



SecureLinX SLC Secure Console Managers

- ▶ Reduce downtime and increase efficiency with any time, anywhere access to IT equipment
- ▶ Protect resources with enhanced security features
- ▶ Simplify installation and setup with easy to use tools

Secure, Remote Management for Servers and IT Equipment



SecureLinX SLC16
Winner of the Network
Computing Editor's
Choice Award

The SecureLinX™ SLC console manager provides secure, remote access to servers and IT infrastructure equipment, whether it's located down the hall or across the globe. IT professionals can use SecureLinX SLC to monitor, manage and troubleshoot nearly anything in the data center rack, from anywhere, at any time – even if servers or networks are down. This capability means faster response rates which translate into reduced costs and less downtime.

With a common GUI interface that is simple to set up and use, SecureLinX SLC provides easy, secure administration and management of IT equipment – from anywhere, at any time.

System administrators can securely access and control a wide variety of IT and data center equipment, including Linux, Unix or Windows® 2003 servers, routers, switches, PBXs, UPSs, and even building access devices through their serial ports. Connecting from eight to 48 serial ports to an SLC provides the ability to centrally monitor, manage and troubleshoot many pieces of equipment using familiar tools such as Telnet or SSH.

Anytime, Anywhere Solution

With SecureLinX, it's just like being there. Access to the SLC device ports is accomplished via Telnet/SSH or, a web page launched console client, with no proprietary software required. Any server or IT asset that provides console or serial port management services can be managed remotely

from any location with the same interface and capabilities available locally. The command line interfaces of most IT equipment provide low-level access for reconfiguring, rebooting, and even reloading firmware. SLC enables IT managers to take advantage of these functions from a single point-of-contact over a network or out-of-band dial-up connection. In-band access is available through dual Ethernet connections for both public and management networks.

Integrated Security

Protecting IT resources is a top priority. SecureLinX SLC provides security features such as SSL and SSH for data encryption. It also supports remote authentication for integration with other systems already in place in the data center. For added protection, the SLC also includes firewall features to reject connection attempts or block ports and is the first console server with a NIST-certified AES encryption.

Easy to Deploy and Use

SecureLinX SLC provides a comprehensive suite of features enabling quick setup and deployment, with typical "box to operation" times of fewer than 10 minutes. A front panel LCD with keypad, "Quick Setup" web interface and a command line interface (CLI) setup script are all available. The comprehensive online help system includes context-sensitive information during configuration and operation. SecureLinX SLC offers single or dual AC or dual DC power supply options. Other key features include SNMP support and e-mail notifications with string recognition and RegExp support.

SecureLinX SLC is also NEBS Level 3 compliant, the most stringent of the three levels of conformance. A de facto standard in the telecommunication industry, NEBS (Network Equipment Building Systems) ensures continuous, redundant operation of products meeting strict physical, electrical and environmental requirements for safe and reliable operation within carrier infrastructures.





Features

Accessibility

- In-Band (Ethernet) - dual Ethernet ports
- Out-of-Band (local terminal or modem)

Security and Authentication

- Secure Shell (SSH v1, v2, Public Key)
- Packet filtering (firewall)
- Per port user permissions
- Configurable user rights
- Remote authentication: LDAP, NIS, RADIUS, Kerberos, TACACS+

Port Access

- Telnet/SSH to SLC command line
- Telnet/SSH /raw-TCP direct to IP address and port number
- Web Telnet /SSH
- Multiple concurrent Telnet/SSH sessions
- Simultaneous access on the same port
- No inadvertent "breaks" – Sun break-safe
- Customizable multi-level user menus
- PC card modem access
- Automatic port-initiated connections to network host or neighboring port
- Enable terminal login on any device port

Data Capture and Notification

- Port buffering – 256 KB per port
- Port logging to local files, PC card Ext2 & Fat/Fat32, remote NFS files (simultaneous)
- Local logging viewable via CIFS
- System event logs
- Console event notification (e-mail)
- Event string recognition (RegExp)

