LANTRONIX®

PremierWave® XN
Intelligent Gateway
Command Reference

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Revision History

Date	Revision	Comments
February 2012	A	Initial Document. Created for firmware release 7.3.0.0.
October 2014	B	Updated document to firmware release 7.9.0.0.
October 2016	C	Updated document to firmware release 8.0.0.0. ◆ Added the following configuration items to the “dhcp server” configuration group: “ipv6 state”, “start ipv6 address” and “end ipv6 address”. ◆ Added the following configuration items to the “gateway” configuration group: “ipv6” and “router ipv6 address”. ◆ Added the following new configuration groups: “dynamic dns”. ◆ Added the following configuration items to the “interface” configuration group: “ipv6 state”, “ipv6 state”, “ipv6 dhcp”, “ipv6 address”, “ipv6 default gateway”, “ipv6 domain”, “ipv6 primary dns”, and ipv6 secondary dns”. ◆ Added the following configuration items into the “tunnel accept” configuration group: “tcp keep alive idle time”, “tcp keep alive interval”, “tcp keep alive probes”, and “initial send”. ◆ Added the following configuration items into the “tunnel connect” configuration group: “tcp keep alive idle time”, “tcp keep alive interval”, “tcp keep alive probes”, “tcp user timeout”, and “initial send”. ◆ Added the following status items to the “interface” status group”: “ipv6 link local address”, “ipv6 global address”, and “ipv6 default gateway”. ◆ Added the following new status groups: modbus local slave” and “modbus tcp server”.

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1: About This Guide

This guide describes how to configure the Lantronix PremierWave® XN intelligent gateway using the Command Line Interface (CLI) and/or Extensible Markup Language (XML). CLI provides an interactive mode for accessing the device configuration and management interface. It is most suited for system and network administrators comfortable with using similar interfaces on Enterprise IT and Networking products. It is also helpful as a quick tool for access via the product's serial ports or console/management ports.

XML provides an extensible mode for software developers interfacing with the device and system integrators performing batch provisioning/updates.

Chapter Summaries

This table lists and summarizes content of each chapter.

Chapter	Summary
Chapter 2: Overview	Gives an overview of CLI and XML.
Chapter 3: Command Line Interface	Lists commands and describes how to use CLI to configure the PremierWave XN intelligent gateway.
Chapter 4: Configuration Using XML	Lists XCR groups and items and describes how to use XCRs to configure the PremierWave XN intelligent gateway.
Chapter 5: Commands and Levels	Provides an index of the CLI Command Hierarchy with hyperlinks to the corresponding command details.

Conventions

The table below lists and describes the conventions used in this book.

Convention	Description
Bold text	Default parameters.
Italic text	Required values for parameters
Brackets [ ]	Optional parameters.
Angle Brackets < >	Possible values for parameters.
Pipe |	Choice of parameters.
Warning	***Warning:*** ***Means that you are in a situation that could cause equipment damage or bodily injury. Before you work on any equipment, you must be aware of the hazards involved with electrical circuitry and familiar with standard practices for preventing accidents.***
Note	***Note:*** *Means take notice. Notes contain helpful suggestions, information, or references to material not covered in the publication.*
Caution	***Caution:*** ***Means you might do something that could result in faulty equipment operation, or loss of data.***
Screen Font (Courier New)	`CLI terminal sessions and examples of CLI input.`

Additional Documentation

Visit the Lantronix website at www.lantronix.com/support/documentation for the latest documentation and the following additional documentation.

Document	Description
PremierWave XN Intelligent Gateway User Guide	Describes how to configure and use an PremierWave XN intelligent gateway.
Com Port Redirector Quick Start and Online Help	Instructions for using the Lantronix Windows based utility to create virtual com ports.
DeviceInstaller Online Help	Instructions for using the Lantronix Windows based utility to locate an PremierWave XN intelligent gateway and to view its current settings.

2: Overview

The PremierWave XN intelligent gateway supports three convenient configuration methods: Web Manager, Command Line Interface (CLI) and Extensible Markup Language (XML). For more information about the Web Manager, see the *PremierWave XN Intelligent Gateway User Guide* on the Lantronix website.

XML Architecture and Device Control

XML is a fundamental building block for Machine-to-Machine (M2M) and Internet of Things (IoT) networks. The PremierWave XN intelligent gateway supports XML configuration records that make configuring the intelligent gateway easy for users and administrators. XML configuration records are easy to edit with a standard text editor or an XML editor.

For a brief overview of XML, see *Chapter 4: Configuration Using XML*. It provides rules on basic XML syntax, a guide to the specific XML tags used, and a guide to using XML configuration records.

Command Line Interface

Making the edge-to-enterprise vision a reality, the PremierWave XN intelligent gateway uses industry-standard tools for configuration, communication, and control. For example, the PremierWave XN device uses a command line interface (CLI) whose syntax is very similar to that used by data center equipment such as routers and hubs.

For details of the CLI, see *Chapter 5: Commands and Levels*. It provides an index of the CLI Command Hierarchy with links to the corresponding command details. The CLI provides commands for configuring, monitoring, and controlling the intelligent gateway.

3: Command Line Interface

This chapter describes accessing the PremierWave XN intelligent gateway by using Telnet, SSH, or serial ports to configure the device, navigating the Command Line Interface (CLI), typing keyboard shortcuts, and moving between the levels.

It contains the following sections:

- *Configuration Using Telnet*
- *Configuration Using Serial Lines*
- *Navigating the CLI Hierarchy*
- *Using Keyboard Shortcuts and CLI*
- *Understanding the CLI Level Hierarchy*

Refer to *Chapter 5: Commands and Levels* for a complete list of levels, commands, and descriptions.

Configuration Using Telnet

To access and configure the intelligent gateway by using a Telnet session over the network, you must first establish a Telnet connection. You can also establish a Telnet connection by clicking the Telnet Configuration tab in the Lantronix® DeviceInstaller™ utility. See the DeviceInstaller Online Help for more information, available on our website www.lantronix.com/support/downloads.

To access the PremierWave XN intelligent gateway by using Telnet, perform the following steps.

1. Click **Start > Run**. The Run dialog box displays.
2. Type `cmd` in the dialog box and press **OK**.
3. Type `telnet x.x.x.x` (`x.x.x.x` is the IP address) in a Windows/Linux command prompt.
4. The PremierWave XN device is online when the command prompt (>) displays. You are at the root level of the CLI.

Note: *Depending on the level of security, a password may be required.*

Configuration Using Serial Lines

Serial Port Command Line Mode

The serial port can be configured to operate in command mode permanently or to be triggered under specified conditions. See the `line <line> Level` command description for more information.

In order to configure and manage the device, connect the computer via a Serial (RS232) cable to the PremierWave and run a terminal emulation program (e.g., Tera Term). Reference the *PremierWave XN Intelligent Gateway User Guide* for additional information on connecting the serial port prior to configuration.

Boot to CLI and Device Recovery

Serial Recovery mode will temporarily override the line and tunnel settings for the serial line to allow configuration changes to be made. The line and tunnel settings will be restored once the user exits the Serial Recovery mode CLI.

To configure the Lantronix locally using a serial port:

1. Connect a terminal or a PC running a terminal emulation program to one of the module's serial ports.
2. Configure the terminal to the following settings:
   - 9600 baud
   - 8-bit
   - No parity
   - 1 stop bit
   - No flow control.
3. Power off the device.
4. Press and hold down the exclamation point `(!)` key.
5. Power on the device. After about 1 seconds, the exclamation point will display on the terminal or PC screen.
6. Type `xyz` within 5 seconds to display the CLI prompt.

Navigating the CLI Hierarchy

The CLI is organized into a hierarchy of levels. Each level has a group of commands for a specific purpose. For example, to configure a setting for the FTP server, one would navigate to the FTP level, which is under the configuration level.

- To move to a different level—Enter the name of the level from within its parent level. For example, to enter the tunnel level, type `tunnel <number>` at the enable prompt. This displays: `<enable> tunnel <number>#`.
- To exit and return to one level higher—Type `exit` and press the **Enter** key. Typing exit at the login level or the enable level will close the CLI session. If Line - Command Mode is specified as Always, a new session starts immediately.
- To view the current configuration at any level—Type `show`.
- To view the list of commands available at the current level—Type the question mark "`?`". Items within `< >` (e.g. `<string>`) are required parameters.
- To view the available commands and explanations—Type the asterisk (`*`).
- To view the list of commands available for a partial command—Type the partial command followed by the question mark "`?`". For example: `<tunnel-1>#show?` displays a list of all show commands at the tunnel level.
- To view available commands and their explanations for a partial command—Type the partial command followed by the asterisk (`*`). For example: `<tunnel-1>#show*` displays a list of all show commands and descriptions at the tunnel level.
- To view the last 20 commands entered at the CLI—Type `show history`.

Using Keyboard Shortcuts and CLI

One useful shortcut built into the PremierWave XN intelligent gateway is that the complete text of a command does not have to be entered to issue a command. Typing just enough characters to uniquely identify a command, then hitting enter, can be used as a short cut for a command. For example, at the enable level, "`sh`" can be used for the "`show`" command.

Tab Completion is also available using the **Tab** and **Enter** keys on the keyboard. Typing the first few characters of a command, then hitting the **Tab** key displays the first command that begins with those characters. Hitting the **Tab** key again displays the next command that begins with the original characters typed. You can press **Enter** to execute the command or you can backspace to edit any parameters.

The following key combinations are allowed when configuring the intelligent gateway using the CLI:

Table 3-1 Keyboard Shortcuts

Key Combination	Description
Ctrl + a	Places cursor at the beginning of a line
Ctrl + b	Backspaces one character
Ctrl + d	Deletes one character
Ctrl + e	Places cursor at the end of the line
Ctrl + f	Moves cursor forward one character
Ctrl + k	Deletes from the current position to the end of the line
Ctrl + l	Redraws the command line
Ctrl + n	Displays the next line in the history
Ctrl + p	Displays the previous line in the history
Ctrl + u	Deletes entire line and places cursor at start of prompt
Ctrl + w	Deletes one word back
Ctrl + z	Exits the current CLI level
Esc + b	Moves cursor back one word
Esc + f	Moves cursor forward one word

Understanding the CLI Level Hierarchy

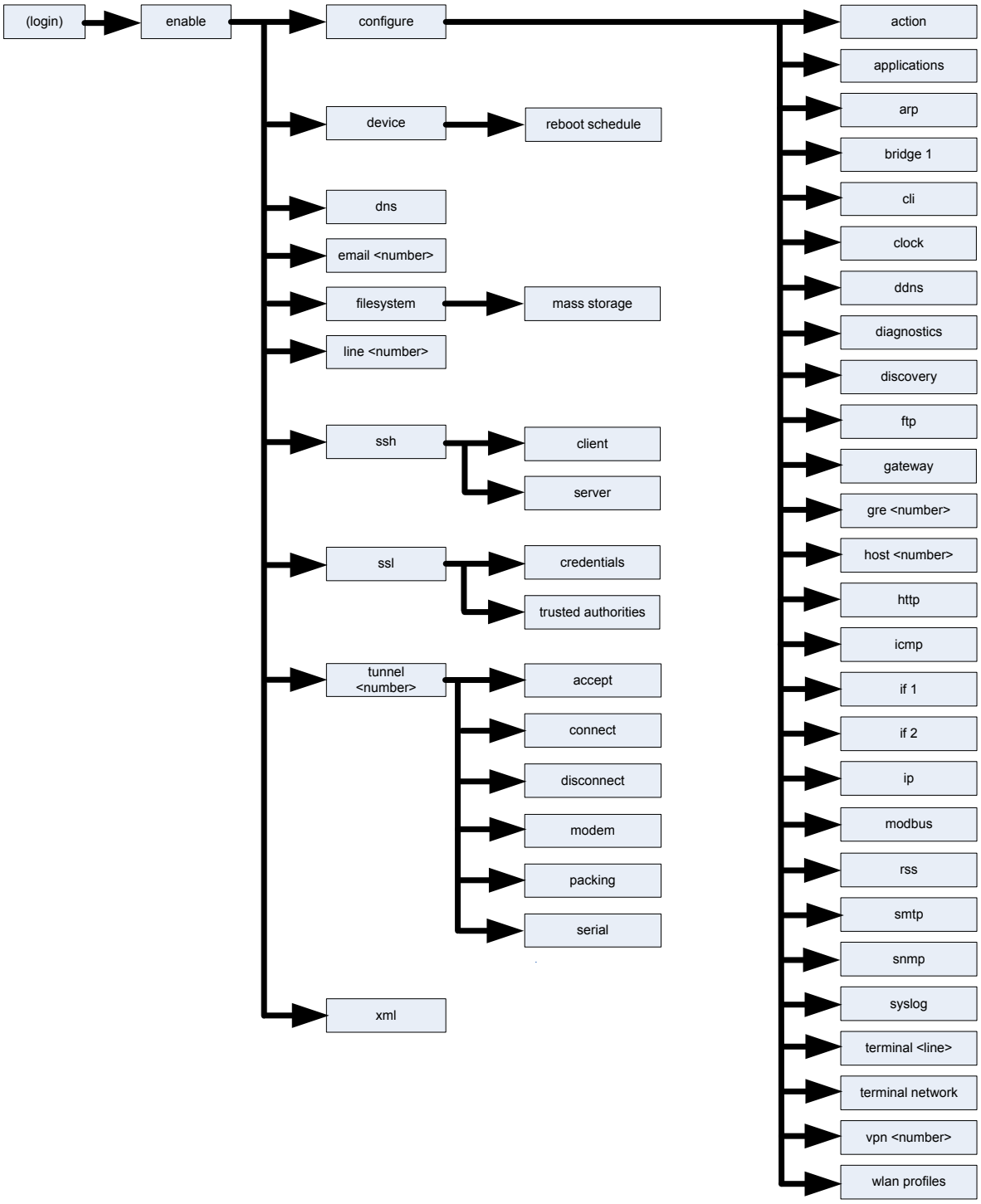
The CLI hierarchy is a series of levels. Arranging commands in a hierarchy of levels provides a way to organize and group similar commands, provide different levels of security, and reduce the complexity and number commands and options presented to a user at one time.

When you start a command line session, you begin at the login level. This level can be password protected and provides access to high level status, a few diagnostic commands, and the enable level. Further device information and configuration are accessed via the enable level.

The enable level can also be password protected and is the gateway to full configuration and management of the intelligent gateway. There are commands for gathering and effecting all elements of device status and configuration, as well as commands that take you to additional levels. For instance, tunnel specific status and configuration is found under the "tunnel" level, and network specific status and configuration commands are found under the "configuration" level.

An overview of the levels in the PremierWave XN intelligent gateway is presented in *Figure 3-2 CLI Level Hierarchy* below.

Figure 3-2 CLI Level Hierarchy



Commands at the login level (see *Figure 3-3 Login Level Commands* below) do not affect current configuration settings and are not displayed initially. If you type `?`, you will see the login sub-commands. These commands provide diagnostic and status information only.

Figure 3-3 Login Level Commands

```
>?
clrscrn                                 exit
iperf <params>                          ping <host>
ping <host> <count>                     ping <host> <count> <timeout>
ping6 <host>                            ping6 <host> <count>
ping6 <host> <count> <timeout>          show
show history                            trace route <host>
trace route <host> <protocol>           enable

>
```

Note: *To configure the PremierWave XN , you must be in the enable level and any of its sub-levels. Figure 3-4 below shows the enable level commands.*

Figure 3-4 Enable Level Commands

```
>enable
enable)#?
auto show interfaces                    auto show processes
clrscrn                                 configure
connect                                 connect line <line>
device                                  disable
dns                                     email <number>
exit                                    filesystem
iperf <params>                          kill ssh <session>
kill telnet <session>                   line <line>
ping <host>                             ping <host> <count>
ping <host> <count> <timeout>           ping6 <host>
ping6 <host> <count>                    ping6 <host> <count> <timeout>
reload                                  reload factory defaults
show                                    show history
show interfaces                         show ip sockets
show processes                          show sessions
ssh                                     ssh <optClientUsername> <host>
ssh <optClientUsername> <host> <port>   ssl
telnet <host>                           telnet <host> <port>
trace route <host>                      trace route <host> <protocol>
tunnel <line>                           write
xml

(enable)#
```

See the *Chapter 5: Commands and Levels* at the end of this document for a complete list of levels, commands, and descriptions.

4: Configuration Using XML

The PremierWave XN intelligent gateway provides an Extensible Markup Language (XML) interface that you can use to configure intelligent gateway devices. Every configuration setting that can be issued from the Web Manager and CLI can be specified using XML.

The intelligent gateway can import and export configuration settings as an XML document known as an XML Configuration Record (XCR). An XCR can be imported or exported via the CLI, a Web browser, FTP, or the intelligent gateway file system. An XCR can contain many configuration settings or just a few. For example, it might change all of the configurable parameters for a intelligent gateway, or it may only change the baud rate for a single serial line. Using XCRs is a straightforward and flexible way to manage the configuration of multiple intelligent gateways.

XML Configuration Record Document Type Definition

An XML document type definition (DTD) is a description of the structure and content of an XML document. It verifies that a document is valid. XCRs are exported using the DTD as shown in *Figure 4-1 DTD for XCRs*.

Figure 4-1 DTD for XCRs

```
<!DOCTYPE configrecord [
<!ELEMENT configrecord (configgroup+)>
<!ELEMENT configgroup (configitem+,configgroup*)>
<!ELEMENT configitem (value+)>
<!ELEMENT value (#PCDATA)>
<!ATTLIST configrecord version CDATA #IMPLIED>
<!ATTLIST configgroup name CDATA #IMPLIED>
<!ATTLIST configgroup instance CDATA #IMPLIED>
<!ATTLIST configitem name CDATA #IMPLIED>
<!ATTLIST value name CDATA #IMPLIED>
]>
```

The PremierWave XN intelligent gateway DTD rules state the following:

- The XML document element is a `<configrecord>` element. This is the root element.
- A `<configrecord>` must have one or more `<configgroup>` elements and can have a version attribute.
- A `<configgroup>` must have one or more `<configitem>` elements and can have name and instance attributes.
- A `<configitem>` element must have one or more <value> elements and can have a name attribute.
- A `<value>` element can have only data and can have a name attribute.
- The name attribute identifies a group, item, or value. It is always a quoted string.
- The instance attribute identifies the specific option, like the serial port number. The "instance" attribute is always a quoted string.

Note:

- *The name for each <configgroup> (specified with the name attribute) is the group name listed in the Web Manager XCR groups or with the "xcr list" CLI command. See the PremierWave XN Intelligent Gateway User Guide for more information about the XCR groups.*
- *An empty or missing <value> element in each present <configgroup> clears the setting to its default.*

Quick Tour of XML Syntax

Declaration

The first line, `<?xml version="1.0" standalone="yes"?>`, is called the XML declaration. It is required and indicates the XML version in use (normally version 1.0). The remainder of the file consists of nested XML elements, some of which have attributes and content.

Element Start and End Tags

An element typically consists of two tags: start tag and an end tag that surrounds text and other elements (element content). The start tag consists of a name surrounded by angle brackets, for example `<configrecord>`. The end tag consists of the same name surrounded by angle brackets, but with a forward slash preceding the name, for example `</configrecord>`. The element content can also contain other "child" elements.

Element Attributes

The XML element attributes that are name-value pairs included in the start tag after the element name. The values must always be quoted, using single or double quotes. Each attribute name should appear only once in an element.

Figure 4-2 shows an XML example which consists of a declaration (first line), nested elements with attributes and content.

Figure 4-2 XML Example

```
<?xml version=”1.0” standalone=”yes”?>
 <configrecord>
   <configgroup name = “serial command mode” instance = “1”>
      <configitem name = “mode serial string”>
         <value>disable</value>
      </configitem>
   </configgroup>
 </configrecord>
```

The PremierWave XN device uses the attributes in the following subsections to label the group configuration settings.

Record, Group, Item, and Value Tags

A <configgroup> is a logical grouping of configuration parameters and must contain one or more <configitem> elements. It must have a name attribute and may have an instance attribute.

A <configitem> is a specific grouping of configuration parameters relevant to its parent group. An item takes the name attribute and must contain one or more value elements. For example, the line group might have parameters such as baud rate, data bits, and parity.

A value may specify the value of a configuration parameter. It may contain the name attribute. In this example, a value of 9600 might be specified for baud rate; 7 may be specified for data bits, and even may be specified for parity.

A name attribute identifies the group, item, or value. It is always quoted (as are all XML attributes). For example, a group that contains serial port parameters has the name "line".

An instance attribute identifies which of several instances is being addressed. It is always quoted. For example, the serial port name (in the line configgroup) has the instance "1" to indicate serial port 1 or "2" to specify serial port 2.

The following figures show examples of XML configuration records and the use of the <configrecord>, <configgroup>, <configitem>, and <value> XML elements.

Figure 4-3 XML Example

```
<?xml version=”1.0” standalone=”yes”?>
 <configrecord>
   <configgroup name = “serial command mode” instance = “1”>
      <configitem name = “mode”>
         <value>disable</value>
      </configitem>
   </configgroup>
 </configrecord>
```

Figure 4-4 XML Example of Multiple Named Values

```
<?xml version="1.0" standalone="yes"?>
   <configgroup name = "ethernet" instance = "eth0">
      <configitem name = "speed">
         <value>Auto</value>
      </configitem>
      <configitem name = "duplex">
         <value>Auto</value>
      </configitem>
   </configgroup>
```

Figure 4-5 XML Example of Multiple Items

```
<configgroup name="ssh server">
      <configitem name="host rsa keys">
        <value name="public key"/>
        <value name="private key"/>
  </configitem>
      <configitem name="host dsa keys">
        <value name="public key"/>
        <value name="private key"/>
  </configitem>
      <configitem name="delete authorized users">
       <value>disable</value>
  </configitem>
      <configitem name="authorized user delete">
       <value name="name"/>
  </configitem>
      <configitem name="authorized user" instance="">
       <value name="password"/>
       <value name="public rsa key"/>
       <value name="public dsa key"/>
  </configitem>
</configgroup>
```

Figure 4-6 XML Example with Multiple Groups

```
<?xml version="1.0" standalone="yes"?>
   <configgroup name = "telnet">
       <configitem name = "state">
           <value>enable</value>
       </configitem>
       <configitem name = "authentication">
           <value>disable</value>
       </configitem>
   </configgroup>
   <configgroup name = "ssh">
       <configitem name = "state">
           <value>enable</value>
       </configitem>
   </configgroup>
```

Importing and Exporting an XML Configuration File

An XCR can be imported or exported using the following methods:

- Filesystem-XCRs can be saved to the intelligent gateway file system and imported or accessed as needed. See *Best Practices on page 19* or the Filesystem Browser section in the *PremierWave XN Intelligent Gateway User Guide.*
- CLI-XCRs can be imported (captured) or exported (dumped) directly to a Telnet, SSH, or serial line CLI session. Capturing an XCR can be started by pasting a valid XCR directly into the CLI prompt. The PremierWave XN intelligent gateway immediately processes the configuration record, changing any settings specified. This can be done on any level, including the root. Special tags in the XML allow for providing root and enable level passwords so that this can also be done at the password prompt.
- Web browser-Web Manager can be used to import and export an XCR to the intelligent gateway file system. It can also be used to import an XCR from an external source such as your local hard drive.
- FTP-The intelligent gateway FTP server can export and import XCRs when an FTP get or put command on the filename (pwxn.xcr for export, pwxn_import.xcr for import; both are under the pwxc directory) is requested. On export (FTP get of pwxn.xcr), the FTP server obtains the current XCR from the PremierWave XN device and sends it as a file. On import (FTP put of pwxn_import.xcr), the FTP server processes the file by sending it directly to the XML engine. In both cases the intelligent gateway filesystem is not accessed. The files pwxn.xcr and pwxn_import.xcr are not read from or written to the file system. See FTP in the *PremierWave XN Intelligent Gateway User Guide*.

Best Practices

You can import or export an entire XCR, or just a portion of it, by specifying the group name and/or group instances. In the examples below, import and export operations are performed from the CLI on the local filesystem and require a XCR on the local filesystem. The Web Manager provides the same functionality.

Caution: ***Using Microsoft Word to edit and save an XCR will change the format of the file and make it incompatible with the PremierWave XN intelligent gateway. This is true even if the file is saved as Plain Text (.txt) or an XML Document (.xml). Notepad, a third party text editor, or a specialized XML editor should be used instead.***

Importing

The following syntax can be used to import configurations from a file:

```
xcr import <file>
xcr import <file> <groups and/or group:instances>
```

The first line imports all groups specified in the XML config record named in <file>. Any filename is valid, and the file name and extension are not important.

In the second line:

- Instance follows group with a colon (see the third example on the next page).
- Multiple groups are separated with a comma.

- Any white space requires the list of groups to be quoted.
- Only the named groups get imported, even if the XCR contains additional XCR groups.

The following syntax can be used to export configurations to a file on the intelligent gateway file system:

```
xcr export <file>
xcr export <file> <groups and/or group:instances>
```

The same guidelines above regarding importing configurations also apply to exporting configurations. If no groups are specified, then the export command will export all configuration settings to the file. If instances are specified after the groups, only those group instances are written. If no instance is specified, all instances of that group are written.

