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Product Change Notice

Dear Valued Lantronix Customer,

The purpose of this document is to notify you of a firmware change to our SecureLinx™ SLC Console Managers.

Firmware version 2.0 will ship with the following products at the end of November '04:

Model Number	Description
SLC8	SLC 8 port, Single or Dual AC; Dual DC
SLC16	SLC 16 port, Single or Dual AC; Dual DC
SLC32	SLC 32 port, Single or Dual AC; Dual DC
SLC48	SLC 48 port, Single or Dual AC; Dual DC

Version 2.0 includes the following features and enhancements. While a number of new features and capabilities have been added to SLC, action is not required unless electing to implement these new features.

Feature/Enhancement	Description/Benefit
Custom Menu Support	Administrators can set up custom titles and menus to display when a user logs into the SLC.
Nested Menus	Top level menus may call lower (nested) menus for configurable levels of commands to be displayed.
PC Card Modem Support	A modem card can be installed in one of the two PC Card slots. Using an "internal" modem card saves a serial port which would need to be dedicated to an external modem.
PC Card Compact Flash Enhancements	-Support for FAT/FAT32 Windows file system allows users to use a flash card on both the SLC and their PC -Automatic mount on insertion saves an extra step for users -Mount and un-mount commands have been added to the web interface for consistency -Saved configuration on the flash card are viewable from the Maintenance webpage for added convenience
Routing Enhancements	-Number of static routes has been increased to 10 and static routing and RIP can be enabled independently for greater configuration flexibility
Gateway Precedence	Administrators now have the option to choose routing precedence between a default gateway or one that is automatically discovered via DHCP.
Configurable Escape and Break	Escape and Break sequences can be changed or customized for local users.
Kerberos (version 5) Support	Kerberos is a protocol that provides strong authentication for client/server applications by using secret-key cryptography. For datacenters that already use Kerberos, they can now integrate the SLC into their larger authentication scheme.

TACACS+ (Terminal Access Controller Access Control System) Support	TACACS+ is a method of authentication used in many Cisco and UNIX networks to communicate with an authentication server to verify user access. For datacenters that already use TACACS+, they can now integrate the SLC into their larger authentication scheme.
Modem Enhancements	<ul style="list-style-type: none"> -Dial-out allows the SLC to connect to an external network or device via a modem. -Dial-back allows a user to dial into the SLC, be authenticated, and then hang up. The SLC will then dial back to the user, which saves on toll phone charges. -CHAP support has been added in addition to PAP to offer users a more secure method for authentication. -Remote authentication is supported for PPP dial up connections so that similar methods may be used as connections via a network.
Text String Recognition for Email Notification	Administrators can configure the SLC to scan device port data for specific text strings including regular expressions. When these strings are found, it triggers the SLC to capture the data and send an email notification to a user. This feature can proactively notify users of important events that may be occurring on their servers or other equipment.
New Diagnostic Commands	<p>Added functionality helps administrators troubleshoot and fix network and connection problems more quickly:</p> <ul style="list-style-type: none"> -Network trace function to see where problems might be occurring -Send packet function allows users to send a test Ethernet packet for network debugging -Ethernet port performance statistics can be viewed to determine where send/receive problems might exist -Internal loopback test helps troubleshoot whether connection problems are hardware or adapter/connection problems (note: external loopback is already available and connector is supplied with SLC units)
Enhanced Commands	<p>New commands have been added which make setup and configuration even easier. These commands allow the user to:</p> <ul style="list-style-type: none"> -List all of the device port names -Email the output of the routing commands -Display Ethernet port statistics (also available via the web interface)
Web Telnet	For device ports where Telnet is enabled, the port can be accessed through Telnet using the web interface. This feature allows connections using just a browser, rather than a Telnet client and makes the SLC more easily accessible from anywhere.
NAT (Network Address Translation) for Dial-in or Dial-back	NAT converts IP addresses from one network to another, such as from a public to private network. Support for NAT on the SLC allows dialup users to access the network connected to the Ethernet ports on the SLC.
DSR (Data Set Ready) Signal Detection	The DSR signal on the serial ports is monitored to control connections. Connections can be configured to start up only if the DSR signal is asserted and terminate if the DSR signal is de-asserted. This functionality improves interoperability of the SLC with other devices, such as modems.
Updated SNMP (Simple Network Management Protocol) support	Support added for v1, v2, and v3 SNMP requests and traps. SNMP allows the SLC to communicate with other network management software tools, such as HP Overview, Tivoli, CiscoWorks, etc.

An upgrade patch and release notes are now available on the Lantronix web site:
<http://www.lantronix.com/support/downloads.html>.

For more information, contact Lantronix Customer Support at (866) 649-0721 or (949) 453-3990 x342.