



## 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 using included EZWebCon™ Management Software
- ▶ Sun Solaris "Break Safe"

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

The SCS100, SCS200, and SCS400 are members of the ActiveLinx family of Secure Console Servers (SCS). With ActiveLinx secure console servers, 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 (RS-232, 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 dial-back, 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 a network manager of a potential problem by e-mail over the network or through an alternate modem connection. Upon receiving notification, network managers 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 (snoop 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\*

\* Firmware versions 2.0/3 and later.



## 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, 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 (see ordering information below)
- SCS200: 7-24 VDC @ 0.8A max, AC adapter included
- SCS400: 9-30 VDC, 0.184A @ 12VDC, AC adapter included (see ordering information below)

### Environmental

- Operating: 5 to 50°C (41 to 122°F)
- Storage: -40 to 66°C (-40 to 151°F)

### Physical

#### Dimensions (HxWxD)

- SCS100: 0.9 x 2.5 x 3.5 in (23 x 64 x 90 mm)
- SCS200: 1.0 x 5.75 x 7.0 in (25 x 146 x 178 mm)
- SCS400: 1.3 x 9.3 x 5.5 in (33 x 236 x 139 mm)

#### Weight

- SCS100: 0.8 lbs (0.35 kg)
- SCS200: 1.3 lbs (0.58 kg)
- SCS400: 1.13 lb. (0.51 kg)

#### Shipping Dimensions (HxWxD) and Weight

- SCS100: 4.5 x 9.5 x 7.5 in (11.5 x 24.2 x 19.1 cm), 3.0 lbs (1.5 kg)
- SCS200: 2.75 x 13.25 x 6.75 in (7.0 x 33.7 x 17.1 cm), 3.6 lbs (1.63kg)
- SCS400: 5.5 x 11.0 x 8.25 in (13.9 x 27.9 x 20.9 cm), 3.6 lbs (1.63kg)

### Agency Approvals

- FCC (A), C/UL, TUV, CE (B)
- SCS400 only: CB

### Warranty

- 1-year limited warranty

### Ordering Information

Part #:	Description
SCS100-11	Secure Console Server, 1 port, 115 VAC, 50/60 Hz adapter
SCS100-12	Secure Console Server, 1 port, 100-240 VAC, 50/60 Hz international adapter
SCS200	Secure Console Server, 2 ports, 100-240 VAC adapter
SCS400-01	Secure Console Server, 4 ports, 100-240 VAC, 50/60 Hz adapter, US power cord
SCS400-02	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
200.2225	RJ45 to RJ45 rolled cable adapter, Sun Netra and Cisco equipment
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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