Exporting

The following example exports only the accept mode tunneling settings for line 1 to the file "tunnel_1.xcr" on the intelligent gateway filesystem:

```
xcr export tunnel_1.xcr "tunnel accept:1"
```

The following example exports only the connect mode tunneling settings for all ports to the file "tunnel_all.xcr" on the PremierWave filesystem:

```
xcr export tunnel_all.xcr "tunnel connect"
```

The following example imports only the settings for line 2 from an XCR named "factory_config.xcr" on the intelligent gateway filesystem. If "factory_config.xcr" has other configuration settings, they are ignored:

```
xcr import factory_config.xcr "line:2"
```

The following example imports only line settings for all ports from a configuration record on the filesystem named "foobar.xcr":

```
xcr import foobar.xcr "line"
```

To import only disconnect mode tunnel settings for port 1 and all serial line tunnel settings for port 2 from an XML configuration record named "production.xcr" that contains these settings (and possibly more), issue the following command:

```
xcr import production.xcr "tunnel disconnect:1"
```

The following example imports all tunneling settings and line settings for all serial ports from a file named xcr_file:

```
xcr import xcr_file "tunnel accept, tunnel connect, tunnel
disconnect, tunnel modem, tunnel packing, tunnel serial, tunnel
start, tunnel stop, line"
```

The following example exports only accept mode tunneling settings on serial port 1, and line settings on serial port 2 to a file named tunnel_config_t1_l2.xcr on the intelligent gateway filesystem.

```
xcr export tunnel_config_t1_l2.xcr "tunnel accept:1, line:2"
```

The following example exports connect mode tunneling and line settings for all ports to the file tunnel_config.xcr on the filesystem:

```
xcr export tunnel_config.xcr "tunnel, line"
```

XML Configuration Groups

Table 4-7 lists the PremierWave XN intelligent gateway XCR groups in alphabetical order. This table indicates the various group items, as well as some possible value names and options.

Note: *Any instance of* ***&#60*** *in the table may be read as "less than" and any instance of* ***&#62*** *may be read as "greater than".*

Table 4-7 XCR Groups

Group Name	Group Item	Value Name	Value Options	Additional Information
action	delay			
("Instance" attribute is “device temperature change”, “eth0 link state change”, “on scheduled reboot”, “wlan0 link state change”, “main power change”, or “backup power change”)	email	alarm email	none, email <number>	Default: none
		alarm message		
		alarm reminder interval		Default: none
		normal email	none, email <number>	Default: none
		normal message		
		normal reminder interval		
	ftp put	connection <number> filename		Default: data.txt
		connection <number> host		
		connection <number> password		Default: anonymous@device.com
		connection <number> port		Default: 21
		connection <number> protocol	ftp, ftps	Default: ftp
		connection <number> username		Default: anonymous
		mode	sequential, simultaneous	Default: simultaneous
		reminder interval		Default: none

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
action ("Instance" attribute is “device temperature change”, “eth0 link state change”, “on scheduled reboot”, “wlan0 link state change”, “main power change”, or “backup power change”) (continued)	http post	connection <number> host		
		connection <number> password		
		connection <number> port		Default: 80
		connection <number> protocol	http, https	Default: http
		connection <number> url		
		connection <number> username		
		mode	sequential, simultaneous	Default: simultaneous
		reminder interval		Default: none
	snmp trap	reminder interval		Default: none
		state	enable, disable	Default: disable
		alarm message		
		normal message		
applications	python ("Instance" attribute is a number)	state	enable, disable	
		filename		
		parameters		
		output		
		onstart	enable, disable	
		onshutdown		
arp	arp delete	ip address		Remove an entry from the ARP table. Specify the entry by its IP address.
	arp entry	ip address		
		mac address		
bridge ("Instance" attribute is “br0”)	state		enable, disable	
	bridging mac address			

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
cli	enable level password			Value is SECRET, hidden from user view.
	inactivity timeout			Default: 15 minutes
	line authentication		enable, disable	Default: disable
	login password			Value is SECRET, hidden from user view. Default: PASS
	quit connect line			Accepts text containing control characters, for example, <control>A represents control-A Default: <control>L
clock time and zone	time set	day of month		
		hours		
		minutes		
		month		
		seconds		
		year		
	time zone	offset		
		zone		
clock	synchronization method		manual, sntp, network	default: manual
	ntp	server		
device	firmware version			Read only.
	long name			
	serial number			Read only.
	short name			
dhcp server	state		enable, disable	default: disable
	ipv6 state			
	start ip address			default:192.168.0.20
	start ipv6 address			
	end ip address			default:192.168.0.254
	end ipv6 address			
	lease time			default: 24 hours
	static leases ("Instance" attribute is a number)	mac address		
		ip address		
		ipv6 address		
diagnostics	log	output		
		max length		

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
discovery	state		enable, disable	
	upnp state		enable, disable	
	upnp port			
dynamic dns	state		enable, disable	
	username			
	password			
	hostname			
	interval			
email ("Instance" attribute is a number.)	cc			
	message file			
	priority		urgent, high, normal, low, very low	Default: normal
	reply to			
	subject			
	to			
ethernet ("Instance" attribute is “eth0”.)	duplex		auto, half, full	Default: auto
	speed		auto, 10, 100	Default: auto
ftp server	state		enable, disable	Default: enable

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
gateway	wan	operating mode		
		mac address filter		
		firewall		
		wan interface		
		ipv6		
		router ip address		
		router ipv6 address		
		primary dns		
		secondary dns		
	port forwarding ("Instance" attribute is a number)	state		
		friendly name		
		port or range		
		target port		
		protocol		
		ingress ip address		
		ip address		
	static routes ("Instance" attribute is a number)	state		
		network		
		gateway		
		metric		
		interface		
		friendly name		
gre (“Instance” attribute is a number.)	name			
	state		enable, disable	
	ip address			
	mtu			
	local network			
	remote host			
	remote network			
host ("Instance" attribute is a number.)	name			
	protocol		telnet, ssh	Default: telnet
	ssh username			
	remote address			
	remote port			Default: 0

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
http authentication uri	user delete	name		Deletes an HTTP Authentication URI user. The value element is used to specify the user for deletion.
	realm			
	type			
	user (instance is “admin”)	password		
http server	state		enable, disable	Default: enable
	port			Default: 80
	secure port			Default: 443
	secure protocols		ssl3, tls1.0, tls1.1	May contain zero, one, or more of the values, separated by commas. Default: ssl3, tls1.0, tls1.1
	secure credentials			
	max timeout			Default: 10 seconds
	max bytes			Default: 40960
	logging state		enable, disable	Default: enable
	max log entries			Default: 50
	log format			Default: %h %t "%r" %s %B "%{Referer}i" "%{User-Agent}i"
	authentication timeout			Default: 30 minutes
icmp	state		enable, disable	
input filters	mac filter ("Instance" attribute is a number)	mac address		
		action		

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
interface ("Instance" attribute is “eth0” or “wlan0”)	bootp		enable, disable	Default: disable
	dhcp		enable, disable	Default: enable
	ip address			Accepts an IP address and mask as either: (1) IP address only (192.168.1.1) gets a default mask, (2) CIDR (192.168.1.1/24), or (3) Explicit mask (192.168.1.1 255.255.255.0).
	default gateway			Accepts in IP address in dotted notation, like 192.168.1.1.
	hostname			
	domain			
	dhcp client id			
	primary dns			Accepts in IP address in dotted notation, like 192.168.1.1.
	secondary dns			Accepts in IP address in dotted notation, like 192.168.1.1.
	mtu			Default: 1500 bytes
	priority			
	state			
	ipv4 state			
	ipv6 state			
	ipv6 dhcp			
	ipv6 address			
	ipv6 default gateway			
	ipv6 domain			
	ipv6 primary dns			
	ipv6 secondary dns			
ip	ip time to live			Default: 64 hops
	multicast time to live			Default: 1 hops

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
line ("Instance" attribute is a number.)	name			
	interface		rs232, rs485 half-duplex, rs485 full-duplex, usb-cdc-acm	Default:
	termination		enable, disable	Default: disable
	state		enable, disable	Default: depends on instance
	protocol		none, tunnel	Default:
	baud rate			Default: 9600 bits per second
	parity		even, none, odd	Default: none
	data bits		7, 8	Default: 8
	stop bits		1, 2	Default: 1
	flow control		none, hardware, software	Default: none
	xon char			Accepts a control character, for example, <control>A represents control-A Default: <control>Q
	xoff char			Accepts a control character, for example, <control>A represents control-A Default: <control>S
	gap timer			Default: <None>
	threshold			Default: 56 bytes
modbus	tcp server state		enable, disable	
	additional port			
	response timeout			
	rss	trace input	enable, disable	
network failover ("Instance" attribute is “eth0” or “wlan0”)	state		enable, disable	Default: disable
	hostname			
	method		icmp, tcp	Default: icmp
	timeout			Default: 30 seconds
	interval			Default: 30 seconds
	failover threshold			Default: 5 pings
	failback threshold			Default: 5 pings
	failover interface			

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
qos ("Instance" attribute is “eth0” or “wlan0”)	state		enable, disable	
	import filters		enable, disable	
	uplink data speed			
	filter ("Instance" attribute is a number)	mac address		
		network		
		ports		
		priority		
reboot schedule	state			
	schedule		daily, interval	
	hours			
	minutes			
	interval		hours, days, weeks	
	unit		days	
routing protocols	rip	state	enable, disable	
		version		
		update interval		
		timeout interval		
		gc interval		
	ospf	state	enable, disablef	
		hello interval		
		dead interval		
rss	feed		enable, disable	Default: disable
	persist		enable, disable	Default: disable
	max entries			Default: 100
serial command mode ("Instance" attribute is a number.)	mode		always, serial string, disable	Default: disable
	echo serial string		enable, disable	Default: enable
	serial string			Sets a string that can be entered at boot time to enter command mode. This text may specify binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. Within {} specify decimal milliseconds time delay.

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
serial command mode ("Instance" attribute is a number.) (continued)	signon message			Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. This text may specify binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF.
	wait time			Default: 5000 milliseconds
smtp	from address			
	overriding domain			
	password			
	server address			
	server port			Default: 25
	username			

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
snmp	snmpd	state		
		version		
		read community		
		write community		
		username		
		security		
		authentication protocol		
		authentication password		
		privacy protocol		
		privacy password		
		system contact		
		system name		
		system description		
	system location			
	traps	community		Default: public
		primary destination		
		secondary destination		
		version		
		username		
		security		
		authentication protocol		
		authentication password		
		privacy protocol		
		privacy password		
ssh	state		enable, disable	Default: enable
	port			Default: 22
	max sessions			Default: 3

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
ssh client	delete known hosts		enable, disable	If enabled, deletes any existing hosts before adding "known host".
	known host delete	name		Specify the known host to delete.
	known host	public rsa key		
		public dsa key		
	delete client users		enable, disable	If enabled, deletes any existing client users before adding "client user".
	client user delete	name		Specify the user to delete.
	client user	password		
		remote command		
		public rsa key		
		private rsa key		
		public dsa key		
		private dsa key		
ssh server	host rsa keys	public key		
		private key		
	host dsa keys	public key		
		private key		
	delete authorized users		enable, disable	
	authorized user delete	name		
	authorized user	password		
		public rsa key		
		public dsa key		
ssl	credentials	rsa certificate		
		rsa certificate type		
		rsa private key type		Value is SECRET, hidden from user view.
		dsa certificate		
		dsa private key		Value is SECRET, hidden from user view.
		rsa private key pfx password		
		rsa pfx password		
		rsa private key		
		dsa pfx password		

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
ssl (continued)	credentials (continued)	dsa certificate type		
		dsa private key type		
		dsa private key pfx password		
	trusted authority ("Instance" attribute is a number)	certificate		
		certificate type		
		pfx password		
	intermediate authority ("Instance" attribute is a number)	certificate		
		certificate type		
		pfx password		
	delete all credentials		enable, disable	If enabled, deletes any existing credentials before adding "credentials".
	delete all cas		enable, disable	If enabled, deletes any existing trusted cas before adding "trusted ca".
syslog	state		enable, disable	Default: disable
	host			
	remote port			Default: 514
	severity log level		none, emergency, alert, critical, error, warning, notice, information, debug	Default: none
telnet	state		enable, disable	Default: enable
	port			Default: 23
	max sessions			Default: 3
	authentication		enable, disable	Default: disable
terminal ("Instance" attribute is a number or “network”)	terminal type			Default: UNKNOWN
	login connect menu		enable, disable	Default: disable
	exit connect menu		enable, disable	Default: disable
	send break			Accepts a control character, for example, <control>A represents control-A
	break duration			Default: 500 milliseconds
	echo		enable, disable	Default: enable

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
tunnel accept ("Instance" attribute is a number.)	accept mode		disable, always	Default: always
	start character			Accepts a control character, for example, <control>A represents control-A Default: <control>B
	flush start character		enable, disable	Default: enable
	local port		<Random>,	Default: <Random>
	protocol		tcp, ssh, telnet, tcp aes, ssl	Default: tcp
	credentials			
	tcp keep alive idle time			Default: 45000 milliseconds
	tcp keep alive interval			
	tcp keep alive probes			
	initial send			
	aes encrypt key			Value is SECRET, hidden from user view.
	aes decrypt key			Value is SECRET, hidden from user view.
	flush serial		enable, disable	Default: disable
	block serial		enable, disable	Default: disable
	block network		enable, disable	Default: disable
	password	password		Value is SECRET, hidden from user view.
		prompt	enable, disable	Default: disable
	email connect			Default: <None>
	email disconnect			Default: <None>

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
tunnel connect ("Instance" attribute is a number.)	connect mode		disable, always, any character, start character, modem control asserted, modem emulation	Default: disable
	start character			Accepts a control character, for example, <control>A represents control-A Default: <control>B
	flush start character		enable, disable	Default: enable
	local port		<Random>, ...	Default: <Random>
	host ("Instance" attribute is a number)	address		
		port		Default: <None>
		protocol	tcp, udp, ssh, telnet, tcp aes, udp aes, ssl	Default: tcp
		ssh username		
		credentials		
		validate certificate	enable, disable	Default: enable
		tcp keep alive idle timeout		Default: 45000 milliseconds
		tcp keep alive interval		
		tcp keep alive probes		
		tcp user timeout		
		initial send		
		aes encrypt key		Value is SECRET, hidden from user view.
		aes decrypt key		Value is SECRET, hidden from user view.
	host mode		sequential, simultaneous	Default: sequential
	reconnect time			Default: 15000 milliseconds
	flush serial		enable, disable	Default: disable
	block serial		enable, disable	Default: disable
	block network		enable, disable	Default: disable
	email connect			Default: <None>
	email disconnect			Default: <None>

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
tunnel disconnect ("Instance" attribute is a number.)	stop character			Accepts a control character, for example, <control>A represents control-A
	flush stop character		enable, disable	Default: enable
	modem control		enable, disable	Default: disable
	timeout			Default: 0 milliseconds
	flush serial		enable, disable	Default: disable
tunnel modem ("Instance" attribute is a number.)	echo pluses		enable, disable	Default: disable
	echo commands		enable, disable	Default: enable
	verbose response		enable, disable	Default: enable
	response type		text, numeric	Default: text
	error unknown commands		enable, disable	Default: disable
	incoming connection		disabled, automatic, manual	Default: disabled
	connect string			
	display remote ip		enable, disable	Default: disable
tunnel packing ("Instance" attribute is a number.)	packing mode		disable, timeout, send character	Default: disable
	timeout			Default: 1000 milliseconds
	threshold			Default: 512 bytes
	send character			Accepts a control character, for example, <control>A represents control-A Default: <control> M
	trailing character			Accepts a control character, for example, <control>A represents control-A
tunnel serial ("Instance" attribute is a number.)	dtr		asserted while connected, continuously asserted, unasserted, truport	Default: asserted while connected
virtual ip (“Instance” attribute is a number.)	state		enable, disable	
	name			
	ip address			
	lan ip address			

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
vpn (“Instance” attribute is a number.)	connection name			
	state		enable, disable	
	connection type			
	authentication mode			
	remote peer type			
	mode configuration		enable, disable	
	type			
	interface			
	remote endpoint			
	remote subnet			
	remote id			
	remote next hop			
	local subnet			
	local id			
	local next hop			
	perfect forward secrecy		enable, disable	
	psk			
	local key length			
	remote rsa key			
	remote key			
	username			
	password			
	aggressive mode		enable, disable	
	nat traversal		enable, disable	
	ike encryption			
	ike authentication			
	ike dh group			
	ike life time			
	esp encryption			
	esp authentication			
	esp dh group			
	sa life time			
	unreachable host detection	host		
		ping interval		
		max tries		

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
wlan profile ("Instance" attribute is “AdHoc”, “default_adhoc_profile”, “default_infrastructure_profile”, or “WPA2”.)	profile type			
	interface			
	priority			
	bssid			
	basic	network name		
		topology		
		mode		
		scan dfs channels		
		state	enable, disable	
		channel	enable, disable	
	advanced	tx data rate maximum		
		tx data rate		
		tx power maximum		
		antenna diversity		
		max missed beacons		
		power management	enable, disable	
		power management interval		
	security	suite		
		key type		
		passphrase		
		wep authentication		
		wep key size		
		wep tx key index		
		wep key 1		
		wep key 2		
		wep key 3		
		wep key 4		
		wpax authentication		
		wpax key		
		wpax ieee 802.1x		
		wpax eap-ttls option		
		wpax peap option		
		wpax username		
		wpax password		
		wpax encryption		
		wpax validate certificate		
		wpax credentials		

Group Name (continued)	Group Item	Value Name	Value Options	Additional Information
wlan ("Instance" attribute is “wlan0”)	choice ("Instance" attribute is a number)			
	out of range scan interval			
	roaming		enable, disable	
	rssi delta			
	debugging level		dump, debug, info, warning, error	
	active channel scan time			
	passive channel scan time			
	radio band selection		dual, 2.4 GHz only, 5 GHz only	
	wlan watchdog		enable, disable	
xml import control	restore factory configuration		enable, disable	
	delete http authentication uris		enable, disable	Deletes existing HTTP authentication URIs before importing new ones.
	http authentication uri delete	name		Deletes the specified HTTP authentication URI.
	reboot		enable, disable	Reboots after importing.

XML Status Record Groups and Items

Table 4-8 lists the supported XML Status Record (XSR) groups and items. These groups and items show the status of the device in XML form and can only be exported. The XSR schema differs slightly from the XCR groups and items in that the XSR allows groups within groups.

Note: *The Valid Values column of Table 4-8 indicates the default value.*

Table 4-8 XSR Group and Items

Group Name	Item Name	Value Name	Valid Values
action ("Instance" attribute is “backup power change”, “device temperature change”, “eth0 link state change”, “main power change”, “on scheduled reboot” or “wlan0 link state change”)	duration	elapsed time in format days hh:mm:ss	
	alarm state	on or off	
	transitions	decimal number	
arp	arp entry	ip address	ip address in format nnn.nnn.nnn.nnn
		mac address	mac address in format xx:xx:xx:xx:xx:xx
		type	dynamic or static
		interface	eth0 or wlan0
bridge	enable state		
	active state		
clock	time		real time clock time in format hh:mm:ss <timezone>
	date		real time clock date in format dayofweek day month year
	timezone	zone	
		offset	
device	product info	product type	Lantronix
		serial number	12 hex digits
		firmware version	string in version format like 7.3.0.1R7
		uptime	elapsed time in format d days hh:mm:ss
		permanent config	saved or unsaved
		region	
email ("Instance" attribute is "<decimal>")	success	sent	decimal number
		sent with retries	decimal number
	failed		decimal number
	queued		decimal number

Group Name (continued)	Item Name	Value Name	Valid Values
email log ("Instance" attribute is "<decimal>")	entry	time	timestamp in format d days hh:mm:ss
		log	string
failover ("Instance" attribute is “eth0” or “wlan0”)	state		
	transition		
hardware	cpu	speed	string
		type	string
	memory	flash size	decimal number
		ram size	decimal number
http	state		
	logging	entries	
		bytes	
http log	totals	entries	decimal number
		bytes	decimal number
	entry ("Instance" attribute is "<decimal>" or number)		String
icmp	snmp	InMsgs	decimal number
		InErrors	decimal number
		InDestUnreachs	decimal number
		InTimeExcds	decimal number
		InParmProbs	decimal number
		InSrcQuenchs	decimal number
		InRedirects	decimal number
		InEchos	decimal number
		InEchoReps	decimal number
		InTimestamps	decimal number
		InTimestampReps	decimal number
		InAddrMasks	decimal number
		InAddrMaskReps	decimal number
		OutMsgs	decimal number
		OutErrors	decimal number
		OutDestUnreachs	decimal number
		OutTimeExcds	decimal number
		OutParmProbs	decimal number
		OutSrcQuenchs	decimal number
		OutRedirects	decimal number
		OutEchos	decimal number
		OutEchoReps	decimal number
		OutTimestamps	decimal number
		OutTimestampReps	decimal number
		OutAddrMasks	decimal number
		OutAddrMaskReps	decimal number

Group Name (continued)	Item Name	Value Name	Valid Values
interface ("Instance" attribute is "eth0" or “wlan0”)	default gateway	status	dotted notation
	ip address		dotted notation
	ipv6 link local address		
	ipv6 global address		
	ipv6 global address		
	ipv6 default gateway		
	ipv6 default gateway		
	generic	status	Link up
	network mask		dotted notation
	receive	bytes	decimal number
		packets	decimal number
		errs	decimal number
		drop	decimal number
		fifo	decimal number
		frame	decimal number
		compressed	decimal number
		multicast	decimal number
	transmit	bytes	decimal number
		packets	decimal number
		errs	decimal number
		drop	decimal number
		fifo	decimal number
		colls	decimal number
		carrier	decimal number
		compressed	decimal number

Group Name (continued)	Item Name	Value Name	Valid Values
ip	snmp	Forwarding	decimal number
		DefaultTTL	decimal number
		InReceives	decimal number
		InHdrErrors	decimal number
		InAddrErrors	decimal number
		ForwDatagrams	decimal number
		InUnknownProtos	decimal number
		InDiscards	decimal number
		InDelivers	decimal number
		OutRequests	decimal number
		OutDiscards	decimal number
		OutNoRoutes	decimal number
		ReasmTimeout	decimal number
		ReasmReqds	decimal number
		ReasmOKs	decimal number
		ReasmFails	decimal number
		FragOKs	decimal number
		FragFails	decimal number
		FragCreates	decimal number
	netstat	InNoRoutes	decimal number
		InTruncatedPkts	decimal number
		InMcastPkts	decimal number
		OutMcastPkts	decimal number
		InBcastPkts	decimal number
		OutBcastPkts	decimal number
		InOctets	decimal number
		OutOctets	decimal number
		InMcastOctets	decimal number
		OutMcastOctets	decimal number
		InBcastOctets	decimal number
		OutBcastOctets	decimal number
ip sockets	ip socket	protocol	tcp or udp
		rx queue	decimal number
		tx queue	decimal number
		local address	ip address in format nnn.nnn.nnn.nnn
		local port	decimal number
		remote address	ip address in format nnn.nnn.nnn.nnn
		remote port	decimal number or *

Group Name (continued)	Item Name	Value Name	Valid Values
ip sockets (continued)		state	LISTEN, SYN_RECVD, SYN_SENT, ESTABLISHED, CLOSE_WAIT, LAST_ACK, FIN_WAIT_1, FIN_WAIT_2, CLOSING, or TIME_WAIT.
line ("Instance" attribute is "<decimal>")	receiver	bytes	decimal number
		breaks	decimal number
		parity errors	decimal number
		framing errors	decimal number
		overrun errors	decimal number
		no receive buffer errors	decimal number
		queued bytes	decimal number
		flow control	go, stop, or n/a
	transmitter	bytes	decimal number
		breaks	decimal number
		queued bytes	decimal number
		flow control	go, stop, or n/a
	line levels	cts input	asserted or not asserted
		rts output	asserted or not asserted
		dsr input	asserted or not asserted
		dtr output	asserted or not asserted
line (group nested within line above)	state		enable or disable
	protocol		Tunnel or None.
	baud rate		<decimal> bits per second
	parity		None, Odd, or Even
	data bits		7 or 8
	stop bits		1 or 2
	flow control		None, Hardware, or Software
	xon char		of form <control>Q
	xoff char		of form <control>S
memory	main heap	total memory	decimal number of bytes
		available memory	decimal number of bytes
modbus local slave	totals	pdus in	
		pdus out	
		exceptions	

Group Name (continued)	Item Name	Value Name	Valid Values
modbus tcp server ("Instance" attribute is either “additional” or “permanent”	state		
	local port		
	totals	uptime	
		pdus in	
		pdus out	
		connections	
	last connection	local ip address	
		local port	
		remote ip address	
		remote port	
processes	process ("Instance" attribute is "<decimal>")	stack used	decimal number
		stack size	decimal number
		cpu %	decimal number
		thread name	String
qos ("Instance" attribute is either “eth0” or “wlan0”			
query port	last connection	ip address	ip address in format nnn.nnn.nnn.nnn
		port	decimal number
	in	discoveries	decimal number
		unknown queries	decimal number
		erroneous packets	decimal number
	out	discovery replies	decimal number
		errors	decimal number
	status	enabled, disabled	
rss	url		string in the form of a web url
	data	entries	decimal number
		bytes	decimal number
sessions	line ("Instance" attribute is "<number>")	local port	
		remote ip address	
		remote port	
		duration	

