# LANTRONIX®

## Secure Console Server

- ▶ Secure Shell (SSH) access provides strong authentication and secure communications
- ▶ In-Band management offers convenient access over IP networks
- ▶ Type I/II PC Card interface supports wireless adapters, storage cards, analog and cellular modems (SCS200/400)
- ▶ Event logging and e-mail notification accelerates troubleshooting
- ▶ Configurable menus allow quick and direct access to equipment
- ▶ Easy setup and configuration
- ▶ Sun Solaris "Break Safe"

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# Remotely Access and Manage Network and Telecom Equipment for Optimum System Performance and Availability

With Lantronix ActiveLinx™ Secure Console Servers™ (SCS), system administrators can solve local and remote IT incidents quickly and save downtime and money. The compact form factors of the SCS100, SCS200, and SCS400 make them ideal for a variety of applications and save valuable space in your data center.

Secure Console Servers leverage your existing IP network or a modem connection to provide remote access to data and voice equipment. Connect to the console or serial port (RS232, RS-422/RS-485 – SCS200 only) on your equipment to manage hubs, switches, routers, servers, UPS systems, PBX systems, storage networking equipment, and telecom switches from anywhere in the world.

In-band management allows you to manage your equipment over the network from virtually any place you have access, by using familiar tools like Telnet or Secure Shell (SSH). Even if the network is down, Secure Console Servers provide Out-of-Band management with dial-in access through a modem connection. Modem sharing across multiple pieces of equipment provides significant savings in installation and monthly operating costs.

### Robust Security
Secure Console Servers ensure the integrity of your equipment and data. Authentication limits access to authorized users only, using usernames and passwords, modem dialback, PAP/CHAP, Radius, Kerberos and SecurID. Authorization restricts access to equipment and services, based on stored user profiles. Secure Shell (SSH) safeguards login passwords and in-transit data through strong encryption.

### Easy Access to All Types of Equipment
Managing remote equipment can be a challenge, especially when system configurations vary from location to location. For quick and direct access to your equipment, Lantronix Secure Console Servers feature a configurable menu system. Remote equipment can be selected from menus created with your own descriptions. For example, menus could be organized by equipment location and name or configured specifically for each user, limiting access to specific equipment.

### Event Management Speeds Recovery
Event management features help you locate the source of equipment problems and diagnose them quickly. Each serial port can be independently configured to store console messages from attached equipment, and to alert an administrator of a potential problem by e-mail over the network or through an alternate modem connection. Upon receiving notification, administrators can review the stored console messages to determine the cause of the problem.

### Simple Setup and Configuration
Three flexible configuration options make setup easy and quick. Configuration can be accomplished through a Command Line Interface (CLI) using a serial port or Telnet, a web-based GUI, or with the included EZWebCon® configuration utility.

ActiveLinx Secure Console Servers provide the necessary tools to remotely manage the performance and availability of critical business information systems, minimizing downtime while increasing efficiency and productivity.

## Features

### Accessibility
In-Band (Ethernet)
Out-of-Band (local terminal or modem)

### Security and Authentication
Secure Shell (SSH)
Individual Username/Passwords
PAP/CHAP (PPP)
Modem Dial-back
Kerberos Authorization
SecurID Authentication
RADIUS Authentication
Routing Firewall
Local Database
Group, User, and Nested Menus
Network Address Translation/Port Mapping
Rules-Based IP Packet Filtering

### Console (Port) Access
Telnet/SSH to console server command line
Telnet/SSH to IP address and port number
Separate IP address per port
Multiple concurrent Telnet/SSH sessions
Simultaneous access on the same port (listen mode)
No inadvertent "breaks" – Sun break-safe
ISP dial out on hangup

### Data Capture and Notification
250K event buffer per port
Port logging to local file and syslog
Console event notification (email)

### Management
Command line interface (Telnet, SSH, or direct serial)
EZWebCon™ Management Software
Web-based configuration (HTTP)
SNMP Compatible
Firmware upgradeable via FTP, TFTP, or EZWebCon™
Syslog

