SLC™ 8000

Advanced Modular Console Manager

Cisco Partner
Solution Partner



LANTRONIX ConsoleFlow™

FUTURE PROOF YOUR OUT-OF-BAND MANAGEMENT SOLUTION WITH SCALABILITY AND FLEXIBILITY



The Lantronix® SLC™ 8000 advanced console manager is the industry's first modular console server that provides secure remote access to IT equipment ensuring business continuity during unplanned network outages.

Centrally Manage, Monitor and Troubleshoot

Designed for system administrators and test engineers, the SLC 8000 advanced console manager provides easy and secure administration and management of IT equipment from anywhere and at any time. Users can access the SLC 8000 device ports via Telnet/SSH, or a web browser-based console client without any proprietary software. Any IT asset that provides console or serial port management services can be managed remotely and locally. The SLC 8000 enables users to leverage the command line interface for reconfiguring, rebooting and reloading firmware from anywhere, anytime. This can be done over an in-band network for both public and management networks, or via out-of-band connections including dial-up (optional) and cellular connectivity (via the Lantronix PremierWave® XC HSPA+ intelligent gateway, or the LTE Cellular Connectivity Kit, optional). Integrated automatic failover/failback mechanism allows users to connect seamlessly to their equipment even when one network is too congested or unresponsive. The users can securely access and control a wide variety of network, server, and power infrastructure in data centers and distributed sites. With network performance monitoring, an SLC 8000 unit can be configured to monitor network traffic with a variety of metrics continuously and reliably.

Modular Design

The modular design of the SLC 8000 console manager enables users to simply add or swap modules to expand the number of device ports, upgrade from a single power supply to dual, and easily introduce new serial interfaces such as USB to support a combination of existing and new IT equipment that are connected. This reduces the time required to develop and deploy new services, and this flexibility minimizes capital expenditures while offering easy scalability and upgrades.

Integrated Security

Protecting IT resources is a top priority. The SLC 8000 provides security features such as SSL and SSH for data encryption in addition to remote authentication for integration with other systems already in place. For added protection, the SLC 8000 also includes firewall features to reject connection attempts or block ports and has NIST-certified AES encryption. The SLC 8000 also supports FIPS 140-2 certified mode for government and military applications.

SLC 8000 Highlights

- The industry's only modular console server offering both RJ45 and USB connectivity with user swappable I/O modules allowing for easy upgrades and scalability
- Performance monitoring can be configured to continuously monitor your network traffic
- Anytime, anywhere secure access to IT equipment
- Integrated dual 1 Gb Ethernet or dual 1 Gb SFP interfaces
- HTML5 based remote console access
- High performance system with up to 15 users per port and 396 concurrent sessions
- Increases testing productivity as a DUT aggregator for automated tests and diagnostic data collection
- Minimizes cable clutter with software-programmable device port pins (DTE/DCE) to support Cisco and other leading OEMs
- Integrates with the Lantronix® ConsoleFlow™ central management solutions
- FIPS 140-2 certified cryptographic encryption mode for government and military applications
- Built-in support for environmental sensors and dry contact access control devices
- Optional 4G LTE Connectivity Kit with automatic fail-over feature
- SFP Transceiver Ready

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Lantronix SLC 8000

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Features and Specifications

Device Access
- In-Band (10/100/1000 Base – Ethernet) 2 GbE (10/100/1000BT) ports on RJ45 or 2 SFP Fiber/Copper port
- Out-of-Band (Local terminal, internal modem, external gateway)

Security and Authentication
- Enterprise-grade security
- Secure Shell (TLS v1, v1.1, v1.2)
- Secure Sockets Layer (TLS)
- Packet filtering (firewall)
- Per port user permissions
- Configurable user/group rights
- Remote authentication: LDAP, RADIUS, Kerberos, TACACS+, AD, NIS
- Local username/password
- NIST-certified implementation of AES (Advanced Encryption Standards) as specified by FIPS-197
- FIPS 140-2 compliant cryptography (Certificate #1878)