Group Name (continued)	Item Name	Value Name	Valid Values
tcp	snmp	RtoAlgorithm	decimal number
		RtoMin	decimal number
		RtoMax	decimal number
		MaxConn	decimal number
		ActiveOpens	decimal number
		PassiveOpens	decimal number
		AttemptFails	decimal number
		EstabResets	decimal number
		CurrEstab	decimal number
		InSegs	decimal number
		OutSegs	decimal number
		RetransSegs	decimal number
		InErrs	decimal number
		OutRsts	decimal number
	netstat	SyncookiesSent	decimal number
		SyncookiesRecv	decimal number
		SyncookiesFailed	decimal number
		EmbryonicRsts	decimal number
		PruneCalled	decimal number
		RcvPruned	decimal number
		OfoPruned	decimal number
		OutOfWindowIcmps	decimal number
		LockDroppedIcmps	decimal number
		ArpFilter	decimal number
		TW	decimal number
		TWRecycled	decimal number
		TWKilled	decimal number
		PAWSPassive	decimal number
		PAWSActive	decimal number
		PAWSEstab	decimal number
		DelayedACKs	decimal number
		DelayedACKLocked	decimal number
		DelayedACKLost	decimal number
		ListenOverflows	decimal number
		ListenDrops	decimal number
		TCPPrequeued	decimal number
		TCPDirectCopyFromBacklog	decimal number
		TCPDirectCopyFromPrequeue	decimal number
		TCPPrequeueDropped	decimal number
		TCPHPHits	decimal number

Group Name (continued)	Item Name	Value Name	Valid Values
tcp (continued)	netstat (continued)	TCPHPHitsToUser	decimal number
		TCPPureAcks	decimal number
		TCPHPAcks	decimal number
		TCPRenoRecovery	decimal number
		TCPSackRecovery	decimal number
		TCPSACKReneging	decimal number
		TCPFACKReorder	decimal number
		TCPSACKReorder	decimal number
		TCPRenoReorder	decimal number
		TCPTSReorder	decimal number
		TCPFullUndo	decimal number
		TCPPartialUndo	decimal number
		TCPDSACKUndo	decimal number
		TCPLossUndo	decimal number
		TCPLoss	decimal number
		TCPLostRetransmit	decimal number
		TCPRenoFailures	decimal number
		TCPSackFailures	decimal number
		TCPLossFailures	decimal number
		TCPFastRetrans	decimal number
		TCPForwardRetrans	decimal number
		TCPSlowStartRetrans	decimal number
		TCPTimeouts	decimal number
		TCPRenoRecoveryFail	decimal number
		TCPSackRecoveryFail	decimal number
		TCPSchedulerFailed	decimal number
		TCPRcvCollapsed	decimal number
		TCPDSACKOldSent	decimal number
		TCPDSACKOfoSent	decimal number
		TCPDSACKRecv	decimal number
		TCPDSACKOfoRecv	decimal number
		TCPAbortOnSyn	decimal number
		TCPAbortOnData	decimal number
		TCPAbortOnClose	decimal number
		TCPAbortOnMemory	decimal number
		TCPAbortOnTimeout	decimal number
		TCPAbortOnLinger	decimal number
		TCPAbortFailed	decimal number
		TCPMemoryPressures	decimal number
		TCPSACKDiscard	decimal number
		TCPDSACKIgnoredOld	decimal number
		TCPDSACKIgnoredNoUndo	decimal number

Group Name (continued)	Item Name	Value Name	Valid Values
tcp (continued)	netstat (continued)	TCPSpuriousRTOs	decimal number
		TCPMD5NotFound	decimal number
		TCPMD5Unexpected	decimal number
		TCPSackShifted	decimal number
		TCPSackMerged	decimal number
		TCPSackShiftFallback	decimal number
		TCPBacklogDrop	decimal number
		TCPMinTTLDrop	decimal number
		TCPDeferAcceptDrop	decimal number
		IPReversePathFilter	decimal number
		TCPTimeWaitOverflow	decimal number
tunnel ("Instance" attribute is a number.)	aggregate	completed connects	decimal number
		completed accepts	decimal number
		disconnects	decimal number
		dropped connects	decimal number
		dropped accepts	decimal number
		octets from serial	decimal number
		octets from network	decimal number
		connect 0 connection time	elapsed time in format d days hh:mm:ss
		connect 1 connection time	elapsed time in format d days hh:mm:ss
		connect 2 connection time	elapsed time in format d days hh:mm:ss
		connect 3 connection time	elapsed time in format d days hh:mm:ss
		connect 4 connection time	elapsed time in format d days hh:mm:ss
		connect 5 connection time	elapsed time in format d days hh:mm:ss
		connect 6 connection time	elapsed time in format d days hh:mm:ss
		connect 7 connection time	elapsed time in format d days hh:mm:ss
		connect 8 connection time	elapsed time in format d days hh:mm:ss
		connect 9 connection time	elapsed time in format d days hh:mm:ss
		connect 10 connection time	elapsed time in format d days hh:mm:ss
		connect 11 connection time	elapsed time in format d days hh:mm:ss
		connect 12 connection time	elapsed time in format d days hh:mm:ss

Group Name (continued)	Item Name	Value Name	Valid Values
tunnel ("Instance" attribute is a number.) (continued)	aggregate (continued)	connect 13 connection time	elapsed time in format d days hh:mm:ss
		connect 14 connection time	elapsed time in format d days hh:mm:ss
		connect 15 connection time	elapsed time in format d days hh:mm:ss
		accept connection time	elapsed time in format d days hh:mm:ss
		connect dns address changes	decimal number
		connect dns address invalids	decimal number
tunnel modem	echo commands	enable, disable	
	verbose response	enable, disable	
	response type		
	error unknown commands	enable, disable	
	incoming connection		
udp	snmp	InDatagrams	decimal number
		NoPorts	decimal number
		InErrors	decimal number
		OutDatagrams	decimal number
		RcvbufErrors	decimal number
		SndbufErrors	decimal number
wlan scan	network name ("Instance" attribute is user-defined.)	bssid	
		channel	
		rssi	
		topology	
wlan status	state		
	bssid		
	network name		
	profile		
	pairwise cipher		
	group cipher		
	key management		
	rssi		
	radio firmware version		
xsr	out	bytes	decimal number
		lines	decimal number
		elements	decimal number
	errors		decimal number

5: Commands and Levels

Click the level in the tree structure and it will take you to the command list for that level.

root

- enable (enable)
  - configure (config)
    - action (config-action-select)
      - backup power change (config-action:backup power change)
        - email (config-action-email:backup power change)
        - ftp put (config-action-ftp_put:backup power change)
          - connection 1 (config-action-ftp_put-connection:backup power change:1)
          - connection 2 (config-action-ftp_put-connection:backup power change:2)
        - http post (config-action-http_post:backup power change)
          - connection 1 (config-action-http_post-connection:backup power change:1)
          - connection 2 (config-action-http_post-connection:backup power change:2)
        - snmp trap (config-action-snmp_trap:backup power change)
      - device temperature change (config-action:device temperature change)
        - email (config-action-email:device temperature change)
        - ftp put (config-action-ftp_put:device temperature change)
          - connection 1 (config-action-ftp_put-connection:device temperature change:1)
          - connection 2 (config-action-ftp_put-connection:device temperature change:2)
        - http post (config-action-http_post:device temperature change)
          - connection 1 (config-action-http_post-connection:device temperature change:1)
          - connection 2 (config-action-http_post-connection:device temperature change:2)
        - snmp trap (config-action-snmp_trap:device temperature change)
      - eth0 link state change (config-action:eth0 link state change)
        - email (config-action-email:eth0 link state change)
        - ftp put (config-action-ftp_put:eth0 link state change)
          - connection 1 (config-action-ftp_put-connection:eth0 link state change:1)
          - connection 2 (config-action-ftp_put-connection:eth0 link state change:2)
        - http post (config-action-http_post:eth0 link state change)
          - connection 1 (config-action-http_post-connection:eth0 link state change:1)
          - connection 2 (config-action-http_post-connection:eth0 link state change:2)
        - snmp trap (config-action-snmp_trap:eth0 link state change)

- main power change (config-action:main power change)
  - email (config-action-email:main power change)
  - ftp put (config-action-ftp_put:main power change)
    - connection 1 (config-action-ftp_put-connection:main power change:1)
    - connection 2 (config-action-ftp_put-connection:main power change:2)
  - http post (config-action-http_post:main power change)
    - connection 1 (config-action-http_post-connection:main power change:1)
    - connection 2 (config-action-http_post-connection:main power change:2)
  - snmp trap (config-action-snmp_trap:main power change)
- on scheduled reboot (config-action:on scheduled reboot)
  - email (config-action-email:on scheduled reboot)
  - ftp put (config-action-ftp_put:on scheduled reboot)
    - connection 1 (config-action-ftp_put-connection:on scheduled reboot:1)
    - connection 2 (config-action-ftp_put-connection:on scheduled reboot:2)
  - http post (config-action-http_post:on scheduled reboot)
    - connection 1 (config-action-http_post-connection:on scheduled reboot:1)
    - connection 2 (config-action-http_post-connection:on scheduled reboot:2)
  - snmp trap (config-action-snmp_trap:on scheduled reboot)
- wlan0 link state change (config-action:wlan0 link state change)
  - email (config-action-email:wlan0 link state change)
  - ftp put (config-action-ftp_put:wlan0 link state change)
    - connection 1 (config-action-ftp_put-connection:wlan0 link state change:1)
    - connection 2 (config-action-ftp_put-connection:wlan0 link state change:2)
  - http post (config-action-http_post:wlan0 link state change)
    - connection 1 (config-action-http_post-connection:wlan0 link state change:1)
    - connection 2 (config-action-http_post-connection:wlan0 link state change:2)
  - snmp trap (config-action-snmp_trap:wlan0 link state change)
- applications (config-applications)
  - python 1 (config-applications-python:1)
  - python 2 (config-applications-python:2)
  - python 3 (config-applications-python:3)
  - python 4 (config-applications-python:4)
- arp (config-arp)
- bridge 1 (config-bridge:br0)
- cli (config-cli)
  - ssh (config-cli-ssh)

- telnet (config-cli-telnet)
- clock (config-clock)
  - ntp (config-clock-ntp)
- ddns (config-ddns)
- diagnostics (config-diagnostics)
  - log (config-diagnostics-log)
- discovery (config-discovery)
- ftp (config-ftp)
- gateway (config-gateway)
  - dhcpserver (config-dhcpd)
    - static leases 1 (config-dhcpd-static_leases:1)
    - static leases 2 (config-dhcpd-static_leases:2)
    - static leases 3 (config-dhcpd-static_leases:3)
    - static leases 4 (config-dhcpd-static_leases:4)
    - static leases 5 (config-dhcpd-static_leases:5)
    - static leases 6 (config-dhcpd-static_leases:6)
    - static leases 7 (config-dhcpd-static_leases:7)
    - static leases 8 (config-dhcpd-static_leases:8)
  - mac address filter 1 (config-mac_filter:1)
  - mac address filter 2 (config-mac_filter:2)
  - mac address filter 3 (config-mac_filter:3)
  - mac address filter 4 (config-mac_filter:4)
  - mac address filter 5 (config-mac_filter:5)
  - mac address filter 6 (config-mac_filter:6)
  - mac address filter 7 (config-mac_filter:7)
  - mac address filter 8 (config-mac_filter:8)
  - port forwarding rule 1 (config-portforwarding:1)
  - port forwarding rule 2 (config-portforwarding:2)
  - port forwarding rule 3 (config-portforwarding:3)
  - port forwarding rule 4 (config-portforwarding:4)
  - port forwarding rule 5 (config-portforwarding:5)
  - port forwarding rule 6 (config-portforwarding:6)
  - port forwarding rule 7 (config-portforwarding:7)
  - port forwarding rule 8 (config-portforwarding:8)
  - static route 1 (config-staticroute:1)
  - static route 2 (config-staticroute:2)
  - static route 3 (config-staticroute:3)
  - static route 4 (config-staticroute:4)
  - static route 5 (config-staticroute:5)
  - static route 6 (config-staticroute:6)
  - static route 7 (config-staticroute:7)
  - static route 8 (config-staticroute:8)
  - virtual ip 1 (config-virtual-interface:1)
  - virtual ip 2 (config-virtual-interface:2)
  - virtual ip 3 (config-virtual-interface:3)
- gre 1 (config-gre:1)
- host 1 (config-host:1)
- host 2 (config-host:2)
- host 3 (config-host:3)

- host 4 (config-host:4)
- host 5 (config-host:5)
- host 6 (config-host:6)
- host 7 (config-host:7)
- host 8 (config-host:8)
- host 9 (config-host:9)
- host 10 (config-host:10)
- host 11 (config-host:11)
- host 12 (config-host:12)
- host 13 (config-host:13)
- host 14 (config-host:14)
- host 15 (config-host:15)
- host 16 (config-host:16)
- host 17 (config-host:17)
- host 18 (config-host:18)
- host 19 (config-host:19)
- host 20 (config-host:20)
- host 21 (config-host:21)
- host 22 (config-host:22)
- host 23 (config-host:23)
- host 24 (config-host:24)
- host 25 (config-host:25)
- host 26 (config-host:26)
- host 27 (config-host:27)
- host 28 (config-host:28)
- host 29 (config-host:29)
- host 30 (config-host:30)
- host 31 (config-host:31)
- host 32 (config-host:32)
- http (config-http)
- icmp (config-icmp)
- if 1 (config-if:eth0)
    - failover (config-ethernet-failover:eth0)
    - link (config-ethernet:eth0)
    - qos (config-ethernet-qos:eth0)
        - filter 1 (config-ethernet-qos-filter:eth0:1)
        - filter 2 (config-ethernet-qos-filter:eth0:2)
        - filter 3 (config-ethernet-qos-filter:eth0:3)
        - filter 4 (config-ethernet-qos-filter:eth0:4)
        - filter 5 (config-ethernet-qos-filter:eth0:5)
        - filter 6 (config-ethernet-qos-filter:eth0:6)
        - filter 7 (config-ethernet-qos-filter:eth0:7)
        - filter 8 (config-ethernet-qos-filter:eth0:8)
        - filter 9 (config-ethernet-qos-filter:eth0:9)
        - filter 10 (config-ethernet-qos-filter:eth0:10)
        - filter 11 (config-ethernet-qos-filter:eth0:11)
        - filter 12 (config-ethernet-qos-filter:eth0:12)
        - filter 13 (config-ethernet-qos-filter:eth0:13)
        - filter 14 (config-ethernet-qos-filter:eth0:14)

- filter 15 (config-ethernet-qos-filter:eth0:15)
- filter 16 (config-ethernet-qos-filter:eth0:16)
- filter 17 (config-ethernet-qos-filter:eth0:17)
- filter 18 (config-ethernet-qos-filter:eth0:18)
- filter 19 (config-ethernet-qos-filter:eth0:19)
- filter 20 (config-ethernet-qos-filter:eth0:20)
- filter 21 (config-ethernet-qos-filter:eth0:21)
- filter 22 (config-ethernet-qos-filter:eth0:22)
- filter 23 (config-ethernet-qos-filter:eth0:23)
- filter 24 (config-ethernet-qos-filter:eth0:24)
- filter 25 (config-ethernet-qos-filter:eth0:25)
- filter 26 (config-ethernet-qos-filter:eth0:26)
- filter 27 (config-ethernet-qos-filter:eth0:27)
- filter 28 (config-ethernet-qos-filter:eth0:28)
- filter 29 (config-ethernet-qos-filter:eth0:29)
- filter 30 (config-ethernet-qos-filter:eth0:30)
- filter 31 (config-ethernet-qos-filter:eth0:31)
- filter 32 (config-ethernet-qos-filter:eth0:32)

- if 2 (config-if:wlan0)
  - failover (config-wlan-failover:wlan0)
  - link (config-wlan:wlan0)
    - choice 1 (config-wlan-choice:wlan0:1)
    - choice 2 (config-wlan-choice:wlan0:2)
    - choice 3 (config-wlan-choice:wlan0:3)
    - choice 4 (config-wlan-choice:wlan0:4)
  - qos (config-wlan-qos:wlan0)
    - filter 1 (config-wlan-qos-filter:wlan0:1)
    - filter 2 (config-wlan-qos-filter:wlan0:2)
    - filter 3 (config-wlan-qos-filter:wlan0:3)
    - filter 4 (config-wlan-qos-filter:wlan0:4)
    - filter 5 (config-wlan-qos-filter:wlan0:5)
    - filter 6 (config-wlan-qos-filter:wlan0:6)
    - filter 7 (config-wlan-qos-filter:wlan0:7)
    - filter 8 (config-wlan-qos-filter:wlan0:8)
    - filter 9 (config-wlan-qos-filter:wlan0:9)
    - filter 10 (config-wlan-qos-filter:wlan0:10)
    - filter 11 (config-wlan-qos-filter:wlan0:11)
    - filter 12 (config-wlan-qos-filter:wlan0:12)
    - filter 13 (config-wlan-qos-filter:wlan0:13)
    - filter 14 (config-wlan-qos-filter:wlan0:14)
    - filter 15 (config-wlan-qos-filter:wlan0:15)
    - filter 16 (config-wlan-qos-filter:wlan0:16)
    - filter 17 (config-wlan-qos-filter:wlan0:17)
    - filter 18 (config-wlan-qos-filter:wlan0:18)
    - filter 19 (config-wlan-qos-filter:wlan0:19)
    - filter 20 (config-wlan-qos-filter:wlan0:20)
    - filter 21 (config-wlan-qos-filter:wlan0:21)
    - filter 22 (config-wlan-qos-filter:wlan0:22)
    - filter 23 (config-wlan-qos-filter:wlan0:23)

- filter 24 (config-wlan-qos-filter:wlan0:24)
- filter 25 (config-wlan-qos-filter:wlan0:25)
- filter 26 (config-wlan-qos-filter:wlan0:26)
- filter 27 (config-wlan-qos-filter:wlan0:27)
- filter 28 (config-wlan-qos-filter:wlan0:28)
- filter 29 (config-wlan-qos-filter:wlan0:29)
- filter 30 (config-wlan-qos-filter:wlan0:30)
- filter 31 (config-wlan-qos-filter:wlan0:31)
- filter 32 (config-wlan-qos-filter:wlan0:32)

- ip (config-ip)
- modbus (modbus)
  - rss (modbus-rss)
- rss (config-rss)
- smtp (config-smtp)
- snmp (config-snmp)
  - snmpd (config-snmp-snmpd)
  - traps (config-snmp-traps)
- syslog (config-syslog)
- terminal 1 (config-terminal:1)
- terminal 2 (config-terminal:2)
- terminal network (config-terminal:network)
- vpn 1 (config-vpn:1)
  - unreachable host detection (config-vpn-unreachable_host_detection:1)
- wlan profiles (config-profiles)
  - edit 1 (config-profile-basic:default_adhoc_profile)
    - advanced (config-profile-advanced:default_adhoc_profile)
      - security (config-profile-security:default_adhoc_profile)
        - wep (config-profile-security-wep:default_adhoc_profile)
          - key 1 (config-profile-security-wep-key:default_adhoc_profile:1)
          - key 2 (config-profile-security-wep-key:default_adhoc_profile:2)
          - key 3 (config-profile-security-wep-key:default_adhoc_profile:3)
          - key 4 (config-profile-security-wep-key:default_adhoc_profile:4)
        - wpax (config-profile-security-wpax:default_adhoc_profile)

- device (device)
  - reboot schedule (device-reboot-schedule)
- dns (dns)
- email 1 (email:1)

- email 2 (email:2)
- email 3 (email:3)
- email 4 (email:4)
- email 5 (email:5)
- email 6 (email:6)
- email 7 (email:7)
- email 8 (email:8)
- email 9 (email:9)
- email 10 (email:10)
- email 11 (email:11)
- email 12 (email:12)
- email 13 (email:13)
- email 14 (email:14)
- email 15 (email:15)
- email 16 (email:16)
- filesystem (filesystem)
  - mass storage (filesystem-mass_storage)
- line 1 (line:1)
- line 2 (line:2)
- ssh (ssh)
  - client (ssh-client)
  - server (ssh-server)
- ssl (ssl)
  - credentials (ssl-credentials)
  - trusted authorities (ssl-auth)
- tunnel 1 (tunnel:1)
  - accept (tunnel-accept:1)
    - password (tunnel-accept-password:1)
  - connect (tunnel-connect:1)
    - host 1 (tunnel-connect-host:1:1)
    - host 2 (tunnel-connect-host:1:2)
    - host 3 (tunnel-connect-host:1:3)
    - host 4 (tunnel-connect-host:1:4)
    - host 5 (tunnel-connect-host:1:5)
    - host 6 (tunnel-connect-host:1:6)
    - host 7 (tunnel-connect-host:1:7)
    - host 8 (tunnel-connect-host:1:8)
    - host 9 (tunnel-connect-host:1:9)
    - host 10 (tunnel-connect-host:1:10)
    - host 11 (tunnel-connect-host:1:11)
    - host 12 (tunnel-connect-host:1:12)
    - host 13 (tunnel-connect-host:1:13)
    - host 14 (tunnel-connect-host:1:14)
    - host 15 (tunnel-connect-host:1:15)
    - host 16 (tunnel-connect-host:1:16)
  - disconnect (tunnel-disconnect:1)
  - modem (tunnel-modem:1)
  - packing (tunnel-packing:1)
  - serial (tunnel-serial:1)

- tunnel 2 (tunnel:2)
  - accept (tunnel-accept:2)
    - password (tunnel-accept-password:2)
  - connect (tunnel-connect:2)
    - host 1 (tunnel-connect-host:2:1)
    - host 2 (tunnel-connect-host:2:2)
    - host 3 (tunnel-connect-host:2:3)
    - host 4 (tunnel-connect-host:2:4)
    - host 5 (tunnel-connect-host:2:5)
    - host 6 (tunnel-connect-host:2:6)
    - host 7 (tunnel-connect-host:2:7)
    - host 8 (tunnel-connect-host:2:8)
    - host 9 (tunnel-connect-host:2:9)
    - host 10 (tunnel-connect-host:2:10)
    - host 11 (tunnel-connect-host:2:11)
    - host 12 (tunnel-connect-host:2:12)
    - host 13 (tunnel-connect-host:2:13)
    - host 14 (tunnel-connect-host:2:14)
    - host 15 (tunnel-connect-host:2:15)
    - host 16 (tunnel-connect-host:2:16)
  - disconnect (tunnel-disconnect:2)
  - modem (tunnel-modem:2)
  - packing (tunnel-packing:2)
  - serial (tunnel-serial:2)
- xml (xml)

Table 5-1 Commands and Levels

accept (tunnel-accept:2) level commands	
accept mode always	Enables the tunneling server to always accept tunneling connections.
accept mode any character	Enables the tunneling server to accept tunneling connections only when a character is received through the corresponding line (serial port).
accept mode disable	Disables accept mode tunneling.
accept mode modem control asserted	Enables the tunneling server to accept tunneling connections when the modem control pin is asserted.
accept mode modem emulation	Enables modem emulation for accept mode tunneling.
accept mode start character	Enables accept mode tunneling when the configured start character is received on the line.
aes decrypt key <*hexadecimal*>	Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
block network disable	Forwards (tunnels) network data in accept mode tunneling.
block network enable	Discards all data coming in from the accept mode tunnel before forwarding it to the serial interface (generally used for debugging).
block serial disable	Forwards (tunnels) serial data in accept mode tunneling.
block serial enable	Discards all data coming in from the serial interface before forwarding it to the accept mode tunnel (generally used for debugging).
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL server.
default accept mode	Restores the default accept mode as "always".
default local port	Uses the default port number as the local port for accept mode tunneling. The default port is 10000 + #, where # is the line number for this tunnel.
default protocol	Restores the default protocol as "TCP".
default start character	Defaults the accept mode start character.
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second accept mode TCP keep

	alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
email connect <*number*>	Sets an email profile to use to send an email alert upon establishing an accept mode tunnel. <number> = the number of the email profile to use.
email disconnect <*number*>	Sets an email profile to use to send an email alert upon closing an accept mode tunnel. <number> = the number of the email profile to use.
exit	Returns to the tunnel level.
flush serial disable	Characters already in the serial data buffer are retained upon establishing an accept mode tunneling connection.
flush serial enable	Flushes the serial data buffer upon establishing an accept mode tunneling connection.
flush start character disable	Enables forwarding of the accept start character into the network.
flush start character enable	Disables forwarding of the accept start character into the network.
initial send binary <*binary*>	Sets the accept tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the accept tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
kill connection	Disconnects the active accept mode tunneling connection.
local port <*number*>	Sets the port to use for accept mode tunneling. <number> = number of the port to use.
no aes decrypt key	Removes the accept tunnel AES decrypt key.
no aes encrypt key	Removes the accept tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no email connect	Discontinues sending email alerts upon establishing an accept mode tunnel.
no email disconnect	Discontinues sending email alerts upon closing an accept mode tunnel.
no initial send	Removes the accept tunnel Initial Send string.
password	Enters the next lower level.
protocol ssh	Uses SSH protocol for accept mode tunneling.
protocol ssl	Uses SSL protocol for accept mode tunneling.
protocol tcp	Uses TCP protocol for accept mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for accept mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for accept mode tunneling.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel accept status.
start character <*control*>	Sets the accept mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.

tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for accept mode tunneling and sets the value for timeouts subsequent to the initial timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
write	Stores the current configuration in permanent memory.
accept (tunnel-accept:1) level commands	
accept mode always	Enables the tunneling server to always accept tunneling connections.
accept mode any character	Enables the tunneling server to accept tunneling connections only when a character is received through the corresponding line (serial port).
accept mode disable	Disables accept mode tunneling.
accept mode modem control asserted	Enables the tunneling server to accept tunneling connections when the modem control pin is asserted.
accept mode modem emulation	Enables modem emulation for accept mode tunneling.
accept mode start character	Enables accept mode tunneling when the configured start character is received on the line.
aes decrypt key <*hexadecimal*>	Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the accept tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the accept tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
block network disable	Forwards (tunnels) network data in accept mode tunneling.
block network enable	Discards all data coming in from the accept mode tunnel before forwarding it to the serial interface (generally used for debugging).
block serial disable	Forwards (tunnels) serial data in accept mode tunneling.
block serial enable	Discards all data coming in from the serial interface before forwarding it to the accept mode tunnel (generally used for debugging).
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL server.
default accept mode	Restores the default accept mode as "always".