Management

- Front panel keypad/display for network setup
- Quick setup and configuration web interface (SSL)
- CLI setup script
- Command line interface (Telnet, SSH, web telnet/SSH or direct serial)
- SNMP (MIB II) compatible - v1, v2, v3, custom MIB's
- Integrated power management support (SLP)
- Diagnostics and port status counters
 - Performance monitoring utility
 - Packet generation utility
 - Network trace utility
 - Configuration audit log
- Local subnet search for other SLCs

Additional Protocols Supported

- DHCP and BOOTP for dynamic IP address assignment
- NTP for time synchronization
- FTP, TFTP, SFTP, SCP client for file transfers
- DNS for text-to-IP address name resolution
- SSH, SSL, Telnet, TCP & UDP, PPP w/PAP/CHAP, NFS and CIFS for connections in and out of the SLC
- RIP and RIPv2



Back view of SecureLinux SLC16



Hardware

Interfaces

Network: Two 10Base-T/100Base-TX RJ45 Ethernet
 Devices: 8, 16, 32, or 48 RS-232 (RJ45), 300 to 230400 bps
 Console: RS-232 (RJ45), 300 to 230400 bps
 PC card interface: Two 32-bit CardBus PC Card slots

Operating System

Embedded Linux

Power Requirements

AC input (single or dual): 100-240VAC, 50 to 60 Hz IEC-type cord
 DC input: -24 to -60 VDC
 Power consumption: Less than 20W max

Environmental

Operating: 0°-50°C (32°-122°F), 30-90%RH, non-condensing
 Storage: -20°-70°C (-4°-158°F), 10-90%RH, non-condensing
 Heat flow rate: 68 BTU per hour

Physical

Dimensions (LxWxH): 30.5 x 43.8 x 4.4 cm (12 x 17.25 x 1.75 in.), 1U
 Weight: 10 lbs. maximum, depending on options
 Shipping weight: 14 lbs. maximum

Certifications

FCC Part 15, CE (EN55022, EN55024, EN60950), CSA, VCCI, TÜV Rheinland, GS Mark, UL/CUL, C-Tick, CB Scheme, NIST-certified implementation of AES (Advanced Encryption Standards) as specified by FIPS-197, NEBS Level 3 (DC models only).

Warranty

2-year limited warranty

Ordering Information

| Part Numbers | Model and Description |
|--------------|---|
| SLC00812N-02 | SLC8: 8 Port, Single AC Supply Secure Console Manager, RoHS |
| SLC00822N-02 | SLC8: 8 Port, Dual AC Supply Secure Console Manager, RoHS |
| SLC00824T-02 | SLC8: 8 Port, Dual DC Supply Secure Console Manager, NEBS, RoHS |
| SLC01612N-02 | SLC16: 16 Port, Single AC Supply Secure Console Manager, RoHS |
| SLC01622N-02 | SLC16: 16 Port, Dual AC Supply Secure Console Manager, RoHS |
| SLC01624T-02 | SLC16: 16 Port, Dual DC Supply Secure Console Manager, NEBS, RoHS |
| SLC03212N-02 | SLC32: 32 Port, Single AC Supply Secure Console Manager, RoHS |
| SLC03222N-02 | SLC32: 32 Port, Dual AC Supply Secure Console Manager, RoHS |
| SLC03224T-02 | SLC32: 32 Port, Dual DC Supply Secure Console Manager, NEBS, RoHS |
| SLC04812N-02 | SLC48: 48 Port, Single AC Supply Secure Console Manager, RoHS |
| SLC04822N-02 | SLC48: 48 Port, Dual AC Supply Secure Console Manager, RoHS |
| SLC04824T-02 | SLC48: 48 Port, Dual DC Supply Secure Console Manager, NEBS, RoHS |

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 Cable; rolled serial adapter, 0.1m (0.33 ft) |
| ADP010104 | Cable; Rolled Serial, RJ45 to RJ45, 3m (9.8 ft.) |
| 500-137 | Cable; Loopback |
| 500-153 | Cable; Loopback |
| 56KModemCard-02 | PC Card V.92 Modem, RoHS |



LANTRONIX®

15353 Barranca Parkway | Irvine | CA 92618 | USA | Tel: 800.422.7055 | Fax: 949.450.7232 | www.lantronix.com

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