

# SECURE, REMOTE MANAGEMENT FOR SERVERS AND IT EQUIPMENT

The Lantronix® 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 the 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.

### Centrally Monitor, Manage, and Troubleshoot

With a common GUI interface that is simple to set up and use, the 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® servers, routers, switches, PBXs, UPSs, and even building access devices through their serial ports. Connecting from 8 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 the SLC, 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.



## SLC Highlights:

- 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
- In-band (Ethernet) and out-of-band access (dial-in/out via modem)

### Integrated Security

Protecting IT resources is a top priority. The 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

The Lantronix 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. The 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.

## Features and Specifications

### > 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+

### > Serial Device 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
- USB 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

### > Environmental

- Operating Temp: 0°-50°C (32°-122°F)
- Storage Temp: -20°-70°C (-4°-158°F)
- Relative Humidity: 10 to 90%, non-condensing
- Current Measurement Accuracy: +/-12%

### > Interfaces

- Network: Two 10Base-T/100Base-TX RJ45 Ethernet
- Devices: 8, 16, 32, or 48 RS-232 (RJ45), 300 to 115200 bps
- Console: RS-232 (RJ45), 300 to 115200 bps
- USB interface: v1.2 or v2.0 (full speed only)

### > 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 4.4cm (12 x 17.25 x 1.75in.), 1U
- Weight: 10lbs. maximum, depending on options
- Shipping weight: 14lbs. 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.

### > Warranty

- 2-year limited warranty

## Ordering Information

### United States

Call: 800.422.7055

Email: sales@lantronix.com

Buy Online: <http://www.lantronix.com>

NASDAQ: LTRX

### Asia/Pacific

Call: +852.3428.2338

Email: asiapacific\_sales@lantronix.com

### China

Call: +86.021.6237.8868

Email: Shanghai@lantronix.com

### Europe

Call: +31 (0) 76.52.3.6.74 4

Email: EMEA@lantronix.com

### Japan

Call: +81.3.6277.8802

Email: japan\_sales@lantronix.com

### > Part Number > Description

SLC00812N-03	SLC8: 8 Port, Single AC Supply Secure Console Manager RoHS
SLC00822N-03	SLC8: 8 Port, Dual AC Supply Secure Console Manager RoHS
SLC00824N-03	SLC8: 8 Port, Dual DC Supply Secure Console Manager RoHS
SLC01612N-03	SLC16: 16 Port, Single AC Supply Secure Console Manager RoHS
SLC01622N-03	SLC16: 16 Port, Dual AC Supply Secure Console Manager RoHS
SLC01624N-03	SLC16: 16 Port, Dual DC Supply Secure Console Manager RoHS
SLC03212N-03	SLC32: 32 Port, Single AC Supply Secure Console Manager RoHS
SLC03222N-03	SLC32: 32 Port, Dual AC Supply Secure Console Manager RoHS
SLC03224N-03	SLC32: 32 Port, Dual DC Supply Secure Console Manager RoHS
SLC04812N-03	SLC48: 48 Port, Single AC Supply Secure Console Manager RoHS
SLC04822N-03	SLC48: 48 Port, Dual AC Supply Secure Console Manager RoHS
SLC04824N-03	SLC48: 48 Port, Dual DC Supply Secure Console Manager RoHS

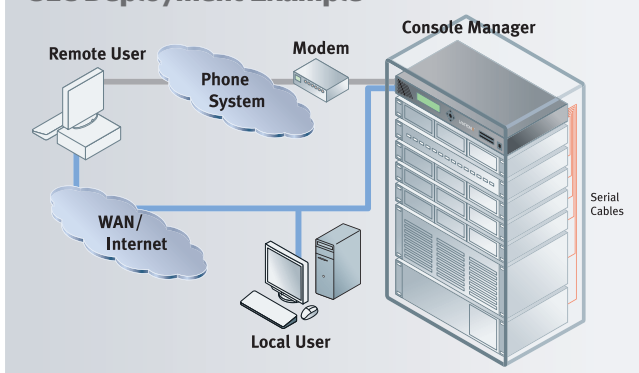
### > Accessories > Description

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	Cable; rolled serial adapter, 0.1m (0.33 ft)
500-137	Cable; Rolled Serial, RJ45 to RJ45, 3m (9.8 ft.)
500-153	Cable; Loopback



Back view of the SLC16

### SLC Deployment Example



SLC16 Winner of the Network Computing Editor's Choice Award