default local port	Uses the default port number as the local port for accept mode tunneling. The default port is 10000 + #, where # is the line number for this tunnel.
default protocol	Restores the default protocol as "TCP".
default start character	Defaults the accept mode start character.
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second accept mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
email connect <*number*>	Sets an email profile to use to send an email alert upon establishing an accept mode tunnel. <number> = the number of the email profile to use.
email disconnect <*number*>	Sets an email profile to use to send an email alert upon closing an accept mode tunnel. <number> = the number of the email profile to use.
exit	Returns to the tunnel level.
flush serial disable	Characters already in the serial data buffer are retained upon establishing an accept mode tunneling connection.
flush serial enable	Flushes the serial data buffer upon establishing an accept mode tunneling connection.
flush start character disable	Enables forwarding of the accept start character into the network.
flush start character enable	Disables forwarding of the accept start character into the network.
initial send binary <*binary*>	Sets the accept tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the accept tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
kill connection	Disconnects the active accept mode tunneling connection.
local port <*number*>	Sets the port to use for accept mode tunneling. <number> = number of the port to use.
no aes decrypt key	Removes the accept tunnel AES decrypt key.
no aes encrypt key	Removes the accept tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no email connect	Discontinues sending email alerts upon establishing an accept mode tunnel.
no email disconnect	Discontinues sending email alerts upon closing an accept mode tunnel.
no initial send	Removes the accept tunnel Initial Send string.
password	Enters the next lower level.
protocol ssh	Uses SSH protocol for accept mode tunneling.
protocol ssl	Uses SSL protocol for accept mode tunneling.
protocol tcp	Uses TCP protocol for accept mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for accept mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for accept mode tunneling.
show	Displays the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel accept status.
start character <*control*>	Sets the accept mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for accept mode tunneling and sets the value for timeouts subsequent to the initial timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
write	Stores the current configuration in permanent memory.
action (config-action-select) level commands	
backup power change	Enters the backup power change alarm level.
clrscrn	Clears the screen.
device temperature change	Enters the device temperature change alarm level.
eth0 link state change	Enters the eth0 link state change alarm level.
exit	Exits to the config level.
main power change	Enters the main power change alarm level.
on scheduled reboot	Enters the on scheduled reboot alarm level.
show history	Displays the last 20 commands entered during the current CLI session.
wlan0 link state change	Enters the wlan0 link state change alarm level.
write	Stores the current configuration in permanent memory.
advanced (config-profile-advanced:default_adhoc_profile) level commands	
antenna diversity antenna 1	Set antenna selection to 1
antenna diversity antenna 2	Set antenna selection to 2
antenna diversity enabled	Set antenna diversity to enabled.
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
basic	Switch to basic level
clrscrn	Clears the screen.
default antenna diversity	Restore the default value for antenna diversity.
default max missed beacons	Restores the max beacons missed to the default value.
default power management interval	Restores the power management interval to the default value (1 beacon).
default tx data rate	Restores the TX data rate to the default value (auto-reduction).
default tx data rate maximum	Restores the maximum TX data rate to the default value (54 Mbps).
default tx power maximum	Restores the maximum TX power to the default value (14 dBm).
exit	Exit to the profiles level

max missed beacons <*beacons*>	Sets the max beacons missed before the association is dropped.
power management disable	Disables power management.
power management enable	Enables power management.
power management interval <*beacons (100 ms each)*>	Sets the power management time interval in beacons. (A beacon is 100 msec.)
security	Switch to security level
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
tx data rate auto-reduction	Enables TX data rate auto-reduction.
tx data rate fixed	Enables a fixed data rate.
tx data rate maximum 1 mbps	Sets the data rate maximum to 1 Mbps.
tx data rate maximum 11 mbps	Sets the data rate maximum to 11 Mbps.
tx data rate maximum 12 mbps	Sets the data rate maximum to 12 Mbps.
tx data rate maximum 18 mbps	Sets the data rate maximum to 18 Mbps.
tx data rate maximum 2 mbps	Sets the data rate maximum to 2 Mbps.
tx data rate maximum 24 mbps	Sets the data rate maximum to 24 Mbps.
tx data rate maximum 36 mbps	Sets the data rate maximum to 36 Mbps.
tx data rate maximum 48 mbps	Sets the data rate maximum to 48 Mbps.
tx data rate maximum 5.5 mbps	Sets the data rate maximum to 5.5 Mbps.
tx data rate maximum 54 mbps	Sets the data rate maximum to 54 Mbps.
tx data rate maximum 6 mbps	Sets the data rate maximum to 6 Mbps.
tx data rate maximum 9 mbps	Sets the data rate maximum to 9 Mbps.
tx data rate maximum mcs0	Sets the data rate maximum to MCS0.
tx data rate maximum mcs1	Sets the data rate maximum to MCS1.
tx data rate maximum mcs2	Sets the data rate maximum to MCS2.
tx data rate maximum mcs3	Sets the data rate maximum to MCS3.
tx data rate maximum mcs4	Sets the data rate maximum to MCS4.
tx data rate maximum mcs5	Sets the data rate maximum to MCS5.
tx data rate maximum mcs6	Sets the data rate maximum to MCS6.
tx data rate maximum mcs7	Sets the data rate maximum to MCS7.
tx power maximum <*dBm*>	Sets the TX power maximum in dBm. <dBm> = measure of power in decibels with respect to one milliwatt.
write	Stores the current configuration in permanent memory.
applications (config-applications) level commands	
clrscrn	Clears the screen.
exit	Returns to the config level.
python <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
python install <*zip|tar.gz file*>	Install a python package <zip | tar.gz file> = path of package to install.
python kill <*pid*>	Kill a python script <pid> = PID of running script or 'all' for all scripts.
python remove all	Uninstall python package and all installed packages.
python run <*instance*>	Runs a python script <instance> = index of the script to be executed.

python show installed	Show installed python packages.
python show status	Show running python scripts.
python uninstall *<zip|tar.gz file|File>*	Uninstall a python package <zip | tar.gz file> = path of package to uninstall. <File> = file to uninstall (from list of installed packages).
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
arp (config-arp) level commands	
add *<IP address> <MAC address>*	Adds an entry to the ARP table, mapping an IP address to a MAC address. <ip address> = IP address to be mapped. <mac address> = MAC address in colon-separated form.
clrscrn	Clears the screen.
exit	Exits to the configuration level.
remove all	Removes all entries from the ARP cache.
remove ip *<IP address>*	Removes an entry from the ARP cache. <ip address> = address of the entry being removed.
show cache	Displays the ARP cache table.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
backup power change (config-action:backup power change) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay *<seconds>*	Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.
bridge 1 (config-bridge:br0) level commands	
bridging mac address *<hexadecimal>*	Sets the Bridging MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
clrscrn	Clears the screen.
exit	Exits to the config level.
no bridging mac address	Removes the Bridging MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
show statistics	Show bridge statistics
show status	Show bridge status
state disable	Disables bridging.
state enable	Enables bridging.
write	Stores the current configuration in permanent memory.
choice 1 (config-wlan-choice:wlan0:1) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no profile	Removes reference to the profile.
profile *<text>*	Selects a profile. <text> = name of the profile.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
choice 2 (config-wlan-choice:wlan0:2) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no profile	Removes reference to the profile.
profile *<text>*	Selects a profile. <text> = name of the profile.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
choice 3 (config-wlan-choice:wlan0:3) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no profile	Removes reference to the profile.
profile *<text>*	Selects a profile. <text> = name of the profile.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
choice 4 (config-wlan-choice:wlan0:4) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.

no profile	Removes reference to the profile.
profile <*text*>	Selects a profile. <text> = name of the profile.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
cli (config-cli) level commands	
clrscrn	Clears the screen.
default inactivity timeout	The default inactivity timeout will apply to CLI sessions.
default login password	Restores the default CLI login password.
default quit connect line	Restores the default string to quit the "connect line", "telnet", and "ssh" commands.
enable level password <*text*>	Sets the enable-level password.
exit	Exits to the configuration level.
inactivity timeout <*minutes*>	Sets the inactivity timeout for all CLI sessions.
line authentication disable	No password required for Line CLI users.
line authentication enable	Challenges the Line CLI user with a password.
login password <*text*>	Sets the CLI login password.
no enable level password	Removes the enable-level password.
no inactivity timeout	No inactivity timeout will apply to CLI sessions.
quit connect line <*control*>	Sets the string used to quit the "connect line", "telnet", and "ssh" commands. The characters may be input as text or control. A control character has the form <control>C.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh	Change to menu level for SSH configuration and status.
telnet	Change to menu level for Telnet configuration and status.
write	Stores the current configuration in permanent memory.
client (ssh-client) level commands	
clrscrn	Clears the screen.
default user <*username*> command	Restore the user command to the default login shell
delete all known hosts	Remove all known hosts
delete all users	Remove all users
delete known host <*server*>	Remove known host
delete user <*username*>	Delete the named user
exit	Exits to the ssh level.
known host <*server*>	Set known host RSA or DSA key
no known host <*server*> dsa	Remove known host DSA key
no known host <*server*> rsa	Remove known host RSA key
no user <*username*> dsa	Remove user DSA key
no user <*username*> rsa	Remove user RSA key
show	Show SSH Client settings
show history	Displays the last 20 commands entered during the current CLI session.
show known host <*server*>	Show known host RSA and DSA keys

show user <*username*>	Show information for a user
user <*username*>	Set username and RSA or DSA keys
user <*username*> command <*command*>	Customizes the user command
user <*username*> generate dsa 1024	Generate DSA public and private keys
user <*username*> generate dsa 512	Generate DSA public and private keys
user <*username*> generate dsa 768	Generate DSA public and private keys
user <*username*> generate rsa 1024	Generate RSA public and private keys
user <*username*> generate rsa 512	Generate RSA public and private keys
user <*username*> generate rsa 768	Generate RSA public and private keys
user <*username*> password <*password*>	Set username with password and optional RSA or DSA keys
write	Stores the current configuration in permanent memory.
clock (config-clock) level commands	
clock set <*time(hh:mm:ss)*> <*day (1-31)*> <*month text*> <*year*>	Sets the system clock.
clock timezone	Shows possible time zone names.
clock timezone <*time zone*>	Sets the timezone to be displayed. Use "clock timezone" to show choices.
clrscrn	Clears the screen.
default clock timezone	Restores the default timezone, which is UTC.
default synchronization method	Restores the default time synchronization method (Manual).
exit	Exits to the configuration level.
ntp	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show system clock	Displays the system clock.
synchronization method manual	Set time manually.
synchronization method sntp	Synchronize time with a NTP server.
write	Stores the current configuration in permanent memory.
configure (config) level commands	
action	Enters the config action level.
applications	Enters the applications level.
arp	Changes to the command level for ARP configuration and status.
bridge <*instance*>	Changes to the bridge configuration level.
cli	Change to menu level for CLI configuration and status
clock	Change to menu level for Clock configuration and status
clrscrn	Clears the screen.
ddns	Enters the ddns level.
diagnostics	Enters the diagnostics level.
discovery	Enters the discovery level.
exit	Exits to the enable level.
ftp	Enters the ftp level.
gateway	Enters the gateway level.

gre <*instance*>	Change to gre level.
host <*number*>	Change to config host level
http	Enters the http level.
icmp	Changes to the command level for ICMP configuration and status.
if <*instance*>	Changes to the interface configuration level.
ip	Changes to the command level for IP configuration and status.
kill ssh <*session*>	Kills SSH session with index from "show sessions"
kill telnet <*session*>	Kills Telnet session with index from "show sessions"
modbus	Changes to the modbus configuration level.
rss	Change to menu level for RSS configuration and status
show	Displays system information.
show history	Displays the last 20 commands entered during the current CLI session.
smtp	Changes to the command level for SMTP configuration and status.
snmp	Enters the snmp level.
syslog	Enters the syslog level.
terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
vpn <*instance*>	Change to vpn level.
wlan profiles	Enters the WLAN profiles configuration level.
write	Stores the current configuration in permanent memory.
connect (tunnel-connect:2) level commands	
block network disable	Forwards (tunnels) network data in connect mode tunneling.
block network enable	Discards all data coming in from the connect mode tunnel before forwarding it to the serial interface (generally used for debugging).
block serial disable	Forwards (tunnels) serial data in connect mode tunneling.
block serial enable	Discards all data coming in from the serial interface before forwarding it to the connect mode tunnel (generally used for debugging).
clrscrn	Clears the screen.
connect mode always	Enables the tunneling server to always establish tunneling connections.
connect mode any character	Enables the tunneling server to establish a tunneling connection when a character is received on the corresponding line (serial port).
connect mode disable	Disables connect mode tunneling.
connect mode modem control asserted	Enables the tunneling server to make tunneling connections when the modem control pin is asserted.
connect mode modem emulation	Enables modem emulation for connect mode tunneling.
connect mode start character	Enables connect mode tunneling when the configured start character is received on the line.
default connect mode	Restores the default connect mode as "disable".
default host mode	Connects to the first host in the list that accepts the con-

	nection.
default local port	Uses a random port number as the local port for establishing tunneling connections to other devices.
default reconnect time	Restores the default reconnect time value for connect mode tunneling.
default start character	Defaults the connect mode start character.
email connect <*number*>	Sets an email profile to use to send an email alert upon establishing a connect mode tunnel. <number> = the number of the email profile to use.
email disconnect <*number*>	Sets an email profile to use to send an email alert upon closing a connect mode tunnel. <number> = the number of the email profile to use.
exit	Returns to the tunnel level.
flush serial disable	Characters already in the serial data buffer are retained upon establishing a connect mode tunneling connection.
flush serial enable	Flushes the serial data buffer upon establishing a connect mode tunneling connection.
flush start character disable	Enables forwarding of the connect start character into the network.
flush start character enable	Disables forwarding of the connect start character into the network.
host <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
host mode sequential	Connects to the first host in the list that accepts the connection.
host mode simultaneous	Selects simultaneous connections to all hosts on the host list.
kill connection	Disconnects the active connect mode tunneling connection or connections.
local port <*number*>	Sets a specific port for use as the local port. <number> = the number of the port to use.
no email connect	Discontinues sending email alerts upon establishing a connect mode tunnel.
no email disconnect	Discontinues sending email alerts upon closing a connect mode tunnel.
promote host <*number*>	Promotes the identified host, exchanging it place with the host above it, to adjust the order of the defined hosts.
reconnect time <*milliseconds*>	Sets the reconnect time value for tunneling connections established by the device in milliseconds. <milliseconds> = timeout in milliseconds.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel connect status.
start character <*control*>	Sets the connect mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
write	Stores the current configuration in permanent memory.
connect (tunnel-connect:1) level commands	
block network disable	Forwards (tunnels) network data in connect mode tunnel-

	ing.
block network enable	Discards all data coming in from the connect mode tunnel before forwarding it to the serial interface (generally used for debugging).
block serial disable	Forwards (tunnels) serial data in connect mode tunneling.
block serial enable	Discards all data coming in from the serial interface before forwarding it to the connect mode tunnel (generally used for debugging).
clrscrn	Clears the screen.
connect mode always	Enables the tunneling server to always establish tunneling connections.
connect mode any character	Enables the tunneling server to establish a tunneling connection when a character is received on the corresponding line (serial port).
connect mode disable	Disables connect mode tunneling.
connect mode modem control asserted	Enables the tunneling server to make tunneling connections when the modem control pin is asserted.
connect mode modem emulation	Enables modem emulation for connect mode tunneling.
connect mode start character	Enables connect mode tunneling when the configured start character is received on the line.
default connect mode	Restores the default connect mode as "disable".
default host mode	Connects to the first host in the list that accepts the connection.
default local port	Uses a random port number as the local port for establishing tunneling connections to other devices.
default reconnect time	Restores the default reconnect time value for connect mode tunneling.
default start character	Defaults the connect mode start character.
email connect <*number*>	Sets an email profile to use to send an email alert upon establishing a connect mode tunnel. <number> = the number of the email profile to use.
email disconnect <*number*>	Sets an email profile to use to send an email alert upon closing a connect mode tunnel. <number> = the number of the email profile to use.
exit	Returns to the tunnel level.
flush serial disable	Characters already in the serial data buffer are retained upon establishing a connect mode tunneling connection.
flush serial enable	Flushes the serial data buffer upon establishing a connect mode tunneling connection.
flush start character disable	Enables forwarding of the connect start character into the network.
flush start character enable	Disables forwarding of the connect start character into the network.
host <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
host mode sequential	Connects to the first host in the list that accepts the connection.
host mode simultaneous	Selects simultaneous connections to all hosts on the host list.
kill connection	Disconnects the active connect mode tunneling connection or connections.

local port <*number*>	Sets a specific port for use as the local port. <number> = the number of the port to use.
no email connect	Discontinues sending email alerts upon establishing a connect mode tunnel.
no email disconnect	Discontinues sending email alerts upon closing a connect mode tunnel.
promote host <*number*>	Promotes the identified host, exchanging it place with the host above it, to adjust the order of the defined hosts.
reconnect time <*milliseconds*>	Sets the reconnect time value for tunneling connections established by the device in milliseconds. <milliseconds> = timeout in milliseconds.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel connect status.
start character <*control*>	Sets the connect mode start character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:wlan0 link state change:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:wlan0 link state change:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.

default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:on scheduled reboot:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:on scheduled reboot:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.

host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:main power change:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:main power change:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.

no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:eth0 link state change:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:eth0 link state change:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.

protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:device temperature change:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:device temperature change:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-http_post-connection:backup power change:1) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host *<text>*	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password *<text>*	Sets the Password used to logon to HTTP server.
port *<number>*	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url *<text>*	Sets HTTP request URL following IP address or hostname.
username *<text>*	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 1 (config-action-ftp_put-connection:backup power change:1) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename *<text>*	Sets FTP remote Filename.
host *<text>*	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password *<text>*	Sets the Password used to logon to FTP server.
port *<number>*	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the Username used to logon to FTP server.

write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:wlan0 link state change:2) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:wlan0 link state change:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:on scheduled reboot:2) level commands	
clrscrn	Clears the screen.

default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:on scheduled reboot:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:main power change:2) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.

host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password <*text*>	Sets the Password used to logon to HTTP server.
port <*number*>	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url <*text*>	Sets HTTP request URL following IP address or hostname.
username <*text*>	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:main power change:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename <*text*>	Sets FTP remote Filename.
host <*text*>	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password <*text*>	Sets the Password used to logon to FTP server.
port <*number*>	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:eth0 link state change:2) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host <*text*>	Sets HTTP server IP address or hostname to be connected to.
no host	Clears HTTP server IP address or hostname.

no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password *<text>*	Sets the Password used to logon to HTTP server.
port *<number>*	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url *<text>*	Sets HTTP request URL following IP address or host-name.
username *<text>*	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:eth0 link state change:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename *<text>*	Sets FTP remote Filename.
host *<text>*	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password *<text>*	Sets the Password used to logon to FTP server.
port *<number>*	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:device temperature change:2) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host *<text>*	Sets HTTP server IP address or hostname to be connect-ed to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.

password *<text>*	Sets the Password used to logon to HTTP server.
port *<number>*	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.
protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url *<text>*	Sets HTTP request URL following IP address or host-name.
username *<text>*	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:device temperature change:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename *<text>*	Sets FTP remote Filename.
host *<text>*	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password *<text>*	Sets the Password used to logon to FTP server.
port *<number>*	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-http_post-connection:backup power change:2) level commands	
clrscrn	Clears the screen.
default port	Sets default Port number.
default protocol	Sets default HTTP Protocol.
exit	Exits to the next higher level.
host *<text>*	Sets HTTP server IP address or hostname to be connect-ed to.
no host	Clears HTTP server IP address or hostname.
no password	Clears the Password.
no url	Clears HTTP request URL.
no username	Clears the Username.
password *<text>*	Sets the Password used to logon to HTTP server.
port *<number>*	Sets the Port number which HTTP server is listening to.
protocol http	Selects HTTP Protocol.

protocol https	Selects HTTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
url *<text>*	Sets HTTP request URL following IP address or host-name.
username *<text>*	Sets the Username used to logon to HTTP server.
write	Stores the current configuration in permanent memory.
connection 2 (config-action-ftp_put-connection:backup power change:2) level commands	
clrscrn	Clears the screen.
default filename	Sets default FTP remote Filename.
default port	Sets default Port number.
default protocol	Sets default FTP Protocol.
default username	Sets default Username.
exit	Exits to the next higher level.
filename *<text>*	Sets FTP remote Filename.
host *<text>*	Sets FTP server IP address or hostname to be connected to.
no host	Clears FTP server IP address or hostname.
no password	Sets default Password.
password *<text>*	Sets the Password used to logon to FTP server.
port *<number>*	Sets the Port number which FTP server is listening to.
protocol ftp	Selects FTP Protocol.
protocol ftps	Selects FTPS Protocol.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the Username used to logon to FTP server.
write	Stores the current configuration in permanent memory.
credentials (ssl-credentials) level commands	
clrscrn	Clears the screen.
create *<credential name>*	Create a new credential name
delete *<credential name>*	Delete existing credential by name
edit *<credential name>*	View or edit an existing credential
exit	Exits to the ssl level.
show	Show existing credential names
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ddns (config-ddns) level commands	
clrscrn	Clears the screen.
default interval	Restores the default IP Address check interval.
exit	Returns to the config level.
hostname *<text>*	Sets the DDNS hostname.
interval *<minutes>*	Sets the IP Address check interval.
no hostname	Clear DDNS hostname.

no password	Clear DDNS account password.
no username	Clear DDNS account user name.
password *<text>*	Sets the DDNS account password.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show DDNS status
state disable	Disables DDNS updates.
state enable	Enables DDNS updates.
update ddns	Update DDNS
username *<text>*	Sets the DDNS account user name.
write	Stores the current configuration in permanent memory.
device (device) level commands	
auto show tlog	Continuously displays the internal trouble log.
clrscrn	Clears the screen.
default long name	Restores the default product long name.
default short name	Restores the default product short name.
exit	Exit to the enable level.
long name *<name>*	Sets the product long name, displayed in command mode and the Web interface.
reboot schedule	Enters the reboot schedule level
short name *<name>*	Sets the product short name, displayed in command mode and the Web interface. <name> = maximum of eight characters.
show	Show system information
show hardware information	Displays information about the hardware.
show history	Displays the last 20 commands entered during the current CLI session.
show memory	Displays current memory usage information.
show task state	Displays current task states.
show tlog	Displays the internal trouble log.
write	Stores the current configuration in permanent memory.
device temperature change (config-action:device temperature change) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay *<seconds>*	Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.

dhcpserver (config-dhcpd) level commands	
clrscrn	Clears the screen.
default end ip address	Restores end IP address of DHCP address pool to the default value.
default lease time	Restores the lease time to default value (24 hours).
default start ip address	Restores start IP address of DHCP address pool to the default value.
delete all static leases	Deletes all static leases.
delete static lease *<instance>*	Deletes an entry from the static lease table <instance> = index of the entry being removed
end ip address *<IP address>*	Sets the end IP address of DHCP address pool.
end ipv6 address *<ip address/prefix_length>*	Sets the end IPv6 address of DHCP address pool. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
ipv6 state disable	Disables IPv6 DHCP server.
ipv6 state enable	Enables IPv6 DHCP server.
lease time *<hours>*	Sets the lease time. <number> = lease time in hours.
no end ipv6 address	Clears the end IPv6 address of DHCP address pool.
no start ipv6 address	Clears the start IPv6 address of DHCP address pool.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
start ip address *<IP address>*	Sets the start IP address of DHCP address pool.
start ipv6 address *<ip address/prefix_length>*	Sets the start IPv6 address of DHCP address pool. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
state enable	Enables DHCP server.
static leases *<number>*	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
diagnostics (config-diagnostics) level commands	
clrscrn	Clears the screen.
exit	Returns to the config level.
log	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
disconnect (tunnel-disconnect:2) level commands	
clrscrn	Clears the screen.
exit	Returns to the tunnel level.
flush serial disable	Does not flush serial data upon closing a tunneling connection.
flush serial enable	Flushes serial data buffer when a tunneling connection is closed.
flush stop character disable	Forwards the stop character from the Line to the network.
flush stop character enable	Prevents the stop character from the Line from being forwarded to the network.
modem control disable	Does not watch the modem control pin to disconnect.

