



SLC™ 8000

NEW!

*Advanced Modular
Console Manager*



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 while reducing deployment costs and time.



Centrally Manage, Monitor and Troubleshoot

Designed for system administrators, quality and test engineers, the SLC 8000 advanced console manager provides easy, 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 a single point of contact. 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, optional). The users can securely access and control a wide variety of network, server, and power infrastructure in data centers and distributed sites.



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

- Anytime, anywhere secure access to IT equipment
- The industry's only console server offering expandability to 48 USB ports
- 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
- User swappable USB I/O & RS-232 allow for easy upgrades and scalability
- Simplifies service deployments with quick expansion and customization due to the modular design
- Minimizes cable clutter with software-programmable device port pins (DTE/DCE)
- Integrates with the Lantronix vSLM™ central management solution
- FIPS 140-2 certified cryptographic encryption mode for government and military applications

Build Any Combination Up To 48 Managed Console Ports

1. Pick a Baseline Configuration



8 Port RS-232

OR



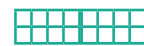
16 Port RS-232

OR



16 Port USB

2. Add up to Two Modules

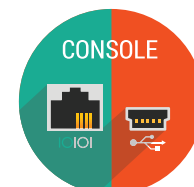


16 Port RS-232

OR



16 Port USB





Features and Specifications

Device Access

- In-Band (10/100/1000 Base – Ethernet) Dual 1 Gigabit Ethernet ports with bonding support
- Out-of-Band (Local terminal, internal modem, external gateway)

Security and Authentication

- Enterprise-grade security
- Secure Shell (SSH v1, v2, Public Key)
- Secure Sockets Layer (SSL v3, TLS v1)
- Packet filtering (firewall)
- Per port user permissions
- Configurable user rights and custom groups
- Remote authentication: LDAP, RADIUS,
- Kerberos, TACACS+, Active Directory, 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 port pins
- 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
- 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

Interfaces

- Front Panel: USB Host port, SD/SDHC slot, POTS (RJ11) modem, RS-232 console
- Back Panel: Dual 10/100/1000 Mbps Ethernet; RS-232 (RJ45) 300 to 230400 bps or USB in 16, 32, 48 ports

Operating System

- Embedded Linux

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 vSLM 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 Part 15, CE (EN55022, EN55024, EN60950), CSA, VCCI, UL/CUL, C-Tick, CB Scheme, KC*, CCC*, IPv6 ready Certified

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

Ports	SLC 8000 Part #	Description	Serial
8	SLC80081201S**	8-Port RS-232 (RJ45), Single AC Supply	
	SLC80082201S**	8-Port RS-232 (RJ45), Dual AC Supply	
16	SLC81161201S**	16-Port USB, Single AC Supply	
	SLC80161201S**	16-Port RS-232 (RJ45), Single AC Supply	
	SLC80162201S**	16-Port RS-232 (RJ45), Dual AC Supply	
32	SLC80162401S	16-Port RS-232 (RJ45), Dual DC Supply	
	SLC80321201S**	32-Port RS-232 (RJ45), Single AC Supply	
	SLC80322201S**	32-Port RS-232 (RJ45), Dual AC Supply	
48	SLC80322401S	32-Port RS-232 (RJ45), Dual DC Supply	
	SLC80481201S**	48-Port RS-232 (RJ45), Single AC Supply	
	SLC80482201S**	48-Port RS-232 (RJ45), Dual AC Supply	
	SLC80482401S	48-Port RS-232 (RJ45), Dual DC Supply	

** TAA Compliant models available, replace the “S” with “G” in the SKUs above, (e.g. SLC80321201G for 16-Port RS-232(RJ45) Single AC Supply)

Accessories

User Swappable Modules

Device Port Module	Part No: FRRJ451601	16 Device Port RS-232 (RJ45) I/O Module
Device Port Module	Part No: FRUSB1601	16 Device Port USB I/O Module
Power Supply Module	Part No: FR1ACPS01	100-240 VAC, Single Supply Module
Power Supply Module	Part No: FR2ACPS01	100-240 VAC, Dual Supply Module
Power Supply Module	Part No: FR2DCPS01	-20 to -72 VDC, Dual Supply Module

Secondary Connectivity Accessories for SLC 8000

Internal Modem	Part No: 56KINTMODEM-01	56K v.92 Internal Modem for Dial-Up Out-of-Band Connection
PremierWave XC HSPA+	Part No: PXC2102H2-01-S	3.5G Cellular Out-of-Band Connectivity Intelligent Gateway (Wireless data plan sold separately)
PremierWave XN	Part No: PXN21002-01U/E/J	802.11a/b/g/n Dual Band Wi-Fi Device Server

Ordering Information

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