Serial Device Port Access
- Software programmable device ports
- Telnet/SSH to SLC command line
- Telnet/SSH/RAW-TCP direct to IP address and port number
- HTML5 support for Java-free web based WebSSH/WebTelnet remote access to console ports
- Multiple 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
- SD card and USB

Data Capture and Notification
- Port buffering—256 KB per port
- Port logging to local files, syslog, USB thumb drive, SD card, and NFS share
- NFS files (simultaneous)
- System event logs
- Console event notification via email
- Event string recognition (RegExp)

Management
- Front panel keypad and LCD display for network setup
- Quick setup and configuration web interface (SSL)
- CLI setup script
- CLI (Telnet, SSH, Web Telnet/SSH or direct serial)
- SNMP (MIB II) compatible—v1, v2, v3, custom MIBs
- Integrates with the Lantronix SLP™ remote power management tool and Server Technology PDU
- Integrated support for Sensorsoft devices
- Diagnostics and port status counters
  - Performance monitoring utility
  - Packet generation utility
  - Network trace utility
  - Configuration audit log
- Active user list display, port monitoring and timeout
- Local subnet search for other Lantronix console solutions
- Maximum of 396 concurrent sessions and maximum 15 users per device port at 9600 baud rate (typical)

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 and UDP, PPP with PAP/CHAP, NFS and CIFS for connections in and out of the SLC
- IPsec/VPN
- RIP and RIPv2
- IPv6 Ready Certified

Interfaces
- Front Panel: USB Host port, SD/SDHC slot, POTS (RJ11) modem, RS-232 console
- Back Panel: Dual Gb Ethernet or Dual Gb fiber SFP ports; RS-232 (RJ45) 300 to 230400 bps or USB in 16, 32, 48 ports

Environmental Sensors Support
- Plug and go connectivity support for sensors and accessories used to measure/detect temperature, humidity, power availability and dry-contact closures

Power
- AC model input (single/dual): 100-240 VAC, 50 to 60 Hz
- DC model input (dual): -20 to –72 VDC
- Power consumption: Less than 30W

Central Management
- Compatible with the Lantronix ConsoleFlow™ central management software

Environmental
- Operating: 0 to 50° C (32 to 122° F), 30 to 90%RH, non-condensing
- Storage: -20 to 80° C (-4 to 176° F), 10 to 90%RH, non-condensing
- Heat flow rate: 68 BTU per hour

Physical
- Front-mid-rear mounting brackets
- Dimensions (L x W x H): 30.5 x 43.8 x 4.4 cm (12 x 17.25 x 1.75 in), 1U
- Weight: 11.1 lbs. maximum, depending on option
- Shipping weight: 15.1 lbs. maximum, depending on option

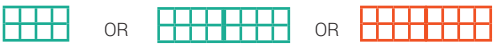
Warranty
- 3 year limited warranty (extended warranty and support options available)

Certifications
- FIPS 140-2
- FCC, CE, VCCI, UL/CUL, RCM, CB Scheme, KC*, CCC*, IPv6 ready Certified

* KC and CCC for select models only. Ask your regional Lantronix sales associate for details.

How to Order:

1. Pick a baseline configuration



8 Port RS-232 OR 16 Port RS-232 OR 16 Port USB

2. Choose from Ethernet copper or SFP variants



2 Ethernet Ports



2 SFP Ports
(SFP Transceiver Sold Separately)

3. Add up to 2 modules (optional)



RJ45 Module



USB Module

4. Choose power supply



Single/Dual AC



Dual DC Adapters

5. Select optional secondary dial up, Wi-Fi or Cellular (3G, LTE) Out-of-band options



Dial-Up Modem



SGX 5150



PremierWave XC HSPA+



LTE Connectivity Kit

6. Protect your investment with various extended warranty and service options

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