modem control enable	Watches the modem control pin and disconnects if it is not asserted.
no stop character	Removes the stop character.
no timeout	Disables disconnect after timeout feature for tunneling sessions.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
stop character *<control>*	Sets the stop character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
timeout *<milliseconds>*	Disconnects when no data has been received on the line (serial port) for the specified length of time. <milliseconds> = timeout in milliseconds.
write	Stores the current configuration in permanent memory.
disconnect (tunnel-disconnect:1) level commands	
clrscrn	Clears the screen.
exit	Returns to the tunnel level.
flush serial disable	Does not flush serial data upon closing a tunneling connection.
flush serial enable	Flushes serial data buffer when a tunneling connection is closed.
flush stop character disable	Forwards the stop character from the Line to the network.
flush stop character enable	Prevents the stop character from the Line from being forwarded to the network.
modem control disable	Does not watch the modem control pin to disconnect.
modem control enable	Watches the modem control pin and disconnects if it is not asserted.
no stop character	Removes the stop character.
no timeout	Disables disconnect after timeout feature for tunneling sessions.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
stop character *<control>*	Sets the stop character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
timeout *<milliseconds>*	Disconnects when no data has been received on the line (serial port) for the specified length of time. <milliseconds> = timeout in milliseconds.
write	Stores the current configuration in permanent memory.
discovery (config-discovery) level commands	
clear counters	Zeros Query Port counters
clrscrn	Clears the screen.
default upnp port	Resets the UPnP Server port to its default value (0x77FF).
exit	Returns to the config level.
no clear counters	Unzeros Query Port counters

show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays statistics and information about the discovery services.
state disable	Disables the Query Port server.
state enable	Enables the Query Port server.
upnp port <*number*>	Sets the port number the UPnP server will use. <number> = port number.
upnp state disable	Disables the UPnP server.
upnp state enable	Enables the UPnP server.
write	Stores the current configuration in permanent memory.
dns (dns) level commands	
clrscrn	Clears the screen.
exit	Exits to the enable level.
lookup <*host_or_ip*>	Return a lookup on the DNS name or IP address.
show	Show DNS status.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
edit 1 (config-profile-basic:default_adhoc_profile) level commands	
advanced	Switch to advanced level
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
channel <*number*>	Sets the radio channel for AdHoc. <number> = number of the radio channel.
clrscrn	Clears the screen.
default channel	Restores the default value to the radio channel.
default mode	Restores the radio mode to the default value (802.11abgn).
default topology	Restores the default topology, which is Infrastructure.
exit	Exit to the profiles level
mode 802.11a only	Sets the radio mode to 802.11a only.
mode 802.11abgn	Sets the radio mode to 802.11abgn.
mode 802.11an	Sets the radio mode to 802.11an.
mode 802.11b only	Sets the radio mode to 802.11b only.
mode 802.11bg	Sets the radio mode to 802.11bg.
mode 802.11bgn	Sets the radio mode to 802.11bgn.
network name <*text*>	Sets the network name.
no network name	Clears the network name.
scan dfs channels disable	Disables scanning of the DFS channels (5 GHz band) for this profile.
scan dfs channels enable	Enables scanning of the DFS channels (5 GHz band) for this profile.
security	Switch to security level
show	Displays the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables this profile.
state enable	Enables this profile.
topology adhoc	Sets topology to Adhoc.
topology infrastructure	Sets topology to Infrastructure.
write	Stores the current configuration in permanent memory.
email (config-action-email:wlan0 link state change) level commands	
alarm email email *<number>*	Specifies the email number to send when the alarm turns on.
alarm email none	Specifies no email when the alarm turns on.
alarm message *<text>*	Sets the email message to be sent when the alarm turns on.
alarm reminder interval *<minutes>*	Sets the time interval that messages will be sent while the alarm remains on.
clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.
no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email *<number>*	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message *<text>*	Sets the email message to be sent when the alarm turns off.
normal reminder interval *<minutes>*	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email (config-action-email:on scheduled reboot) level commands	
alarm email email *<number>*	Specifies the email number to send when the alarm turns on.
alarm email none	Specifies no email when the alarm turns on.
alarm message *<text>*	Sets the email message to be sent when the alarm turns on.
alarm reminder interval *<minutes>*	Sets the time interval that messages will be sent while the alarm remains on.
clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.

no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email <*number*>	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message <*text*>	Sets the email message to be sent when the alarm turns off.
normal reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email (config-action-email:main power change) level commands	
alarm email email <*number*>	Specifies the email number to send when the alarm turns on.
alarm email none	Specifies no email when the alarm turns on.
alarm message <*text*>	Sets the email message to be sent when the alarm turns on.
alarm reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains on.
clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.
no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email <*number*>	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message <*text*>	Sets the email message to be sent when the alarm turns off.
normal reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email (config-action-email:eth0 link state change) level commands	
alarm email email <*number*>	Specifies the email number to send when the alarm turns on.
alarm email none	Specifies no email when the alarm turns on.
alarm message <*text*>	Sets the email message to be sent when the alarm turns on.
alarm reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains on.

clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.
no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email <*number*>	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message <*text*>	Sets the email message to be sent when the alarm turns off.
normal reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email (config-action-email:device temperature change) level commands	
alarm email email <*number*>	Specifies the email number to send when the alarm turns on.
alarm email none	Specifies no email when the alarm turns on.
alarm message <*text*>	Sets the email message to be sent when the alarm turns on.
alarm reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains on.
clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.
no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email <*number*>	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message <*text*>	Sets the email message to be sent when the alarm turns off.
normal reminder interval <*minutes*>	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email (config-action-email:backup power change) level commands	
alarm email email <*number*>	Specifies the email number to send when the alarm turns

	on.
alarm email none	Specifies no email when the alarm turns on.
alarm message *<text>*	Sets the email message to be sent when the alarm turns on.
alarm reminder interval *<minutes>*	Sets the time interval that messages will be sent while the alarm remains on.
clrscrn	Clears the screen.
default alarm email	Specifies no email when the alarm turns on.
default normal email	Specifies no email when the alarm turns off.
exit	Exits to the next higher level.
no alarm message	Removes the alarm email message.
no alarm reminder interval	Only one message will be sent when the alarm turns on.
no normal message	Removes the normal email message.
no normal reminder interval	Only one message will be sent when the alarm turns off.
normal email email *<number>*	Specifies the email number to send when the alarm turns off.
normal email none	Specifies no email when the alarm turns off.
normal message *<text>*	Sets the email message to be sent when the alarm turns off.
normal reminder interval *<minutes>*	Sets the time interval that messages will be sent while the alarm remains off.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
email 1 (email:1) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).

priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 10 (email:10) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.

show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 11 (email:11) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 12 (email:12) level commands	
auto show statistics	Continuously displays email statistics.

cc <*text*>	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email <*number*>	Enters the configure email level.
exit	Exits to the enable level.
message file <*text*>	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to <*text*>	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject <*text*>	Sets the Subject for email alerts. <text> = text to placed as the subject.
to <*text*>	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 13 (email:13) level commands	
auto show statistics	Continuously displays email statistics.
cc <*text*>	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email <*number*>	Enters the configure email level.
exit	Exits to the enable level.
message file <*text*>	Specifies a text file, the contents of which will be the mes-

	sage body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 14 (email:14) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.

priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 15 (email:15) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 16 (email:16) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 2 (email:2) level commands	

auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 3 (email:3) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.

message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 4 (email:4) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.

priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 5 (email:5) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 6 (email:6) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 7 (email:7) level commands	

auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 8 (email:8) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.

message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.
priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
email 9 (email:9) level commands	
auto show statistics	Continuously displays email statistics.
cc *<text>*	Sets Cc addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
clear log	Clears all entries from the mail log.
clear mail counters	Sets the email counters to zero.
clrscrn	Clears the screen.
default priority	Sets X-Priority for email alerts to 3 (normal).
email *<number>*	Enters the configure email level.
exit	Exits to the enable level.
message file *<text>*	Specifies a text file, the contents of which will be the message body of an email alert. <text> = the name of a local file.
no cc	Removes the Cc addresses for email alerts.
no clear mail counters	Restores the email counters to the aggregate values.
no message file	Removes the file name, so the message body will be empty.
no reply to	Removes the Reply To address for email alerts.
no subject	Removes subject used for email alerts.
no to	Removes the To addresses for email alerts.

priority high	Sets X-Priority for email alerts to 2 (high).
priority low	Sets X-Priority for email alerts to 4 (low).
priority normal	Sets X-Priority for email alerts to 3 (normal).
priority urgent	Sets X-Priority for email alerts to 1 (urgent).
priority very low	Sets X-Priority for email alerts to 5 (very low).
reply to *<text>*	Sets the Reply To address for email alerts. <text> = email address to place in the Reply To field of the email alert.
send	Sends an email using the current settings.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the email log.
show statistics	Displays email statistics.
subject *<text>*	Sets the Subject for email alerts. <text> = text to placed as the subject.
to *<text>*	Sets To addresses for email alerts. <text> = a quoted, semicolon separated list of email addresses.
write	Stores the current configuration in permanent memory.
enable (enable) level commands	
auto show interfaces	Show interface statistics
auto show processes	Continuously show thread runtime information
clrscrn	Clears the screen.
configure	Enters the configuration level.
connect	Show name and number for lines.
connect line *<line>*	Begin session on serial port.
device	Enters the device level.
disable	Exits the enable level.
dns	Enters the DNS level.
email *<number>*	Enters the configure email level.
exit	Exit from the system
filesystem	Enters the filesystem level.
iperf *<params>*	Run iperf with command line parameters passed in quoted string.
kill ssh *<session>*	Kills SSH session with index from "show sessions"
kill telnet *<session>*	Kills Telnet session with index from "show sessions"
line *<line>*	Enters the line level. <line> = number of the line (serial port) to be configured.
ping *<host>*	Ping destination continuously with 5 second timeout
ping *<host> <count>*	Ping destination n times with 5 second timeout
ping *<host> <count> <timeout>*	Ping destination n times with x timeout (in seconds)
ping6 *<host>*	Ping IPv6 destination continuously with 5 second timeout
ping6 *<host> <count>*	Ping IPv6 destination n times with 5 second timeout
ping6 *<host> <count> <timeout>*	Ping IPv6 destination n times with x timeout (in seconds)
reload	Reboot system
reload factory defaults	Reload factory defaults to permanent storage
show	Show system information

show history	Displays the last 20 commands entered during the current CLI session.
show interfaces	Show interface statistics
show ip sockets	Show UDP/TCP state information
show processes	Show thread runtime information
show sessions	Show active Telnet and SSH Sessions
ssh	Enters the SSH configuration level.
ssh <*optClientUsername*> <*host*>	Begin SSH session on network <host>. The optClientUserName must match an SSH Client: Users configuration entry. Use "" in optClientUserName to prompt for host username and password.
ssh <*optClientUsername*> <*host*> <*port*>	Begin SSH session on network <host>:<port>. The optClientUserName must match an SSH Client: Users configuration entry. Use "" in optClientUserName to prompt for host username and password.
ssl	Enters the SSL configuration level.
telnet <*host*>	Begin telnet session on network <host>.
telnet <*host*> <*port*>	Begin telnet session on network <host>:<port>.
trace route <*host*>	Trace route to destination
trace route <*host*> <*protocol*>	Trace route to destination using TCP, ICMP, or UDP
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
xml	Enters the XML level.
eth0 link state change (config-action:eth0 link state change) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay <*seconds*>	Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.
failover (config-wlan-failover:wlan0) level commands	
clrscrn	Clears the screen.
default failback threshold	Restores the default Failback threshold.
default failover interface	Restores the default Failover interface.
default failover threshold	Restores the default Failover threshold.
default interval	Restores the default Ping interval.
default method	Restores the default ping method.
default timeout	Restores the default Ping response timeout.

exit	Exit back to interface configuration level
failback threshold <*pings*>	Sets the Failback threshold. If <pings> attempts are answered, the device will Failback to original interface.
failover interface <*text*>	Sets the Failover interface.
failover threshold <*pings*>	Sets the Failover threshold. If <pings> attempts go unanswered, the device will Failover to selected interface.
hostname <*text*>	Sets the host name. <text> = name of the host to ping.
interval <*seconds*>	Sets the Ping interval in seconds.
method icmp	Ping using ICMP-ECHO.
method tcp	Ping using TCP.
no hostname	Clears the host name.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show failover status
state disable	Disables Failover.
state enable	Enables Failover.
test	Test failover configuration
timeout <*seconds*>	Sets the Ping response timeout in seconds.
write	Stores the current configuration in permanent memory.
failover (config-ethernet-failover:eth0) level commands	
clrscrn	Clears the screen.
default failback threshold	Restores the default Failback threshold.
default failover interface	Restores the default Failover interface.
default failover threshold	Restores the default Failover threshold.
default interval	Restores the default Ping interval.
default method	Restores the default ping method.
default timeout	Restores the default Ping response timeout.
exit	Exit back to interface configuration level
failback threshold <*pings*>	Sets the Failback threshold. If <pings> attempts are answered, the device will Failback to original interface.
failover interface <*text*>	Sets the Failover interface.
failover threshold <*pings*>	Sets the Failover threshold. If <pings> attempts go unanswered, the device will Failover to selected interface.
hostname <*text*>	Sets the host name. <text> = name of the host to ping.
interval <*seconds*>	Sets the Ping interval in seconds.
method icmp	Ping using ICMP-ECHO.
method tcp	Ping using TCP.
no hostname	Clears the host name.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show failover status
state disable	Disables Failover.
state enable	Enables Failover.
test	Test failover configuration

timeout *<seconds>*	Sets the Ping response timeout in seconds.
write	Stores the current configuration in permanent memory.
filesystem (filesystem) level commands	
cat *<file>*	Show the contents of a file
cd *<directory>*	Change the current directory to the specified directory
clrscrn	Clears the screen.
cp *<source file> <destination file>*	Copy an existing file
dump *<file>*	Show contents of a file as a hex dump
exit	Exits to the enable level.
format	Format the file system and lose all data
ls	Show all files and directories in the current directory
ls *<directory>*	Show all files and directories in the specified directory
mass storage	Enters the next lower level.
mkdir *<directory>*	Create a directory
mv *<source file> <destination file>*	Move a file on the file system
pwd	Print working directory
rm *<file>*	Remove a file
rmdir *<directory>*	Remove a directory
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show tree	Show all files and directories from current directory
tftp get *<source file> <destination file> <host>*	Get a file using TFTP
tftp get *<source file> <destination file> <host> <port>*	Get a file using TFTP
tftp put *<source file> <destination file> <host>*	Put a file using TFTP
tftp put *<source file> <destination file> <host> <port>*	Put a file using TFTP
touch *<file>*	Create a file
filter 1 (config-wlan-qos-filter:wlan0:1) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.

priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 1 (config-ethernet-qos-filter:eth0:1) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 10 (config-wlan-qos-filter:wlan0:10) level commands	
clrscrn	Clears the screen.

default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 10 (config-ethernet-qos-filter:eth0:10) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.

priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 11 (config-wlan-qos-filter:wlan0:11) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.

filter 11 (config-ethernet-qos-filter:eth0:11) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 12 (config-wlan-qos-filter:wlan0:12) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.

priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 12 (config-ethernet-qos-filter:eth0:12) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
write	Stores the current configuration in permanent memory.
filter 13 (config-wlan-qos-filter:wlan0:13) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 13 (config-ethernet-qos-filter:eth0:13) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.

ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 14 (config-wlan-qos-filter:wlan0:14) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-

	100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 14 (config-ethernet-qos-filter:eth0:14) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 15 (config-wlan-qos-filter:wlan0:15) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.

no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 15 (config-ethernet-qos-filter:eth0:15) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-

	100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 16 (config-wlan-qos-filter:wlan0:16) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 16 (config-ethernet-qos-filter:eth0:16) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.

network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 17 (config-wlan-qos-filter:wlan0:17) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated

	is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 17 (config-ethernet-qos-filter:eth0:17) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 18 (config-wlan-qos-filter:wlan0:18) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC"

	12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 18 (config-ethernet-qos-filter:eth0:18) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allo-

	cated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 19 (config-wlan-qos-filter:wlan0:19) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 19 (config-ethernet-qos-filter:eth0:19) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.

mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 2 (config-wlan-qos-filter:wlan0:2) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.

priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 2 (config-ethernet-qos-filter:eth0:2) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 20 (config-wlan-qos-filter:wlan0:20) level commands	
clrscrn	Clears the screen.

default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 20 (config-ethernet-qos-filter:eth0:20) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.

priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 21 (config-wlan-qos-filter:wlan0:21) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.

filter 21 (config-ethernet-qos-filter:eth0:21) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 22 (config-wlan-qos-filter:wlan0:22) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.

priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 22 (config-ethernet-qos-filter:eth0:22) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
write	Stores the current configuration in permanent memory.
filter 23 (config-wlan-qos-filter:wlan0:23) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 23 (config-ethernet-qos-filter:eth0:23) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.

ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 24 (config-wlan-qos-filter:wlan0:24) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-

	100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 24 (config-ethernet-qos-filter:eth0:24) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 25 (config-wlan-qos-filter:wlan0:25) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.

no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 25 (config-ethernet-qos-filter:eth0:25) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-

	100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 26 (config-wlan-qos-filter:wlan0:26) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 26 (config-ethernet-qos-filter:eth0:26) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.

network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 27 (config-wlan-qos-filter:wlan0:27) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated

	is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 27 (config-ethernet-qos-filter:eth0:27) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 28 (config-wlan-qos-filter:wlan0:28) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC"

	12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 28 (config-ethernet-qos-filter:eth0:28) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allo-

	cated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 29 (config-wlan-qos-filter:wlan0:29) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 29 (config-ethernet-qos-filter:eth0:29) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.

mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 3 (config-wlan-qos-filter:wlan0:3) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.

priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 3 (config-ethernet-qos-filter:eth0:3) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 30 (config-wlan-qos-filter:wlan0:30) level commands	
clrscrn	Clears the screen.

default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 30 (config-ethernet-qos-filter:eth0:30) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.

priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 31 (config-wlan-qos-filter:wlan0:31) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.

filter 31 (config-ethernet-qos-filter:eth0:31) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 32 (config-wlan-qos-filter:wlan0:32) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.

priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 32 (config-ethernet-qos-filter:eth0:32) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
write	Stores the current configuration in permanent memory.
filter 4 (config-wlan-qos-filter:wlan0:4) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 4 (config-ethernet-qos-filter:eth0:4) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.

ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 5 (config-wlan-qos-filter:wlan0:5) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-

	100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 5 (config-ethernet-qos-filter:eth0:5) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 6 (config-wlan-qos-filter:wlan0:6) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.

no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 6 (config-ethernet-qos-filter:eth0:6) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network *<text>*	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports *<text>*	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-

	100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 7 (config-wlan-qos-filter:wlan0:7) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 7 (config-ethernet-qos-filter:eth0:7) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.

network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 8 (config-wlan-qos-filter:wlan0:8) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated

	is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 8 (config-ethernet-qos-filter:eth0:8) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 9 (config-wlan-qos-filter:wlan0:9) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC"

	12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allocated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
filter 9 (config-ethernet-qos-filter:eth0:9) level commands	
clrscrn	Clears the screen.
default priority	Restores the default value of the priority (Excellent Effort).
exit	Exits to the next higher level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
network <*text*>	Sets the filter Network.
no mac address	Removes the filter MAC Address.
no network	Removes the filter Network.
no ports	Removes the filter Port.
ports <*text*>	Sets the filter Port.
priority background	Sets the priority to Background. Bandwidth allocated is 5%-100%.
priority best effort	Sets the priority to Best Effort. Bandwidth allocated is 10%-100%.
priority critical applications	Sets the priority to Critical Applications. Bandwidth allocated is 15%-100%.
priority excellent effort	Sets the priority to Excellent Effort. Bandwidth allocated is 10%-100%.
priority internetwork control	Sets the priority to Internetwork Control. Bandwidth allo-

	cated is 5%-100%.
priority network control	Sets the priority to Network Control. Bandwidth allocated is 5%-100%.
priority video	Sets the priority to Video. Bandwidth allocated is 20%-100%.
priority voice	Sets the priority to Voice. Bandwidth allocated is 30%-100%.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp (config-ftp) level commands	
clrscrn	Clears the screen.
exit	Returns to the config level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays the FTP statistics.
state disable	Disables the FTP server.
state enable	Enables the FTP server.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:wlan0 link state change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:on scheduled reboot) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.

no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:main power change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:eth0 link state change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:device temperature change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that

	goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
ftp put (config-action-ftp_put:backup power change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the FTP Put reminder interval. FTP Put is sent once only.
reminder interval <*minutes*>	Sets the FTP Put reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
gateway (config-gateway) level commands	
add forwarding rule <*start port*> <*end port*> <*protocol*> <*ip*>	Add a forwarding rule without a name.
add forwarding rule <*start port*> <*end port*> <*target port*> <*protocol*> <*ingress ip*> <*ip*>	Add a forwarding rule based on ip address without a name.
add forwarding rule with name <*name*> <*start port*> <*end port*> <*protocol*> <*ip*>	Add a forwarding rule with a name.
add forwarding rule with name <*name*> <*start port*> <*target port*> <*end port*> <*protocol*> <*ingress ip*> <*ip*>	Add a forwarding rule based on ip address with a name.
add mac address filter <*MAC address*> <*action*>	Add a MAC Address filter.
add route <*network*> <*gateway*> <*interface*> <*metric*>	Add a static route without a name.
add route with name <*name*> <*network*> <*gateway*> <*interface*> <*metric*>	Add a static route with a name.
add virtual ip <*IP address*> <*lan ip address*>	Add a Virtual IP.
add virtual ip with name <*name*> <*IP address*> <*lan ip address*>	Add a Virtual IP with name.
clrscrn	Clears the screen.
default operating mode	Restores operating mode to the default value (Disabled).
default router ip address	Restores IP address of router to the default value.
default wan interface	Restores preferred WAN interface to the default value.
delete all mac address filters	Deletes all mac address filters.

delete all routes	Deletes all static routes.
delete all rules	Deletes all port forwarding rules.
delete all virtual ip	Deletes all virtual interfaces.
delete mac address filter *<instance>*	Deletes an entry from the mac address filters <instance> = index of the entry being removed
delete route *<instance>*	Deletes an entry from the static routes <instance> = index of the entry being removed.
delete rule *<instance>*	Deletes an entry from the port forwarding rules <instance> = index of the entry being removed.
delete virtual ip *<instance>*	Delete virtual ip <instance> = index of the ip being removed.
dhcpserver	Enters the dhcpserver level.
exit	Returns to the config level.
firewall disable	Disables firewall on WAN interface.
firewall enable	Enables firewall on WAN interface.
mac address filter *<number>*	Change to config mac filter level.
mac address filter disable	Disables MAC Address filtering.
mac address filter enable	Enables MAC Address filtering.
no primary dns	Clears the name of the primary DNS server.
no router ipv6 address	Clears the IPv6 address of router.
no secondary dns	Clears the name of the secondary DNS server.
operating mode disabled	Disables routing on WAN interface.
operating mode gateway	Enables routing with NAT on WAN interface.
operating mode router	Enables routing without NAT on WAN interface.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
primary dns *<IP address>*	Sets the IP address of the primary DNS server.
router ip address *<ip address/cidr>*	Sets the IP address of router. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask)
router ipv6 address *<ip address/prefix_length>*	Sets the IPv6 address of router. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
secondary dns *<IP address>*	Sets the IP address of the secondary DNS server.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show ipv6 routing table	Show current routing table.
show routing table	Show current routing table.
show status	Show gateway configuration and status.
static route *<number>*	Change to config gateway static route level.
virtual ip *<number>*	Change to virtual ip level.
wan interface *<text>*	Sets the preferred WAN interface. <text> = interface name.
write	Stores the current configuration in permanent memory.
gre 1 (config-gre:1) level commands	
clrscrn	Clears the screen.
default local network	Restores the default local network name.
default mtu	Restores the default Maximum Transmission Unit (MTU)

	size.
exit	Exits to the config level.
gre <*instance*>	Change to gre level.
ip address <*ip address/cidr*>	Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask)
local network <*text*>	Sets the local network name. <text> = local network name.
mtu <*bytes*>	Sets the Maximum Transmission Unit (MTU) size.
name <*text*>	Sets the name. <text> = name.
no ip address	Clears the IP address.
no name	Clears the name.
no remote host	Clear the remote host.
no remote network	Clears the remote network IP address.
remote host <*text*>	Sets the remote host. <text> = remote host.
remote network <*ip address/cidr*>	Sets the remote network IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask)
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show status
state disable	Disables GRE tunnel.
state enable	Enables GRE tunnel.
write	Stores the current configuration in permanent memory.
host 1 (tunnel-connect-host:2:1) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.

credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.

tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 1 (tunnel-connect-host:1:1) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.

no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 1 (config-host:1) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.

no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 10 (tunnel-connect-host:2:10) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.

initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 10 (tunnel-connect-host:1:10) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.

aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.

protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 10 (config-host:10) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.

ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 11 (tunnel-connect-host:2:11) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.

no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 11 (tunnel-connect-host:1:11) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc

	12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tun-

	neling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 11 (config-host:11) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 12 (tunnel-connect-host:2:12) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.

aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.

protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 12 (tunnel-connect-host:1:12) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.

default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.

validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 12 (config-host:12) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 13 (tunnel-connect-host:2:13) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.

auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and

	sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 13 (tunnel-connect-host:1:13) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.

no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 13 (config-host:13) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level

name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 14 (tunnel-connect-host:2:14) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that

	will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 14 (tunnel-connect-host:1:14) level commands	

address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.

protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 14 (config-host:14) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 15 (tunnel-connect-host:2:15) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel con-

	nections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 15 (tunnel-connect-host:1:15) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex dig-

	its. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.

show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 15 (config-host:15) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 16 (tunnel-connect-host:2:16) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc

	12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunnel-

	ing.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username *<text>*	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time *<milliseconds>*	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval *<milliseconds>*	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes *<number>*	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout *<milliseconds>*	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 16 (tunnel-connect-host:1:16) level commands	
address *<text>*	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key *<hexadecimal>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text *<text>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key *<hexadecimal>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text *<text>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials *<text>*	Selects the RSA/DSA certificates by name for the SSL client.

default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.

tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 16 (config-host:16) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 17 (config-host:17) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <num-

	ber> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username *<text>*	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 18 (config-host:18) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host *<number>*	Change to config host level
name *<text>*	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address *<text>*	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port *<number>*	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username *<text>*	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 19 (config-host:19) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host *<number>*	Change to config host level
name *<text>*	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address *<text>*	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port *<number>*	Sets the remote port used to connect to the host. <num-

	ber> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username *<text>*	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 2 (tunnel-connect-host:2:2) level commands	
address *<text>*	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key *<hexadecimal>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text *<text>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key *<hexadecimal>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text *<text>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials *<text>*	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary *<binary>*	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set *<text>*	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.

no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 2 (tunnel-connect-host:1:2) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.

aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username *<text>*	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time *<milliseconds>*	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval *<milliseconds>*	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes *<number>*	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout *<milliseconds>*	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 2 (config-host:2) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host *<number>*	Change to config host level
name *<text>*	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address *<text>*	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port *<number>*	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username *<text>*	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 20 (config-host:20) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.

exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 21 (config-host:21) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 22 (config-host:22) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.

exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 23 (config-host:23) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 24 (config-host:24) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.

exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 25 (config-host:25) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 26 (config-host:26) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.

exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 27 (config-host:27) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 28 (config-host:28) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.

exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 29 (config-host:29) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 3 (tunnel-connect-host:2:3) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex dig-

	its. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.

protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username *<text>*	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time *<milliseconds>*	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval *<milliseconds>*	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes *<number>*	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout *<milliseconds>*	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 3 (tunnel-connect-host:1:3) level commands	
address *<text>*	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key *<hexadecimal>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text *<text>*	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key *<hexadecimal>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text *<text>*	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials *<text>*	Selects the RSA/DSA certificates by name for the SSL

	client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> =

	number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 3 (config-host:3) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 30 (config-host:30) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.

remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 31 (config-host:31) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 32 (config-host:32) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.

remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 4 (tunnel-connect-host:2:4) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.

no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 4 (tunnel-connect-host:1:4) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character.

	Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.

show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 4 (config-host:4) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 5 (tunnel-connect-host:2:5) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16

	bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode

	tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 5 (tunnel-connect-host:1:5) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.

credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.

tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 5 (config-host:5) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 6 (tunnel-connect-host:2:6) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it con-

	tains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user

	name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 6 (tunnel-connect-host:1:6) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.

initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 6 (config-host:6) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).

default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 7 (tunnel-connect-host:2:7) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.

default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.

validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 7 (tunnel-connect-host:1:7) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.

no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 7 (config-host:7) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when

	this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 8 (tunnel-connect-host:2:8) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.

no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 8 (tunnel-connect-host:1:8) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16

	bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode

	tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username *<text>*	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time *<milliseconds>*	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval *<milliseconds>*	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes *<number>*	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout *<milliseconds>*	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 8 (config-host:8) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host *<number>*	Change to config host level
name *<text>*	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address *<text>*	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port *<number>*	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username *<text>*	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
host 9 (tunnel-connect-host:2:9) level commands	
address *<text>*	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.

aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics
clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.

protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in milliseconds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 9 (tunnel-connect-host:1:9) level commands	
address <*text*>	Sets the remote host to establish tunneling connections with. <text> = IP address or host name of the remote host.
aes decrypt key <*hexadecimal*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes decrypt key text <*text*>	Sets the connect tunnel AES decrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
aes encrypt key <*hexadecimal*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
aes encrypt key text <*text*>	Sets the connect tunnel AES encrypt key with up to 16 bytes. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
auto show statistics	show connection statistics

clrscrn	Clears the screen.
credentials <*text*>	Selects the RSA/DSA certificates by name for the SSL client.
default protocol	Restores the default protocol as "TCP".
default tcp keep alive idle time	Defaults the TCP keep alive idle time.
default tcp keep alive interval	Restores the default 45 second connect mode TCP keep alive timeout.
default tcp keep alive probes	Defaults the TCP keep alive probes.
exit	Exits to the next higher level.
initial send binary <*binary*>	Sets the host connect tunnel Initial Send text allowing for binary characters. <binary> = string in binary format that will be sent out the network upon connection. Within [] use binary decimal up to 255 or hex up to 0xFF.
initial send set <*text*>	Sets the host connect tunnel Initial Send text. <text> = ascii string that will be sent out the network upon connection.
no address	Removes the remote host address used to establish tunneling connections.
no aes decrypt key	Removes the connect tunnel AES decrypt key.
no aes encrypt key	Removes the connect tunnel AES encrypt key.
no credentials	Clears the RSA/DSA certificate selection.
no initial send	Removes the host connect tunnel Initial Send string.
no port	Removes the remote port used to establish tunnel connections.
no ssh username	Removes the SSH user name.
no tcp user timeout	Restores the default.
port <*number*>	Sets the remote port to use for connect mode tunneling. <number> = number of the port to use.
protocol ssh	Uses SSH protocol for connect mode tunneling.
protocol ssl	Uses SSL protocol for connect mode tunneling.
protocol tcp	Uses TCP protocol for connect mode tunneling.
protocol tcp aes	Uses TCP protocol with AES encryption for connect mode tunneling.
protocol telnet	Uses Telnet protocol (with IAC) for connect mode tunneling.
protocol udp	Uses UDP protocol for connect mode tunneling.
protocol udp aes	Uses UDP protocol with AES encryption for connect mode tunneling.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
ssh username <*text*>	Sets the SSH user name for use when establishing tunneling connections with other devices. <text> = SSH user name.
tcp keep alive idle time <*milliseconds*>	Sets the TCP keep alive idle time. This is the initial keep alive timeout. <milliseconds> = timer value, in milliseconds.
tcp keep alive interval <*milliseconds*>	Enables TCP keep alive for connect mode tunneling and sets the timer. <milliseconds> = timer value, in millisec-

	onds.
tcp keep alive probes <*number*>	Sets the number of TCP keep alive probes. <number> = number of TCP keep alive probes.
tcp user timeout <*milliseconds*>	Sets the timeout for TCP retransmissions. <milliseconds> = timeout value, in milliseconds.
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
host 9 (config-host:9) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Telnet).
default remote port	Sets the remote port (used to connect to the host) to the default value, which depends on the selected protocol.
exit	Exits to the configuration level.
host <*number*>	Change to config host level
name <*text*>	Sets the name of the host. <text> = name of the host.
no name	Clears the name of the host.
no remote address	Clears the remote address of the host.
no ssh username	Clears the SSH username associated with the host.
protocol ssh	Sets the protocol to SSH.
protocol telnet	Sets the protocol to Telnet.
remote address <*text*>	Sets the IP address of the remote host to connect to when this host is selected on the login connect menu. <text> = IP address.
remote port <*number*>	Sets the remote port used to connect to the host. <number> = port to be used.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
ssh username <*text*>	Sets the username for logging into the host via SSH. <text> = username.
write	Stores the current configuration in permanent memory.
http (config-http) level commands	
auth <*uri*>	Creates a new HTTP server authentication directive. <uri> = URI of the server.
auth type <*uri*> digest	Sets an HTTP server authentication directive to the Digest Access Authentication scheme. <uri> = URI of the server.
auth type <*uri*> none	Sets the authentication type for an HTTP server authentication directive to none. <uri> = URI of the server.
auth type <*uri*> ssl	Sets the authentication type for an HTTP server authentication directive to SSL. <uri> = URI of the server.
auth type <*uri*> ssl-basic	Sets the authentication type for an HTTP server authentication directive to SSL-Basic. <uri> = URI of the server.
auth type <*uri*> ssl-digest	Sets the authentication type for an HTTP server authentication directive to SSL-Digest. <uri> = URI of the server.
authentication timeout <*minutes*>	For any Digest AuthType, sets the timeout for authentication. <minutes> = authentication timeout value.

clear counters	Sets the HTTP counters to zero.
clear log	Clears the HTTP server log.
clrscrn	Clears the screen.
default authentication timeout	Resets the authentication timeout to its default value.
default log format	Restores the HTTP Server log format string to its default value.
default max bytes	Resets the maximum bytes to its default value.
default max log entries	Restores the default maximum number of HTTP Server log entries.
default max timeout	Resets the timeout to its default value.
default port	Resets the HTTP Server port to its default value.
default secure port	Resets the HTTP Server SSL port to its default value.
default secure protocols	Restores the default secure protocol selections.
delete auth *<uri>*	Deletes an existing HTTP Server authentication directive. <uri> = URI of the server.
exit	Returns to the config level.
log format *<text>*	Sets the log format string for the HTTP server, using the following directives: %a remote ip address (could be a proxy) %b bytes sent excluding headers %B bytes sent excluding headers (0 = '-') %h remote host (same as %a) %{h}i header contents from request (h = header string) %m request method %p ephemeral local port value used for request %q query string (prepend with '?' or empty '-') %t timestamp HH:MM:SS (same as Apache '%(%H:%M:%S)t') %u remote user (could be bogus for 401 status) %U URL path info %r first line of request (same as '%m %U%q <version>') %s return status
logging state disable	Disables HTTP server logging.
logging state enable	Enables HTTP server logging.
max bytes *<number>*	Sets the maximum number of bytes the HTTP server accepts when receiving a request.
max log entries *<number>*	Sets the maximum number of HTTP server log entries. <number> = maximum number of HTTP server log entries.
max timeout *<seconds>*	Sets the maximum time the HTTP server waits when receiving a request. <seconds> = maximum timeout value.
no clear counters	Restores the HTTP counters to the aggregate values.
no port	Disables the HTTP Server port.
no secure credentials	Clears the RSA/DSA certificate selection.
no secure port	Disables the HTTP Server SSL port.
port *<number>*	Sets the port number the HTTP server will use. <number> = port number.
secure credentials *<text>*	Selects the RSA/DSA certificates by name for the HTTP server.
secure port *<number>*	Sets the port number the HTTP server will use over SSL. <number> = port number.
secure protocols ssl3 disable	Disables the protocol.
secure protocols ssl3 enable	Enables the protocol.
secure protocols tls1.0 disable	Disables the protocol.
secure protocols tls1.0 enable	Enables the protocol.

secure protocols tls1.1 disable	Disables the protocol.
secure protocols tls1.1 enable	Enables the protocol.
show	Displays the current configuration.
show auth	Displays the HTTP server authentication settings.
show history	Displays the last 20 commands entered during the current CLI session.
show log	Displays the HTTP server log.
show statistics	Displays the HTTP statistics.
state disable	Disables the HTTP server.
state enable	Enables the HTTP server.
write	Stores the current configuration in permanent memory.
http post (config-action-http_post:wlan0 link state change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
http post (config-action-http_post:on scheduled reboot) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
http post (config-action-http_post:main power change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the

	next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
http post (config-action-http_post:eth0 link state change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
http post (config-action-http_post:device temperature change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.

http post (config-action-http_post:backup power change) level commands	
clrscrn	Clears the screen.
connection <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
default mode	Sets default of simultaneous connection mode.
exit	Exits to the next higher level.
mode sequential	Sets sequential mode; will stop after first connection that goes through.
mode simultaneous	Sets simultaneous mode; will make all possible connections.
no reminder interval	Clears the HTTP Post reminder interval. HTTP Post is sent once only.
reminder interval <*minutes*>	Sets the HTTP Post reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
icmp (config-icmp) level commands	
clrscrn	Clears the screen.
exit	Exits to the configuration level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Prevents ICMP packets from being sent or received.
state enable	Allows ICMP packets to be sent and received.
write	Stores the current configuration in permanent memory.
if 1 (config-if:eth0) level commands	
bootp disable	Disables BOOTP.
bootp enable	Enables BOOTP.
clrscrn	Clears the screen.
default gateway <*IP address*>	Sets the configurable gateway IP address to the default value.
default mtu	Restores the default Maximum Transmission Unit (MTU) size.
default priority	Restores the default priority for the interface.
dhcp client id <*text*>	Sets the DHCP client ID.
dhcp disable	Disables DHCP.
dhcp enable	Enables DHCP.
domain <*text*>	Sets the domain name. <text> = name of the domain.
exit	Exits to the config level.
failover	Enter failover configuration level
hostname <*text*>	Sets the host name. <text> = name of the host.
if <*instance*>	Changes to the interface configuration level.
ip address <*ip address/cidr*>	Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask)
ipv4 state disable	Disables IPv4.

ipv4 state enable	Enables IPv4.
ipv6 address <*ip address/prefix_length*>	Sets the IPv6 address and prefix. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
ipv6 dhcp disable	Disables IPv6 DHCP.
ipv6 dhcp enable	Enables IPv6 DHCP.
ipv6 domain <*text*>	Sets the IPv6 domain name. <text> = name of the domain.
ipv6 primary dns <*IP address*>	Sets the IPv6 address of the primary DNS server.
ipv6 secondary dns <*IP address*>	Sets the IPv6 address of the secondary DNS server.
ipv6 state disable	Disables IPv6.
ipv6 state enable	Enables IPv6.
link	Enter link configuration level
mtu <*bytes*>	Sets the Maximum Transmission Unit (MTU) size.
no default gateway	Clears the default gateway.
no dhcp client id	Clears the DHCP client ID.
no domain	Clears the domain name.
no hostname	Clears the host name.
no ip address	Clears the IP address.
no ipv6 address	Clears the IPv6 address.
no ipv6 default gateway	Clears the IPv6 default gateway.
no ipv6 domain	Clears the IPv6 domain name.
no ipv6 primary dns	Clears the IPv6 primary DNS server.
no ipv6 secondary dns	Clears the IPv6 secondary DNS server.
no primary dns	Clears the name of the primary DNS server.
no secondary dns	Clears the name of the secondary DNS server.
primary dns <*IP address*>	Sets the IP address of the primary DNS server.
priority <*number*>	Sets the priority for interface. <number> = priority number.
qos	Enter QoS configuration level
secondary dns <*IP address*>	Sets the IP address of the secondary DNS server.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show interface status
state disable	Disables the interface.
state enable	Enables the interface.
write	Stores the current configuration in permanent memory.
if 2 (config-if:wlan0) level commands	
bootp disable	Disables BOOTP.
bootp enable	Enables BOOTP.
clrscrn	Clears the screen.
default gateway <*IP address*>	Sets the configurable gateway IP address to the default value.
default mtu	Restores the default Maximum Transmission Unit (MTU) size.
default priority	Restores the default priority for the interface.
dhcp client id <*text*>	Sets the DHCP client ID.

dhcp disable	Disables DHCP.
dhcp enable	Enables DHCP.
domain *<text>*	Sets the domain name. <text> = name of the domain.
exit	Exits to the config level.
failover	Enter failover configuration level
hostname *<text>*	Sets the host name. <text> = name of the host.
if *<instance>*	Changes to the interface configuration level.
ip address *<ip address/cidr>*	Sets the IP address and network mask. Formats accepted: 192.168.1.1 (default mask) 192.168.1.1/24 (CIDR) "192.168.1.1 255.255.255.0" (explicit mask)
ipv4 state disable	Disables IPv4.
ipv4 state enable	Enables IPv4.
ipv6 address *<ip address/prefix_length>*	Sets the IPv6 address and prefix. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
ipv6 dhcp disable	Disables IPv6 DHCP.
ipv6 dhcp enable	Enables IPv6 DHCP.
ipv6 domain *<text>*	Sets the IPv6 domain name. <text> = name of the domain.
ipv6 primary dns *<IP address>*	Sets the IPv6 address of the primary DNS server.
ipv6 secondary dns *<IP address>*	Sets the IPv6 address of the secondary DNS server.
ipv6 state disable	Disables IPv6.
ipv6 state enable	Enables IPv6.
link	Enter link configuration level
mtu *<bytes>*	Sets the Maximum Transmission Unit (MTU) size.
no default gateway	Clears the default gateway.
no dhcp client id	Clears the DHCP client ID.
no domain	Clears the domain name.
no hostname	Clears the host name.
no ip address	Clears the IP address.
no ipv6 address	Clears the IPv6 address.
no ipv6 default gateway	Clears the IPv6 default gateway.
no ipv6 domain	Clears the IPv6 domain name.
no ipv6 primary dns	Clears the IPv6 primary DNS server.
no ipv6 secondary dns	Clears the IPv6 secondary DNS server.
no primary dns	Clears the name of the primary DNS server.
no secondary dns	Clears the name of the secondary DNS server.
primary dns *<IP address>*	Sets the IP address of the primary DNS server.
priority *<number>*	Sets the priority for interface. <number> = priority number.
qos	Enter QoS configuration level
secondary dns *<IP address>*	Sets the IP address of the secondary DNS server.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Show interface status
state disable	Disables the interface.
state enable	Enables the interface.

write	Stores the current configuration in permanent memory.
ip (config-ip) level commands	
clrscrn	Clears the screen.
default ip time to live	Restores the default IP time to live.
default multicast time to live	Restores the default IP multicast time to live, which is one hop.
exit	Exits to the configuration level.
ip time to live *<hops>*	Sets the IP time to live, known by SNMP as "ipDefaultTTL". <hops> = number of hops that a typical IP packet is allowed to live.
multicast time to live *<hops>*	Sets the IP multicast time to live. <hops> = number of hops that a multicast IP packet is allowed to live.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
key 1 (config-profile-security-wep-key:default_adhoc_profile:1) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
key *<hexadecimal>*	Sets key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
key text *<text>*	Sets key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
no key	Removes key.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
key 2 (config-profile-security-wep-key:default_adhoc_profile:2) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
key *<hexadecimal>*	Sets key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
key text *<text>*	Sets key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
no key	Removes key.
show	Shows the current configuration.

show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
key 3 (config-profile-security-wep-key:default_adhoc_profile:3) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
key *<hexadecimal>*	Sets key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
key text *<text>*	Sets key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
no key	Removes key.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
key 4 (config-profile-security-wep-key:default_adhoc_profile:4) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
key *<hexadecimal>*	Sets key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
key text *<text>*	Sets key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
no key	Removes key.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
line 1 (line:1) level commands	
auto show statistics	Continuously displays line statistics.
baud rate *<bits per second>*	Sets the line speed. <bits per second> = the speed. Standard speeds include 1200, 2400, 4800, 9600, 19200, and so on.
clear line counters	Sets the serial counters to zero.
clrscrn	Clears the screen.
command mode always	Sets the current line to always be in command mode.
command mode echo serial string disable	Disables user-defined serial boot string to be echoed in the CLI.

command mode echo serial string enable	Enables user-defined serial boot string to be echoed in the CLI.
command mode serial string	Enables user to enter a custom string at boot time to enter command mode.
command mode serial string <*string*>	Sets a string that can be entered at boot time to enter command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. Within {} specify decimal milliseconds time delay.
command mode signon message <*string*>	Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF.
command mode wait time <*milliseconds*>	Sets boot-up wait time for command mode serial string. <milliseconds> = wait time.
configure current settings	Configures line with the current value of settings.
data bits 7	Uses seven bits for data on the line.
data bits 8	Uses eight bits for data on the line.
default baud rate	Restores the default speed of 9600 bits per second.
default data bits	Restores the default of eight data bits.
default flow control	Restores the default of no flow control.
default interface	Restores the default interface type to this line.
default parity	Restores the default of no parity.
default protocol	Restores the default protocol on the line.
default stop bits	Restores the default of one stop bit.
default threshold	Restores the factory default threshold.
default xoff char	Restores the default xoff character on this line.
default xon char	Restores the default xon character on this line.
exit	Exits to the enable level
flow control hardware	Uses hardware (RTS/CTS) flow control on the line.
flow control none	Does not provide flow control on the line.
flow control software	Uses software (xon/xoff characters) flow control on the line.
gap timer <*milliseconds*>	Sets the gap timer in milliseconds. If some data has been received, it will be forwarded after this time since the last character.
interface rs232	Sets the line interface to RS232.
interface rs485 full-duplex	Sets the line interface to RS485 in full-duplex mode.
interface rs485 half-duplex	Sets the line interface to RS485 in half-duplex mode.
kill session	Kills command mode session on the Line
line <*line*>	Enters the line level. <line> = number of the line (serial port) to be configured.
name <*text*>	Sets the name for this line.
no clear line counters	Restores the serial counters to the aggregate values.
no command mode	Disables command mode for the current line.
no command mode signon message	Clears the signon message displayed at boot time and when entering command mode.
no gap timer	Removes the gap timer, so forwarding depends on the line speed.

no name	Removes the name of this line.
parity even	Uses a parity bit on the line for even parity.
parity none	Does not use a parity bit on the line.
parity odd	Uses a parity bit on the line for odd parity.
protocol modbus ascii	Applies Modbus ASCII protocol on the line.
protocol modbus rtu	Applies Modbus RTU protocol on the line.
protocol none	Uses no protocol on the line.
protocol tunnel	Applies tunnel protocol on the line.
reassert	Asserts line status with current configured values.
show	Displays the current status.
show command mode	Shows the command mode settings for the current line.
show history	Displays the last 20 commands entered during the current CLI session.
show line	Displays the current configuration.
show statistics	Shows the line statistics.
state disable	Disables the line so data cannot be sent/received.
state enable	Enables the line so data can be sent/received.
stop bits 1	Uses one stop bit after data on the line.
stop bits 2	Uses two stop bits after data on the line.
terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
termination disable	Refrains from terminating the line.
termination enable	Enables 120 ohm line termination in RS485 half-duplex mode.
threshold <*bytes*>	Sets the threshold in bytes. After this many bytes are received, they are forwarded without delay.
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
xoff char <*control*>	Sets the xoff character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
xon char <*control*>	Sets the xon character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
line 2 (line:2) level commands	
auto show statistics	Continuously displays line statistics.
baud rate <*bits per second*>	Sets the line speed. <bits per second> = the speed. Standard speeds include 1200, 2400, 4800, 9600, 19200, and so on.
clear line counters	Sets the serial counters to zero.
clrscrn	Clears the screen.
command mode always	Sets the current line to always be in command mode.
command mode echo serial string disable	Disables user-defined serial boot string to be echoed in

	the CLI.
command mode echo serial string enable	Enables user-defined serial boot string to be echoed in the CLI.
command mode serial string	Enables user to enter a custom string at boot time to enter command mode.
command mode serial string <*string*>	Sets a string that can be entered at boot time to enter command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF. Within {} specify decimal milliseconds time delay.
command mode signon message <*string*>	Sets a sign-on message that is sent from the serial port when the device boots and when the line is in command mode. <string> = text with possible binary characters. Within [] use binary decimal up to 255 or hex up to 0xFF.
command mode wait time <*milliseconds*>	Sets boot-up wait time for command mode serial string. <milliseconds> = wait time.
configure current settings	Configures line with the current value of settings.
data bits 7	Uses seven bits for data on the line.
data bits 8	Uses eight bits for data on the line.
default baud rate	Restores the default speed of 9600 bits per second.
default data bits	Restores the default of eight data bits.
default flow control	Restores the default of no flow control.
default interface	Restores the default interface type to this line.
default parity	Restores the default of no parity.
default protocol	Restores the default protocol on the line.
default stop bits	Restores the default of one stop bit.
default threshold	Restores the factory default threshold.
default xoff char	Restores the default xoff character on this line.
default xon char	Restores the default xon character on this line.
exit	Exits to the enable level
flow control hardware	Uses hardware (RTS/CTS) flow control on the line.
flow control none	Does not provide flow control on the line.
flow control software	Uses software (xon/xoff characters) flow control on the line.
gap timer <*milliseconds*>	Sets the gap timer in milliseconds. If some data has been received, it will be forwarded after this time since the last character.
interface rs232	Sets the line interface to RS232.
interface rs485 full-duplex	Sets the line interface to RS485 in full-duplex mode.
interface rs485 half-duplex	Sets the line interface to RS485 in half-duplex mode.
kill session	Kills command mode session on the Line
line <*line*>	Enters the line level. <line> = number of the line (serial port) to be configured.
name <*text*>	Sets the name for this line.
no clear line counters	Restores the serial counters to the aggregate values.
no command mode	Disables command mode for the current line.
no command mode signon message	Clears the signon message displayed at boot time and when entering command mode.
no gap timer	Removes the gap timer, so forwarding depends on the

	line speed.
no name	Removes the name of this line.
parity even	Uses a parity bit on the line for even parity.
parity none	Does not use a parity bit on the line.
parity odd	Uses a parity bit on the line for odd parity.
protocol modbus ascii	Applies Modbus ASCII protocol on the line.
protocol modbus rtu	Applies Modbus RTU protocol on the line.
protocol none	Uses no protocol on the line.
protocol tunnel	Applies tunnel protocol on the line.
reassert	Asserts line status with current configured values.
show	Displays the current status.
show command mode	Shows the command mode settings for the current line.
show history	Displays the last 20 commands entered during the current CLI session.
show line	Displays the current configuration.
show statistics	Shows the line statistics.
state disable	Disables the line so data cannot be sent/received.
state enable	Enables the line so data can be sent/received.
stop bits 1	Uses one stop bit after data on the line.
stop bits 2	Uses two stop bits after data on the line.
terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
termination disable	Refrains from terminating the line.
termination enable	Enables 120 ohm line termination in RS485 half-duplex mode.
threshold <*bytes*>	Sets the threshold in bytes. After this many bytes are received, they are forwarded without delay.
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
xoff char <*control*>	Sets the xoff character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
xon char <*control*>	Sets the xon character for use with software flow control on this line. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
link (config-wlan:wlan0) level commands	
active channel scan time <*milliseconds*>	Sets the active channel scan time in milliseconds.
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
cancel wps	Cancels wi-fi protected setup operation.
choice <*instance*>	Enters the next lower level. Specify the instance for the next lower level.