### Additional Protocols Supported
IP, TCP/IP, UDP/IP, ARP, RARP, ICMP, SNMP, BOOTP, DNS, WINS, RIP, Static Routing, PPP, TFTP, FTP, Telnet, rlogin, HTTP, SLIP, NAT, DHCP, and Pocket PC PPP

# Hardware

## Interfaces
Network: Ethernet 10/100 RJ45
Serial speed: 300bps to 230Kbps
SCS100: 1 RS-232 connector (DB25 male, DTE)
SCS200: 1 RS-232, RS-422/485 connector (DB25 male, DTE), 1 RS-232 (DB9 male, DTE) connector
SCS400: 4 RS-232 connectors (DB9 male, DTE)
PCMCIA (SCS200 and SCS400 only): Type I/II PC Card, supporting wireless, modems, and storage cards.
Modem Control: RTS, CTS, DSR, DCD (DB25 connectors only), DTR
Flow Control: XON/XOFF, hardware, or none

## CPU/Memory
32-bit processor, 2MB flash, 4MB RAM

## Power Requirements
SCS100: 5 VDC @ 0.7A max, AC adapter included
SCS200: 7-24 VDC @ 0.8A max, AC adapter included
SCS400: 9-30 VDC, 1.84A @ 12VDC, AC adapter included (see ordering information below)

## Environmental
Operating: 5 to 50ºC (41 to 122ºF)
Storage: -40 to 66ºC (-40 to 151ºF)

## Physical
**Dimensions (LxWxH)**
SCS100: 3.5 x 2.5 x 0.9 in (9.0 x 6.4 x 2.3 cm)
SCS200: 7.0 x 5.75 x 1.0 in (17.8 x 14.6 x 2.5 cm)
SCS400:  5.5 x 9.3 x 1.3 in (13.9 x 23.6 x 3.3 cm)
**Weight**
SCS100: 0.8 lbs (0.35 kg)
SCS200: 1.3 lbs (0.58 kg)
SCS400: 1.13 lb. (0.51 kg)
**Shipping Dimensions (LxWxH) and Weight**
SCS100: 7.5 x 9.5 x 4.5 in (19.1 x 24.2 x 11.5 cm), 3.0 lbs (1.5 kg)
SCS200: 6.75 x 13.25 x 2.75 in (17.1 x 33.7 x 7.0 cm), 3.6 lbs (1.63kg)
SCS400: 8.25 x 11.0 x 5.5 in (20.9 x 27.9 x 13.9 cm), 3.6 lbs (1.63kg)

## Agency Approvals
FCC (A), C/UL, TUV, GS, CE (B)
SCS400 only: CB, C-Tick, VCCI

## Warranty
1-year limited warranty

## Ordering Information

| Part #: | Description |
|---|---|
| SCS100-22 | Secure Console Server, 1 port, 100-240 VAC, 50/60 Hz international adapter, RoHS |
| SCS200 | Secure Console Server, 2 ports, 100-240 VAC adapter |
| SCS400-11 | Secure Console Server, 4 ports, 100-240 VAC, 50/60 Hz adapter, US power cord |
| SCS400-12 | Secure Console Server, 4 ports 100-240 VAC, 50/60 Hz, International power cords (UK, Euro, and US) |

**Optional Cables/Adapters:**

| | |
|---|---|
| 200.2066A | RJ45 to DB25M cable adapter |
| 200.2067A | RJ45 to DB25F cable adapter |
| 200.2069A | RJ45 to DB9M cable adapter |
| 200.2070A | RJ45 to DB9F cable adapter |
| ADP010104-01 | RJ45 plug to RJ45 socket (rolled cable) adapter, 10.2 m (0.67 ft) |
| 200.0062 | Cable; RJ45, 2 m (6.6 ft) |
| 200.0063 | Cable; RJ45, 5 m (16.4 ft) |
| 200.0064 | Cable; RJ45, 10 m (32.8 ft) |
| 200.0065 | Cable; RJ45, 15 m (49.2 ft) |

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