



Future Proof Your Out-of-Band Management Solution with Scalability and Flexibility



Centrally Manage, Monitor, and Troubleshoot



Designed for system administrators, quality and test engineers, the SLC 8000 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 (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 SLC 8000 enables users to keep 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:

- Reduces downtime and increases efficiency with anytime and anywhere access to IT equipment
- Increases testing productivity as a DUT aggregator for automated tests and diagnostic data collection
- FIPS 140-2 certified cryptographic encryption mode for government and military applications
- Enables “mix-and-match” with USB I/O modules
- Minimizes cable clutter with software-reversible device port pins
- Integrates with vSLM[™] central management solution
- Simplifies service deployments with the modular design’s quick expansion and customization

Available I/O Configurations																																																		
Model	Ports	Final Configuration																																																
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 RS-232 or USB I/O Module

Features and Specifications

> Accessibility

- In-Band (10/100/1000 Base – Ethernet) - Dual 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 reversible 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 MIB's
- Integrated power management support—Lantronix SLP® 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 352 concurrent users and maximum 10 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

- Network: Dual 10/100/1000 Base-T RJ45 Ethernet
- Devices: 8, 16, 32, 48 RS-232 (RJ45), 300 to 230400 bps
- Console: RS-232 (RJ45), 300 to 230400 bps
- USB 2.0 High Speed, Full Speed, Low Speed
- SD card slot: SD and SDHC

> 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 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

> Certifications

- FIPS 140-2, FCC Part 15, CE (EN55022, EN55024, EN60950), CSA, VCCI, UL/CUL, C-Tick, CB Scheme, KC*, CCC*

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

Ordering Information

United States

Call: 800.422.7055

Email: sales@lantronix.com

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

NASDAQ: LTRX

Europe

Call: +31 (0) 76.52.3.6.74 4

Email: emea@lantronix.com

Asia/Pacific

Call: +852 3428.2338

Email: asiapacific_sales@lantronix.com

Japan

Call: +81.3.6277.8802

Email: japan_sales@lantronix.com

China

Call: +86.021.6237.8868

Email: Shanghai@lantronix.com

	> Part Number	> Description	> Serial
8	SLC80081201S	8-Port RJ45, 1-AC Supply	RJ45
	SLC80082201S	8-Port RJ45, 2-AC Supply	RJ45
16	SLC80161201S	16-Port RJ45, 1-AC Supply	RJ45
	SLC81161201S	16-Port USB, 1-AC Supply	USB
	SLC80162201S	16-Port RJ45, 2-AC Supply	RJ45
	SLC80162401S	16-Port RJ45, 2-DC Supply	RJ45
32	SLC80321201S	32-Port RJ45, 1-AC Supply	RJ45
	SLC82321201S	16-Port RJ45, 16-Port USB, 1-AC Supply	RJ45 USB
	SLC80322201S	32-Port RJ45, 2-AC Supply	RJ45
	SLC80322401S	32-Port RJ45, 2-DC Supply	RJ45
48	SLC80481201S	48-Port RJ45, 1-AC Supply	RJ45
	SLC80482201S	48-Port RJ45, 2-AC Supply	RJ45
	SLC80482401S	48-Port RJ45, 2-DC Supply	RJ45

> Accessories	> Part Number	> Description
Field Replaceable Modules		
Device Port Module	FRRJ451601	16-Port RJ45 I/O Module
Device Port Module	FRUSB1601	16-Port USB I/O Module
Power Supply Module	FR1ACPS01	100-240 VAC, Single Supply Module
Power Supply Module	FR2ACPS01	100-240 VAC, Dual Supply Module
Power Supply Module	FR2DCPS01	-20 to -72 VDC, Dual Supply Module
Complementary Accessories for SLC 8000		
Internal Modem	56KINTMODEM-01	56K v.92 Internal Modem for Dial-Up Out-of-Band Connection
PremierWave XC HSPA+	PXC2102H2-01-S	3.5G Cellular Out-of-Band Gateway (data plan sold separately)
PremierWave XN	PXN21002-01U/E/J	802.11a/b/g/n Dual Band Wi-Fi Device Server