clrscrn	Clears the screen.
debugging level debug	Sets the WLAN debugging level to Debug.
debugging level dump	Sets the WLAN debugging level to Dump, the most verbose option.
debugging level error	Sets the WLAN debugging level to Error, which shows only errors.
debugging level info	Sets the WLAN debugging level to Info.
debugging level warning	Sets the WLAN debugging level to Warning.
default active channel scan time	Restores the default active channel scan time.
default debugging level	Sets the WLAN debugging level to its default value, Info.
default out of range scan interval	Restores the default value to the out-of-range scan interval (30 sec).
default passive channel scan time	Restores the default passive channel scan time.
default radio band selection	Sets the radio band selection to its default value, Dual.
default rssi delta	Restores the RSSI delta value to the default value (24 dBm).
exit	Exit back to interface configuration level
out of range scan interval <*seconds*>	This setting determines the interval (in seconds) between scans for access points to which the unit might roam. This setting only applies when roaming is enabled. NOTE: The more frequent the scans, the greater the impact on data throughput.
passive channel scan time <*milliseconds*>	Sets the passive channel scan time in milliseconds.
radio band selection 2.4 ghz only	Sets the radio band selection to 2.4 GHz Only.
radio band selection 5 ghz only	Sets the radio band selection to 5 GHz Only.
radio band selection dual	Sets the radio band selection to Dual.
roam status	Show roaming status
roaming disable	Disables roaming.
roaming enable	Enables roaming to other Access Points with the same SSID.
rssi delta <*dBm*>	Sets the RSSI delta value.
scan <*ssid*>	Scan the radio environment for networks.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show wps information	Show the configuration received by wi-fi protected setup.
show wps information with secrets	Show the configuration received by wi-fi protected setup with secrets.
show wps status	Show status of WPS operation.
start wps	Starts wi-fi protected setup operation.
status	Show link status
wlan watchdog disable	Disables the WLAN Watchdog.
wlan watchdog enable	Enables the WLAN Watchdog.
write	Stores the current configuration in permanent memory.
link (config-ethernet:eth0) level commands	
clrscrn	Clears the screen.
default duplex	Restores the default duplex setting, which is auto.
default speed	Restores the default speed setting, which is auto-

	negotiate.
duplex auto	Sets duplex mode to auto.
duplex full	Sets duplex mode to full.
duplex half	Sets duplex mode to half.
exit	Exit back to interface configuration level
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
speed 10	Sets the speed of the Ethernet link to 10 Mbps.
speed 100	Sets the speed of the Ethernet link to 100 Mbps.
speed auto	Sets the speed of the Ethernet link to auto-negotiate.
write	Stores the current configuration in permanent memory.
log (config-diagnostics-log) level commands	
clrscrn	Clears the screen.
default max length	Restores the factory default maximum Log file size.
default output	Restores the default log output, which is disable.
exit	Exits to the next higher level.
max length *<Kbytes>*	Sets the maximum size in Kbytes for the Log file.
output disable	Disables log output.
output filesystem	Enables log to filesystem.
output line *<number>*	Enables log to serial line.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 1 (config-mac_filter:1) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address *<hexadecimal>*	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter *<number>*	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 2 (config-mac_filter:2) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).

exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 3 (config-mac_filter:3) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 4 (config-mac_filter:4) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 5 (config-mac_filter:5) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.

clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 6 (config-mac_filter:6) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 7 (config-mac_filter:7) level commands	
action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
mac address filter 8 (config-mac_filter:8) level commands	

action accept	Sets the action to ACCEPT.
action drop	Sets the action to DROP.
clrscrn	Clears the screen.
default action	Restores the default value of action (ACCEPT).
exit	Exits to the config-gateway level.
mac address <*hexadecimal*>	Sets the filter MAC Address. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
mac address filter <*number*>	Change to config mac filter level.
no mac address	Removes the filter MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
main power change (config-action:main power change) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay <*seconds*>	Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.
mass storage (filesystem-mass_storage) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
usb auto mount disable	Disables automatic mount of connected USB drives.
usb auto mount enable	Enables automatic mount of connected USB drives.
write	Stores the current configuration in permanent memory.
modbus (modbus) level commands	
additional port <*number*>	Sets an additional TCP server port.
clrscrn	Clears the screen.
default response timeout	Restores the default Modbus Response Timeout.
exit	Exits to the config level.
kill connection <*index*>	Kills modbus connection selected by index from show connections.

no additional port	Removes the additional TCP server port.
response timeout <*milliseconds*>	Sets the Modbus Response Timeout in milliseconds.
rss	Enters the next lower level.
show	Displays the current configuration.
show connections	Displays connections.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays statistics.
tcp server state disable	Disables the Modbus TCP Server.
tcp server state enable	Enables the Modbus TCP Server.
write	Stores the current configuration in permanent memory.
modem (tunnel-modem:2) level commands	
clrscrn	Clears the screen.
connect string <*text*>	Sets the CONNECT string used in modem emulation. <string> = connect string.
default incoming connection	Default disables incoming network connections.
default response type	Default uses text type responses.
display remote ip disable	The incoming RING has nothing following it.
display remote ip enable	The incoming RING is followed by the IP address of the caller.
echo commands disable	Does not echo modem commands.
echo commands enable	Echoes modem commands.
echo pluses disable	Does not echo the +++ characters when entering modem command mode.
echo pluses enable	Echoes the +++ characters when entering modem command mode.
error unknown commands disable	Returns OK on unknown AT commands.
error unknown commands enable	Returns an error upon unknown AT commands.
exit	Returns to the tunnel level.
incoming connection automatic	Automatically answer incoming network connections.
incoming connection disabled	Disable incoming network connections.
incoming connection manual	Wait for an ATA command before answering an incoming network connection.
no connect string	Removes optional CONNECT string information for modem emulation.
reassert	Asserts tunnel modem status with current configured values.
response type numeric	Uses numeric type responses.
response type text	Uses text type responses.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel modem status.
verbose response disable	Does not send Modem Response Codes.
verbose response enable	Sends Modem Response Codes out on the Serial Line.
write	Stores the current configuration in permanent memory.
modem (tunnel-modem:1) level commands	

clrscrn	Clears the screen.
connect string *<text>*	Sets the CONNECT string used in modem emulation. <string> = connect string.
default incoming connection	Default disables incoming network connections.
default response type	Default uses text type responses.
display remote ip disable	The incoming RING has nothing following it.
display remote ip enable	The incoming RING is followed by the IP address of the caller.
echo commands disable	Does not echo modem commands.
echo commands enable	Echoes modem commands.
echo pluses disable	Does not echo the +++ characters when entering modem command mode.
echo pluses enable	Echoes the +++ characters when entering modem command mode.
error unknown commands disable	Returns OK on unknown AT commands.
error unknown commands enable	Returns an error upon unknown AT commands.
exit	Returns to the tunnel level.
incoming connection automatic	Automatically answer incoming network connections.
incoming connection disabled	Disable incoming network connections.
incoming connection manual	Wait for an ATA command before answering an incoming network connection.
no connect string	Removes optional CONNECT string information for modem emulation.
reassert	Asserts tunnel modem status with current configured values.
response type numeric	Uses numeric type responses.
response type text	Uses text type responses.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays tunnel modem status.
verbose response disable	Does not send Modem Response Codes.
verbose response enable	Sends Modem Response Codes out on the Serial Line.
write	Stores the current configuration in permanent memory.
ntp (config-clock-ntp) level commands	
clrscrn	Clears the screen.
default server	Restores the default NTP server address.
exit	Exits to the next higher level.
server *<text>*	Sets the NTP server address.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
on scheduled reboot (config-action:on scheduled reboot) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay *<seconds>*	Sets the delay in processing the alarm. Alarm actions will

	not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.
packing (tunnel-packing:2) level commands	
clrscrn	Clears the screen.
default packing mode	Sets to default packing mode, which is "Disable"
default send character	Removes the send character for packing mode.
default threshold	Restores the default threshold.
default timeout	Restores the default packing mode timeout.
exit	Returns to the tunnel level.
no trailing character	Removes the trailing character for packing mode.
packing mode disable	Disables packing. Data is sent to the network when received.
packing mode send character	Sets packing mode to accumulate data and transmit it upon receiving the configured send character on the line (serial port).
packing mode timeout	Sets packing mode to accumulate data and transmit it after a specified amount of time (timeout).
send character <*control*>	Sets the send character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
threshold <*bytes*>	Sets the threshold (byte count). If the queued data reaches this threshold then the data will be sent. <bytes> = number of bytes in the threshold.
timeout <*milliseconds*>	Sets the timeout value for packing mode in milliseconds. <milliseconds> = timeout value, in milliseconds.
trailing character <*control*>	Sets the trailing character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
write	Stores the current configuration in permanent memory.
packing (tunnel-packing:1) level commands	
clrscrn	Clears the screen.
default packing mode	Sets to default packing mode, which is "Disable"
default send character	Removes the send character for packing mode.

default threshold	Restores the default threshold.
default timeout	Restores the default packing mode timeout.
exit	Returns to the tunnel level.
no trailing character	Removes the trailing character for packing mode.
packing mode disable	Disables packing. Data is sent to the network when received.
packing mode send character	Sets packing mode to accumulate data and transmit it upon receiving the configured send character on the line (serial port).
packing mode timeout	Sets packing mode to accumulate data and transmit it after a specified amount of time (timeout).
send character *<control>*	Sets the send character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
threshold *<bytes>*	Sets the threshold (byte count). If the queued data reaches this threshold then the data will be sent. <bytes> = number of bytes in the threshold.
timeout *<milliseconds>*	Sets the timeout value for packing mode in milliseconds. <milliseconds> = timeout value, in milliseconds.
trailing character *<control>*	Sets the trailing character for packing mode. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
write	Stores the current configuration in permanent memory.
password (tunnel-accept-password:2) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no password	Removes the password so connections will be accepted unchallenged.
password *<text>*	Sets the password required on the network side of the tunnel to begin a connection.
prompt disable	Inhibits any prompting for password on the network side of the tunnel.
prompt enable	Sets up so a user on the network side of the tunnel will be prompted for a password.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
password (tunnel-accept-password:1) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no password	Removes the password so connections will be accepted unchallenged.
password *<text>*	Sets the password required on the network side of the

	tunnel to begin a connection.
prompt disable	Inhibits any prompting for password on the network side of the tunnel.
prompt enable	Sets up so a user on the network side of the tunnel will be prompted for a password.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
port forwarding rule 1 (config-portforwarding:1) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 2 (config-portforwarding:2) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.

ip address <*IP address*>	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule <*number*>	Change to config gateway port forwarding level.
port or range <*text*>	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port <*text*>	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 3 (config-portforwarding:3) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name <*text*>	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address <*IP address*>	Sets the original WAN destination IP address for port forwarding rule.
ip address <*IP address*>	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule <*number*>	Change to config gateway port forwarding level.
port or range <*text*>	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 4 (config-portforwarding:4) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 5 (config-portforwarding:5) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.

no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 6 (config-portforwarding:6) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.

target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 7 (config-portforwarding:7) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
port forwarding rule 8 (config-portforwarding:8) level commands	
clrscrn	Clears the screen.
default protocol	Restores the default value of the protocol (Both).
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for port forwarding rule <text> = friendly name
ingress ip address *<IP address>*	Sets the original WAN destination IP address for port forwarding rule.
ip address *<IP address>*	Sets the LAN destination IP address for port forwarding rule.
no friendly name	Remove the friendly name.
no ingress ip address	Clears the original WAN destination IP address for port forwarding rule.
no ip address	Clears the LAN destination IP address for port forwarding

	rule.
no port or range	Clears the WAN port or range for port forwarding rule.
no target port	Clears the LAN destination port for port forwarding rule.
port forwarding rule *<number>*	Change to config gateway port forwarding level.
port or range *<text>*	Sets the WAN port or range for port forwarding rule. <text> = port or range.
protocol both	Sets the protocol to Both (TCP and UDP).
protocol tcp	Sets the protocol to TCP.
protocol udp	Sets the protocol to UDP.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the port forwarding rule.
state enable	Enables the port forwarding rule.
target port *<text>*	Sets the LAN destination port for port forwarding rule. <text> = port.
write	Stores the current configuration in permanent memory.
python 1 (config-applications-python:1) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
filename *<text>*	Sets the script path.
no filename	Clear the script path.
no output	Clear the script output path.
no parameters	Clear the script parameters.
onshutdown disable	Do not run the script on shutdown.
onshutdown enable	Run the script on shutdown.
onstart disable	Do not run the script on startup.
onstart enable	Run the script on startup.
output *<text>*	Sets the script output path.
parameters *<text>*	Sets the script parameters.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables script.
state enable	Enables script.
write	Stores the current configuration in permanent memory.
python 2 (config-applications-python:2) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
filename *<text>*	Sets the script path.
no filename	Clear the script path.
no output	Clear the script output path.
no parameters	Clear the script parameters.
onshutdown disable	Do not run the script on shutdown.
onshutdown enable	Run the script on shutdown.
onstart disable	Do not run the script on startup.

onstart enable	Run the script on startup.
output *<text>*	Sets the script output path.
parameters *<text>*	Sets the script parameters.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables script.
state enable	Enables script.
write	Stores the current configuration in permanent memory.
python 3 (config-applications-python:3) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
filename *<text>*	Sets the script path.
no filename	Clear the script path.
no output	Clear the script output path.
no parameters	Clear the script parameters.
onshutdown disable	Do not run the script on shutdown.
onshutdown enable	Run the script on shutdown.
onstart disable	Do not run the script on startup.
onstart enable	Run the script on startup.
output *<text>*	Sets the script output path.
parameters *<text>*	Sets the script parameters.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables script.
state enable	Enables script.
write	Stores the current configuration in permanent memory.
python 4 (config-applications-python:4) level commands	
clrscrn	Clears the screen.
exit	Exits to the next higher level.
filename *<text>*	Sets the script path.
no filename	Clear the script path.
no output	Clear the script output path.
no parameters	Clear the script parameters.
onshutdown disable	Do not run the script on shutdown.
onshutdown enable	Run the script on shutdown.
onstart disable	Do not run the script on startup.
onstart enable	Run the script on startup.
output *<text>*	Sets the script output path.
parameters *<text>*	Sets the script parameters.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables script.

state enable	Enables script.
write	Stores the current configuration in permanent memory.
qos (config-wlan-qos:wlan0) level commands	
clrscrn	Clears the screen.
default uplink data speed	Restores the default uplink speed.
exit	Exit back to interface configuration level
filter <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
import filters disable	Do not import QoS filters from other interfaces.
import filters enable	Import QoS filters from other interfaces.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays the current status
state disable	Disables QoS.
state enable	Enables QoS.
uplink data speed <*floating point number*>	Sets the maximum uplink speed in kbps.
write	Stores the current configuration in permanent memory.
qos (config-ethernet-qos:eth0) level commands	
clrscrn	Clears the screen.
default uplink data speed	Restores the default uplink speed.
exit	Exit back to interface configuration level
filter <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
import filters disable	Do not import QoS filters from other interfaces.
import filters enable	Import QoS filters from other interfaces.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays the current status
state disable	Disables QoS.
state enable	Enables QoS.
uplink data speed <*floating point number*>	Sets the maximum uplink speed in kbps.
write	Stores the current configuration in permanent memory.
reboot schedule (device-reboot-schedule) level commands	
clrscrn	Clears the screen.
default hours	Restores the default hour of day for reboot schedule time.
default interval	Restores the default schedule interval.
default minutes	Restores the default minutes on the hour for reboot schedule.
default schedule	Restores the default reboot schedule type.
default unit	Restores the default reboot schedule interval unit.
exit	Returns to the previous level.
hours <*hours*>	Sets the hour of day for reboot schedule (Use 24h time).
interval <*number*>	Sets the reboot schedule interval
minutes <*minutes*>	Sets the minutes on the hour for reboot schedule.

schedule daily	Sets the reboot schedule type to 'daily'.
schedule interval	Sets the reboot schedule type to 'interval'.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables scheduled reboots.
state enable	Enables scheduled reboots.
unit days	Sets the reboot schedule interval to days.
unit hours	Sets the reboot schedule interval to hours.
unit months	Sets the reboot schedule interval to months.
unit weeks	Sets the reboot schedule interval to weeks.
write	Stores the current configuration in permanent memory.
root level commands	
clrscrn	Clears the screen.
enable	Enters the enable level.
exit	Exit from the system
iperf *<params>*	Run iperf with command line parameters passed in quoted string.
ping *<host>*	Ping destination continuously with 5 second timeout
ping *<host> <count>*	Ping destination n times with 5 second timeout
ping *<host> <count> <timeout>*	Ping destination n times with x timeout (in seconds)
ping6 *<host>*	Ping IPv6 destination continuously with 5 second timeout
ping6 *<host> <count>*	Ping IPv6 destination n times with 5 second timeout
ping6 *<host> <count> <timeout>*	Ping IPv6 destination n times with x timeout (in seconds)
show	Show system information
show history	Displays the last 20 commands entered during the current CLI session.
trace route *<host>*	Trace route to destination
trace route *<host> <protocol>*	Trace route to destination using TCP, ICMP, or UDP
rss (config-rss) level commands	
clear rss	Clear the RSS Feed data
clrscrn	Clears the screen.
default max entries	Restores the default number of RSS feed entries.
exit	Exits to the configuration level.
feed disable	Disables RSS feed.
feed enable	Enables RSS feed.
max entries *<number>*	Sets the maximum number of RSS feed entries.
persist disable	Disables RSS feed data persistence.
persist enable	Enables RSS feed data persistence.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Display the RSS Feed status
write	Stores the current configuration in permanent memory.
rss (modbus-rss) level commands	
clrscrn	Clears the screen.

exit	Exits to the next higher level.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
trace input disable	Disables RSS trace of Modbus PDUs received on the serial line.
trace input enable	Enables RSS trace of Modbus PDUs received on the serial line.
write	Stores the current configuration in permanent memory.
security (config-profile-security:default_adhoc_profile) level commands	
advanced	Switch to advanced level
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
basic	Switch to basic level
clrscrn	Clears the screen.
default key type	Restores the key type to the default value (passphrase).
default suite	Restores the security method (suite) to the default value (None).
exit	Exit to the profiles level
key type hex	Sets the key type to hex.
key type passphrase	Sets the key type to passphrase.
no passphrase	Removes the passphrase.
passphrase *<text>*	Sets the passphrase. Maximum 63 characters. <text> = put quotes around characters that make up the passphrase. Please refer to the other equipment's manual to determine the passphrase input style recommended. NOTE: Lantronix recommends using a passphrase of 20 characters or more for maximum security. Spaces and punctuation characters are permitted.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
suite none	Sets the security suite to None.
suite wep	Sets the security suite to WEP.
suite wpa	Sets the security suite to WPA.
suite wpa2	Sets the security suite to WPA2.
wep	Enters the next lower level.
wpax	Enters the next lower level.
write	Stores the current configuration in permanent memory.
serial (tunnel-serial:2) level commands	
clrscrn	Clears the screen.
default dtr	Restores default DTR control, asserted while connected.
dtr asserted while connected	Asserts DTR whenever a connect or accept mode tunnel connection is active.
dtr continuously asserted	Asserts DTR regardless of any connections.
dtr truport	Asserts DTR to match remote DSR when connected via Telnet.
dtr unasserted	Does not assert DTR.

exit	Returns to the tunnel level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
serial (tunnel-serial:1) level commands	
clrscrn	Clears the screen.
default dtr	Restores default DTR control, asserted while connected.
dtr asserted while connected	Asserts DTR whenever a connect or accept mode tunnel connection is active.
dtr continuously asserted	Asserts DTR regardless of any connections.
dtr truport	Asserts DTR to match remote DSR when connected via Telnet.
dtr unasserted	Does not assert DTR.
exit	Returns to the tunnel level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
server (ssh-server) level commands	
authorized user *<username> <password>*	Sets authorized username, password, and optionally RSA and/or DSA public keys
clrscrn	Clears the screen.
delete all authorized users	Removes all authorized users
delete authorized user *<username>*	Remove an authorized user
exit	Exits to the ssh level.
host generate dsa 1024	Generate DSA public and private keys
host generate dsa 512	Generate DSA public and private keys
host generate dsa 768	Generate DSA public and private keys
host generate rsa 1024	Generate RSA public and private keys
host generate rsa 512	Generate RSA public and private keys
host generate rsa 768	Generate RSA public and private keys
host keys	Sets RSA or DSA public and/or private keys
no host dsa	Removes DSA public and private keys
no host rsa	Removes RSA public and private keys
show	Show SSH Server settings
show authorized user *<username>*	Show information for an authorized user
show history	Displays the last 20 commands entered during the current CLI session.
show host dsa	Show full DSA public key
show host rsa	Show full RSA public key
write	Stores the current configuration in permanent memory.
smtp (config-smtp) level commands	
clrscrn	Clears the screen.
default server port	Restores the SMTP server port to its default.
exit	Exits to the configuration level.

from address <*text*>	Sets the From address for email alerts. <text> = email address to place in the From field of the email alert.
no from address	Removes the From address for email alerts.
no overriding domain	Removes the overriding domain name option.
no password	Removes the password.
no server address	Removes the SMTP server address.
no username	Removes the username.
overriding domain <*text*>	Sets a domain name that will be used when connecting to an SMTP server to send an email alert instead of the device's domain name in EHLO. <text> = domain name to override the current domain name in EHLO.
password <*text*>	Sets the password for logging in to the mail server.
server address <*text*>	Sets an SMTP server address to direct all outbound email messages through a mail server.
server port <*number*>	Sets the SMTP server port.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets the username for logging in to the mail server.
write	Stores the current configuration in permanent memory.
snmp (config-snmp) level commands	
clrscrn	Clears the screen.
exit	Returns to the config level.
no system location	Clears the SNMP system location.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays the SNMP agent status.
snmpd	Enters the next lower level.
system location <*text*>	Sets the SNMP system location. <text> = location of device.
traps	Enters the next lower level.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:wlan0 link state change) level commands	
alarm message <*text*>	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message <*text*>	Sets the message to be sent when the alarm turns off.
reminder interval <*minutes*>	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Does not send SNMP Trap.

state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:on scheduled reboot) level commands	
alarm message *<text>*	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message *<text>*	Sets the message to be sent when the alarm turns off.
reminder interval *<minutes>*	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Does not send SNMP Trap.
state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:main power change) level commands	
alarm message *<text>*	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message *<text>*	Sets the message to be sent when the alarm turns off.
reminder interval *<minutes>*	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Does not send SNMP Trap.
state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:eth0 link state change) level commands	
alarm message *<text>*	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message *<text>*	Sets the message to be sent when the alarm turns off.
reminder interval *<minutes>*	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current

	CLI session.
state disable	Does not send SNMP Trap.
state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:device temperature change) level commands	
alarm message *<text>*	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message *<text>*	Sets the message to be sent when the alarm turns off.
reminder interval *<minutes>*	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Does not send SNMP Trap.
state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmp trap (config-action-snmp_trap:backup power change) level commands	
alarm message *<text>*	Sets the message to be sent when the alarm turns on.
clrscrn	Clears the screen.
exit	Exits to the next higher level.
no alarm message	Removes the alarm message.
no normal message	Removes the normal message.
no reminder interval	Clears the SNMP Trap reminder interval. SNMP Trap is sent once only.
normal message *<text>*	Sets the message to be sent when the alarm turns off.
reminder interval *<minutes>*	Sets the SNMP Trap reminder interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Does not send SNMP Trap.
state enable	Sends SNMP Trap when alarm condition is met.
write	Stores the current configuration in permanent memory.
snmpd (config-snmp-snmpd) level commands	
authentication password *<text>*	Sets password used for authentication for agent.
authentication protocol md5	Uses MD5 for authentication for agent.
authentication protocol sha	Uses SHA for authentication for agent.
clrscrn	Clears the screen.
default authentication protocol	Restores to default SNMPv3 authentication method: MD5 for agent.
default privacy protocol	Restores to default SNMPv3 privacy encryption method: DES for agent.
default read community	Restores the SNMP read-only community to default: public

default security	Restores to default SNMPv3 security method: Authentication, No Privacy for agent.
default system description	Restores the SNMP system description to its default.
default system name	Restores the SNMP system name to default: the product name.
default version	Restores to default SNMP version v2c for agent.
default write community	Clears the SNMP read/write community to default: private
exit	Exits to the next higher level.
no authentication password	Clears authentication password for agent.
no privacy password	Clears privacy password for agent.
no system contact	Clears the SNMP system contact.
no username	Clears SNMPv3 username for agent.
privacy password *<text>*	Sets password used for privacy encryption for agent.
privacy protocol aes	Uses AES for privacy encryption for agent.
privacy protocol des	Uses DES for privacy encryption for agent.
read community *<text>*	Sets the SNMP read-only community string. <text> = name of the read-only community string to be set.
security authentication and privacy	Authentication and Privacy for agent.
security authentication but no privacy	Authentication, No Privacy for agent.
security no authentication and no priv	No Authentication, No Privacy for agent.
show	Shows the current configuration.
show engine id	Displays the SNMP agent engine ID.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the SNMP agent.
state enable	Enables the SNMP agent.
system contact *<text>*	Sets the SNMP system contact information. <text> = system contact information.
system description *<text>*	Sets the SNMP system description. <text> = description of device.
system name *<text>*	Sets the SNMP system name. <text> = SNMP system name.
username *<text>*	Sets SNMPv3 username for agent.
version snmpv1	Uses SNMPv1 for agent.
version snmpv2c	Uses SNMPv2c for agent.
version snmpv3	Uses SNMPv3 for agent.
write	Stores the current configuration in permanent memory.
write community *<text>*	Sets the SNMP read-write community string. <text> = name of the read-write community string to be set.
ssh (ssh) level commands	
client	Enters the SSH Client configuration level.
clrscrn	Clears the screen.
exit	Exits to the enable level.
server	Enters the SSH Server configuration level.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.

ssh (config-cli-ssh) level commands	
clrscrn	Clears the screen.
default max sessions	Restores the default maximum allowed concurrent incoming SSH sessions.
default port	Restores the default local port to the SSH server.
exit	Exits to the CLI level.
max sessions <*number*>	Sets the maximum allowed concurrent incoming SSH sessions. <number> = number of sessions.
port <*number*>	Sets the local port that the SSH server uses. <number> = local port number.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays the SSH server statistics.
state disable	Disables the SSH Server.
state enable	Enables the SSH Server.
write	Stores the current configuration in permanent memory.
ssl (ssl) level commands	
clrscrn	Clears the screen.
credentials	Enters the SSL credentials configuration level.
exit	Exits to the enable level.
show history	Displays the last 20 commands entered during the current CLI session.
trusted authorities	Enters the SSL configuration level.
write	Stores the current configuration in permanent memory.
static leases 1 (config-dhcpd-static_leases:1) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address <*IP address*>	Sets the reserved IP address.
ipv6 address <*ip address/prefix_length*>	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases <*number*>	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 2 (config-dhcpd-static_leases:2) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address <*IP address*>	Sets the reserved IP address.
ipv6 address <*ip address/prefix_length*>	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.

no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases <*number*>	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 3 (config-dhcpd-static_leases:3) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address <*IP address*>	Sets the reserved IP address.
ipv6 address <*ip address/prefix_length*>	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases <*number*>	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 4 (config-dhcpd-static_leases:4) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address <*IP address*>	Sets the reserved IP address.
ipv6 address <*ip address/prefix_length*>	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases <*number*>	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 5 (config-dhcpd-static_leases:5) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address <*IP address*>	Sets the reserved IP address.
ipv6 address <*ip address/prefix_length*>	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases <*number*>	Change to dhcpd static lease level.

write	Stores the current configuration in permanent memory.
static leases 6 (config-dhcpd-static_leases:6) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address *<IP address>*	Sets the reserved IP address.
ipv6 address *<ip address/prefix_length>*	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases *<number>*	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 7 (config-dhcpd-static_leases:7) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address *<IP address>*	Sets the reserved IP address.
ipv6 address *<ip address/prefix_length>*	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases *<number>*	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static leases 8 (config-dhcpd-static_leases:8) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-dhcpd level.
ip address *<IP address>*	Sets the reserved IP address.
ipv6 address *<ip address/prefix_length>*	Sets the reserved IPv6 address. Formats accepted: 3456:abcd::456:de10/64 (address and prefix length)
no ip address	Clears the reserved IP address.
no ipv6 address	Clears the reserved IPv6 address.
no mac address	Removes the MAC Address.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
static leases *<number>*	Change to dhcpd static lease level.
write	Stores the current configuration in permanent memory.
static route 1 (config-staticroute:1) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.

exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 2 (config-staticroute:2) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 3 (config-staticroute:3) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.

friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 4 (config-staticroute:4) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 5 (config-staticroute:5) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly

	name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 6 (config-staticroute:6) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 7 (config-staticroute:7) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name

gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
static route 8 (config-staticroute:8) level commands	
clrscrn	Clears the screen.
default metric	Restores the metric to default value.
exit	Exits to the config-gateway level.
friendly name *<text>*	Set the friendly name for static route. <text> = friendly name
gateway *<text>*	Sets the gateway for static route network.
interface *<text>*	Sets the route interface <text> = interface name
metric *<number>*	Sets the metric for static route. <number> = metric
network *<text>*	Sets the IP address and network mask for static route network.
no friendly name	Remove the friendly name
no gateway	Clears the gateway for static route network.
no interface	Clears the route interface. The WAN interface is used if no interface is specified.
no network	Clears the IP address for static route network.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables the static route.
state enable	Enables the static route.
static route *<number>*	Change to config gateway static route level.
write	Stores the current configuration in permanent memory.
syslog (config-syslog) level commands	
clrscrn	Clears the screen.
default remote port	Restores the default syslog remote port.
default severity log level	No logging.
exit	Returns to the config level.
host *<text>*	Sets the address of the syslog recipient. <text> = IP address or name of the host.

no host	Removes the address of the syslog recipient.
remote port <*number*>	Sets the syslog remote port. <number> = number of the remote port used when making a syslog connection.
severity log level alert	Log only Alert and more severe events.
severity log level critical	Log only Critical and more severe events.
severity log level debug	Log all events.
severity log level emergency	Log only Emergency events.
severity log level error	Log only Error and more severe events.
severity log level information	Log only Information and more severe events.
severity log level none	No logging.
severity log level notice	Log only Notice and more severe events.
severity log level warning	Log only Warning and more severe events.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays the syslog statistics.
state disable	Disables syslog logging.
state enable	Enables syslog logging.
write	Stores the current configuration in permanent memory.
telnet (config-cli-telnet) level commands	
authentication disable	No password required for Telnet users.
authentication enable	Challenges the Telnet user with a password.
clrscrn	Clears the screen.
default max sessions	Restores the default maximum allowed concurrent incoming Telnet sessions.
default port	Restores the default local port to the Telnet server.
exit	Exits to the CLI level.
max sessions <*number*>	Sets the maximum allowed concurrent incoming Telnet sessions. <number> = number of sessions.
port <*number*>	Sets the local port that the Telnet server uses. <number> = local port number.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	Displays the Telnet statistics.
state disable	Disables the Telnet Server.
state enable	Enables the Telnet Server.
write	Stores the current configuration in permanent memory.
terminal 1 (config-terminal:1) level commands	
break duration <*milliseconds*>	Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds.
clrscrn	Clears the screen.
default break duration	Restores the break duration to the default value (500 ms).
default terminal type	Sets the default terminal type, "UNKNOWN".
echo disable	Disables echoing of characters received on the line back to the line.
echo enable	Enables echoing of characters received on the line back

	to the line.
exit	Exits to the configuration level.
exit connect menu disable	On the login connect menu, removes the menu item allowing the user to exit to the CLI.
exit connect menu enable	On the login connect menu, inserts the menu item allowing the user to exit to the CLI.
line <*line*>	Enters the line level. <line> = number of the line (serial port) to be configured.
login connect menu disable	Disables the login connect menu, so a user will get the CLI immediately after logging in.
login connect menu enable	Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in.
no send break	Removes the configured send break character.
preview connect menu	Shows the layout of the connect menu with current settings.
send break <*control*>	Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
terminal type <*text*>	Sets the terminal type.
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
terminal 2 (config-terminal:2) level commands	
break duration <*milliseconds*>	Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds.
clrscrn	Clears the screen.
default break duration	Restores the break duration to the default value (500 ms).
default terminal type	Sets the default terminal type, "UNKNOWN".
echo disable	Disables echoing of characters received on the line back to the line.
echo enable	Enables echoing of characters received on the line back to the line.
exit	Exits to the configuration level.
exit connect menu disable	On the login connect menu, removes the menu item allowing the user to exit to the CLI.
exit connect menu enable	On the login connect menu, inserts the menu item allowing the user to exit to the CLI.
line <*line*>	Enters the line level. <line> = number of the line (serial port) to be configured.
login connect menu disable	Disables the login connect menu, so a user will get the CLI immediately after logging in.
login connect menu enable	Enables the login connect menu, so a user will get the

	menu rather than the CLI immediately after logging in.
no send break	Removes the configured send break character.
preview connect menu	Shows the layout of the connect menu with current settings.
send break <*control*>	Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
terminal type <*text*>	Sets the terminal type.
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
terminal network (config-terminal:network) level commands	
break duration <*milliseconds*>	Sets how long a break should last when it is being sent to the line. <milliseconds> = number of milliseconds.
clrscrn	Clears the screen.
default break duration	Restores the break duration to the default value (500 ms).
default terminal type	Sets the default terminal type, "UNKNOWN".
echo disable	Disables echoing of characters received on the line back to the line.
echo enable	Enables echoing of characters received on the line back to the line.
exit	Exits to the configuration level.
exit connect menu disable	On the login connect menu, removes the menu item allowing the user to exit to the CLI.
exit connect menu enable	On the login connect menu, inserts the menu item allowing the user to exit to the CLI.
line <*line*>	Enters the line level. <line> = number of the line (serial port) to be configured.
login connect menu disable	Disables the login connect menu, so a user will get the CLI immediately after logging in.
login connect menu enable	Enables the login connect menu, so a user will get the menu rather than the CLI immediately after logging in.
no send break	Removes the configured send break character.
preview connect menu	Shows the layout of the connect menu with current settings.
send break <*control*>	Sets the optional send break character. <text> = the character. The character may be input as text, control, decimal, or hex. A control character has the form <control>C. A decimal value character has the form \99. A hex value character has the form 0xFF.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.

terminal <*line*>	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
terminal type <*text*>	Sets the terminal type.
tunnel <*line*>	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
traps (config-snmp-traps) level commands	
authentication password <*text*>	Sets password used for authentication for traps.
authentication protocol md5	Uses MD5 for authentication for traps.
authentication protocol sha	Uses SHA for authentication for traps.
clrscrn	Clears the screen.
community <*text*>	Sets the SNMP trap community string. <text> = name of the trap community string to be set.
default authentication protocol	Restores to default SNMPv3 authentication method: MD5 for traps.
default community	Restores the SNMP trap community to default: public
default privacy protocol	Restores to default SNMPv3 privacy encryption method: DES for traps.
default security	Restores to default SNMPv3 security method: Authentication, No Privacy for traps.
default version	Restores to default SNMP version v2c for traps.
exit	Exits to the next higher level.
no authentication password	Clears authentication password for traps.
no primary destination	Deletes the primary SNMP trap host.
no privacy password	Clears privacy password for traps.
no secondary destination	Deletes the secondary SNMP trap host.
no username	Clears SNMPv3 username for traps.
primary destination <*text*>	Sets the primary SNMP trap host. <text> = IP address or hostname of SNMP trap receiver.
privacy password <*text*>	Sets password used for privacy encryption for traps.
privacy protocol aes	Uses AES for privacy encryption for traps.
privacy protocol des	Uses DES for privacy encryption for traps.
secondary destination <*text*>	Sets the secondary SNMP trap host. <text> = IP address or hostname of SNMP trap receiver.
security authentication and privacy	Authentication and Privacy for traps.
security authentication but no privacy	Authentication, No Privacy for traps.
security no authentication and no priv	No Authentication, No Privacy for traps.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username <*text*>	Sets SNMPv3 username for traps.
version snmpv1	Uses SNMPv1 for traps.
version snmpv2c	Uses SNMPv2c for traps.
version snmpv3	Uses SNMPv3 for traps.
write	Stores the current configuration in permanent memory.
trusted authorities (ssl-auth) level commands	

add	Adds an Authority Certificate.
clrscrn	Clears the screen.
delete all	Removes All Authority Certificates.
exit	Exits to the ssl level.
no intermediate authority *<cert>*	Removes an Intermediate Authority Certificate. <cert> = index displayed by "show authority" command.
no trusted authority *<cert>*	Removes a Trusted Authority Certificate. <cert> = index displayed by "show authority" command.
show	Displays Authority Certificate Information.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
tunnel 1 (tunnel:1) level commands	
accept	Enters the accept level for this tunnel.
auto show statistics	show connection statistics
clear counters	Zeros all tunnel counters
clrscrn	Clears the screen.
connect	Enters the connect level for this tunnel.
disconnect	Enters the disconnect level for this tunnel.
exit	Exits to the enable level.
line *<line>*	Enters the line level. <line> = number of the line (serial port) to be configured.
modem	Enters the modem level for this tunnel.
no clear counters	Unzeros all tunnel counters
packing	Enters the packing level for this tunnel.
serial	Enters the serial level for this tunnel.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
terminal *<line>*	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
tunnel *<line>*	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
tunnel 2 (tunnel:2) level commands	
accept	Enters the accept level for this tunnel.
auto show statistics	show connection statistics
clear counters	Zeros all tunnel counters
clrscrn	Clears the screen.
connect	Enters the connect level for this tunnel.
disconnect	Enters the disconnect level for this tunnel.
exit	Exits to the enable level.
line *<line>*	Enters the line level. <line> = number of the line (serial port) to be configured.
modem	Enters the modem level for this tunnel.
no clear counters	Unzeros all tunnel counters

packing	Enters the packing level for this tunnel.
serial	Enters the serial level for this tunnel.
show history	Displays the last 20 commands entered during the current CLI session.
show statistics	show connection statistics
terminal *<line>*	Enters the configure-terminal level. <line> = number of the terminal line (serial port) to be configured.
terminal network	Enters the configure-terminal level for the network.
tunnel *<line>*	Enters the tunnel level. <line> = number of the tunnel line (serial port) to be configured.
write	Stores the current configuration in permanent memory.
unreachable host detection (config-vpn-unreachable_host_detection:1) level commands	
clrscrn	Clears the screen.
default max tries	Restores the default connecion error threshold.
default ping interval	Restores the default ping interval.
exit	Exits to the next higher level.
host *<text>*	Sets the host name. <text> = host name to Ping.
max tries *<number>*	Sets the connection error threshold. If <pings> attempts go unanswered, the device will restart the VPN connection.
no host	Clears the host name.
ping interval *<minutes>*	Sets the ping interval.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
virtual ip 1 (config-virtual-interface:1) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-gateway level.
ip address *<IP address>*	Sets the Virtual IP address.
lan ip address *<IP address>*	Sets the LAN IP address.
name *<text>*	Sets the name. <text> = name.
no ip address	Clears the Virtual IP address.
no lan ip address	Clears the LAN IP address.
no name	Clears the name.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables Virtual IP instance.
state enable	Enables Virtual IP instance.
write	Stores the current configuration in permanent memory.
virtual ip 2 (config-virtual-interface:2) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-gateway level.
ip address *<IP address>*	Sets the Virtual IP address.
lan ip address *<IP address>*	Sets the LAN IP address.
name *<text>*	Sets the name. <text> = name.

no ip address	Clears the Virtual IP address.
no lan ip address	Clears the LAN IP address.
no name	Clears the name.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables Virtual IP instance.
state enable	Enables Virtual IP instance.
write	Stores the current configuration in permanent memory.
virtual ip 3 (config-virtual-interface:3) level commands	
clrscrn	Clears the screen.
exit	Exits to the config-gateway level.
ip address *<IP address>*	Sets the Virtual IP address.
lan ip address *<IP address>*	Sets the LAN IP address.
name *<text>*	Sets the name. <text> = name.
no ip address	Clears the Virtual IP address.
no lan ip address	Clears the LAN IP address.
no name	Clears the name.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
state disable	Disables Virtual IP instance.
state enable	Enables Virtual IP instance.
write	Stores the current configuration in permanent memory.
vpn 1 (config-vpn:1) level commands	
aggressive mode disable	Disables aggressive mode.
aggressive mode enable	Enables aggressive mode.
authentication mode psk	Sets the authentication mode to PSK.
authentication mode rsa	Sets the authentication mode to RSA.
authentication mode xauth	Sets the authentication mode to XAUTH.
clrscrn	Clears the screen.
connection name *<text>*	Sets the name. <text> = name.
connection type host to host	Sets the connection type to Host to Host.
connection type host to subnet	Sets the connection type to Host to Subnet.
create new local rsa key	Create new Local RSA key
default authentication mode	Restores the default authentication mode.
default connection type	Restores the default connection type.
default esp authentication	Restores the default ESP authentication.
default esp dh group	Restores the default ESP DH Group.
default esp encryption	Restores the default ESP encryption.
default ike authentication	Restores the default IKE authentication.
default ike dh group	Restores the default IKE DH Group.
default ike encryption	Restores the default IKE encryption.
default ike life time	Restores the default IKE lifetime.
default interface	Restores the default interface.

default local key length	Restores the default local RSA key length.
default remote peer type	Restores the default remote peer type.
default sa life time	Restores the default SA lifetime.
default type	Restores the default transport type.
esp authentication any	Sets ESP authentication to any.
esp authentication md5	Sets ESP authentication to MD5.
esp authentication sha1	Sets ESP authentication to SHA1.
esp dh group any	Sets ESP DH Group to any.
esp dh group dh1	Sets ESP DH Group to DH1.
esp dh group dh2	Sets ESP DH Group to DH2.
esp dh group dh5	Sets ESP DH Group to DH5.
esp encryption 3des	Sets ESP encryption to 3DES.
esp encryption aes128	Sets ESP encryption to AES-128.
esp encryption aes256	Sets ESP encryption to AES-256.
esp encryption any	Sets ESP encryption to any.
esp encryption des	Sets ESP encryption to DES.
exit	Exits to the config level.
ike authentication any	Sets IKE authentication to any.
ike authentication md5	Sets IKE authentication to MD5.
ike authentication sha1	Sets IKE authentication to SHA1.
ike dh group any	Sets IKE DH Group to any.
ike dh group dh1	Sets IKE DH Group to DH1.
ike dh group dh2	Sets IKE DH Group to DH2.
ike dh group dh5	Sets IKE DH Group to DH5.
ike encryption 3des	Sets IKE encryption to 3DES.
ike encryption aes128	Sets IKE encryption to AES-128.
ike encryption aes256	Sets IKE encryption to AES-256.
ike encryption any	Sets IKE encryption to any.
ike encryption des	Sets IKE encryption to DES.
ike life time *<hours>*	Sets the IKE lifetime.
interface *<text>*	Sets the interface. <text> = interface.
local id *<text>*	Sets the local id. <text> = local id.
local key length *<bits>*	Sets the local RSA key length.
local next hop *<text>*	Sets the local next hop. <text> = local next hop.
local subnet *<text>*	Sets the local subnet. <text> = local subnet.
mode configuration disable	Disables mode configuration.
mode configuration enable	Enables mode configuration.
nat traversal disable	Disables NAT traversal.
nat traversal enable	Enables NAT traversal.
no connection name	Clears the name.
no local id	Clears the local id.
no local next hop	Clears the local next hop.
no local subnet	Clears the local subnet.
no password	Clears the password.
no psk	Clears the pre shared key.

no remote endpoint	Clears the remote end point.
no remote id	Clears the remote id.
no remote key	Clears the remote key.
no remote next hop	Clears the remote next hop.
no remote rsa key	Clears the remote RSA key.
no remote subnet	Clears the remote subnets.
no username	Clears the username.
password *<text>*	Sets the password. <text> = password.
perfect forward secrecy disable	Disables perfect forward secrecy (PFS).
perfect forward secrecy enable	Enables perfect forward secrecy (PFS).
psk *<text>*	Sets the pre shared key (PSK). <text> = pre shared key.
remote endpoint *<text>*	Sets the remote end point. <text> = remote end point.
remote id *<text>*	Sets the remote id. <text> = remote id.
remote key *<text>*	Sets the remote key. <text> = remote key.
remote next hop *<text>*	Sets the remote next hop. <text> = remote next hop.
remote peer type cisco	Sets the remote peer type to cisco.
remote peer type ietf	Sets the remote peer type to ietf.
remote rsa key *<text>*	Sets the remote RSA key. <text> = remote RSA key.
remote subnet *<text>*	Sets the remote subnets. <text> = remote subnets.
sa life time *<hours>*	Sets the SA lifetime.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show local rsa key	Show Local RSA key
show logs	Show logs
show status	Show VPN status
state disable	Disables VPN tunnel.
state enable	Enables VPN tunnel.
type transport	Sets the transport type to transport.
type tunnel	Sets the transport type to tunnel.
unreachable host detection	Enters the next lower level.
username *<text>*	Sets the username. <text> = username.
vpn *<instance>*	Change to vpn level.
write	Stores the current configuration in permanent memory.
wep (config-profile-security-wep:default_adhoc_profile) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
authentication open	Sets the type of authentication to open.
authentication shared	Sets the type of authentication to shared.
clrscrn	Clears the screen.
default authentication	Restores the authentication type to the default value (open).
default key size	Restores the key size to the default value (40 bits).
default tx key index	Restores the tx key index to the default value (1).
exit	Exits to the next higher level.

key <*instance*>	Enters the next lower level. Specify the instance for the next lower level.
key size 104	Sets the key size to 104 bits.
key size 40	Sets the key size to 40 bits.
show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
tx key index 1	Selects key 1 for transmission encryption.
tx key index 2	Selects key 2 for transmission encryption.
tx key index 3	Selects key 3 for transmission encryption.
tx key index 4	Selects key 4 for transmission encryption.
write	Stores the current configuration in permanent memory.
wlan profiles (config-profiles) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
clrscrn	Clears the screen.
create <*profile name*>	Create a new profile name
delete <*profile name*>	Delete existing profile by name
edit <*profile name*>	View or edit an existing profile
exit	Exits to the config level.
show	Show existing profile names
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
wlan0 link state change (config-action:wlan0 link state change) level commands	
clrscrn	Clears the screen.
default delay	Resets alarm processing delay to its default value.
delay <*seconds*>	Sets the delay in processing the alarm. Alarm actions will not be executed if the cause is corrected within this time.
email	Enters the next lower level.
exit	Exits to the config alarm level.
ftp put	Enters the next lower level.
http post	Enters the next lower level.
show	Displays the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
show status	Displays statistics.
snmp trap	Enters the next lower level.
write	Stores the current configuration in permanent memory.
wpax (config-profile-security-wpax:default_adhoc_profile) level commands	
apply wlan	Try out WLAN settings without saving them to Flash. If the settings do not work, when you reboot the device, it will still have the original settings.
authentication 802.1x	Sets the authentication method to IEEE 802.1x.
authentication psk	Sets the authentication method to PSK.
clrscrn	Clears the screen.

credentials <*text*>	Selects the RSA certificate by configured name.
default authentication	Restores the authentication method to the default value (PSK).
default eap-ttls option	Restores the eap-ttls protocol options to the default (EAP-MSCHAP V2).
default encryption	Restores the encryption type to the default value (none enabled).
default ieee 802.1x	Restores the default IEEE 802.1x protocol, EAP-TTLS.
default peap option	Restores the PEAP authentication protocol options to the default (EAP-MSCHAP V2).
eap-ttls option chap	Sets the EAP-TTLS authentication protocol option to CHAP.
eap-ttls option eap-md5	Sets the EAP-TTLS authentication protocol option to EAP-MD5.
eap-ttls option eap-mschapv2	Sets the EAP-TTLS authentication protocol option to EAP-MSCHAP V2.
eap-ttls option mschap	Sets the EAP-TTLS authentication protocol option to MSCHAP.
eap-ttls option mschapv2	Sets the EAP-TTLS authentication protocol option to MSCHAP V2.
eap-ttls option pap	Sets the EAP-TTLS authentication protocol option to PAP.
encryption ccmp disable	Disables this encryption method.
encryption ccmp enable	Enables this encryption method.
encryption tkip disable	Disables this encryption method.
encryption tkip enable	Enables this encryption method.
encryption wep disable	Disables this encryption method.
encryption wep enable	Enables this encryption method.
exit	Exits to the next higher level.
ieee 802.1x eap-tls	Sets the IEEE 802.1x protocol to EAP-TLS.
ieee 802.1x eap-ttls	Sets the IEEE 802.1x protocol to EAP-TTLS.
ieee 802.1x leap	Sets the IEEE 802.1x protocol to LEAP.
ieee 802.1x peap	Sets the IEEE 802.1x protocol to PEAP.
key <*hexadecimal*>	Sets key. Each byte is represented by two adjacent hex digits. Bytes may run together or be separated by optional punctuation: 123ABC "12 3A BC" 12,3A,BC 12.3a.bc 12:3a:bc Note that quotes must enclose the value if it contains spaces.
key text <*text*>	Sets key. Each byte is represented by a single character. Note that quotes must enclose the value if it contains spaces.
no credentials	Clears the RSA certificate name.
no key	Removes key.
no password	Clears the password.
no username	Clears the user name.
password <*text*>	Sets the value for the password. <text> = put quotes around the characters (max 63).
peap option eap-md5	Sets the PEAP authentication protocol option to EAP-MD5.
peap option eap-mschapv2	Sets the PEAP authentication protocol option to EAP-MSCHAP V2.

show	Shows the current configuration.
show history	Displays the last 20 commands entered during the current CLI session.
username *<text>*	Sets the value of the username. <text> = value in characters (max 63).
validate certificate disable	Skips verification of the server certificate when connecting.
validate certificate enable	Requires verification of the server certificate when connecting.
write	Stores the current configuration in permanent memory.
xml (xml) level commands	
clrscrn	Clears the screen.
exit	Exits to the enable level.
secret xcr dump	Dump XML configuration containing secrets to the console
secret xcr dump *<group list>*	Dump specified XML configuration containing secrets to the console
secret xcr export *<file>*	Save XML configuration containing secrets to a file
secret xcr export *<file> <group list>*	Save specified XML configuration containing secrets to a local file
show history	Displays the last 20 commands entered during the current CLI session.
write	Stores the current configuration in permanent memory.
xcr dump	Dump XML configuration to the console
xcr dump *<group list>*	Dump specified XML configuration to the console
xcr export *<file>*	Save XML configuration to a file
xcr export *<file> <group list>*	Save specified XML configuration to a local file
xcr import *<file>*	Load XML configuration from a local file
xcr import *<file> <group list>*	Load specified XML configuration from a local file
xcr list	List XML Configuration Record groups to the console
xsr dump	Dump XML Status Records to the console
xsr dump *<group list>*	Dump specified XML Status Records to the console
xsr export *<file>*	Save XML Status Record to a file
xsr export *<file> <group list>*	Save specified XML Status Record to a local file
xsr list	List XML Status Record groups to the console