FUTURE PROOF YOUR SECURE 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.

Model shown:
48-Port Single AC Supply
(Part Number: SLC80481201S)

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 with the same interface and capabilities. The SLC 8000 enables users to leverage the command line interface of most IT equipment for reconfiguring, rebooting and reloading firmware from a single point of contact. This can be done over an in-band network with dual Gigabit Ethernet connections for both public and management networks, or through out-of-band connections including dial-up (optional internal modem, sold separately) and cellular connectivity (PremierWave® XC HSPA+ intelligent gateway, sold separately). The users can securely access and control a wide variety of IT and network equipment, including Linux, Unix or Windows® servers, routers, switches, firewalls, PBXs, UPSs, and even building access devices through their serial ports.

Modular Design

The modular design of SLC 8000 allows users to keep the main unit and 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.

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
- Reduces operating costs and security risks by eliminating the need for onsite interventions
- 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
Standard	8	
Standard	16	
Customized	24	
Standard	32	
Customized		
Customized	40	
Standard	48	
Customized		
Customized		

Standard Model   Expansion Module

LANTRONIX®

CONNECT SMART. DO MORE.

Features and Specifications

> Accessibility
- In-Band (10/100/1000 Base – Ethernet) - Dual Ethernet ports with bonding
- Out-of-Band (Local terminal, Internal Modem or USB Modem)

> Security and Authentication
- 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

> 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
- 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—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
- Local subnet search for other SLC's
- 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

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

> Certifications
- FCC Part 15, CE (EN55022, EN55024, EN60950), CSA, VCCI, UL/CUL, C-Tick, CB Scheme, NIST-certified implementation of AES (Advanced Encryption Standards) as specified by FIPS-197, IPv6 Ready, FIPS 140-2 (pending)

> Central Management
- Compatible with Lantronix' vSLM central management software

> Environmental
- Operating: 0 to 50º C (32 to 122º F), 30 to 90%RH, non-condensing
- Storage: -20 to 80º C (-4 to 176º 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

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Ordering Information

> Name	> Ports	> Power Supply	> Part Number
SLC 8000 Advanced Console Manager	8	Single AC Supply	SLC80081201S
		Dual AC Supply	SLC80082201S
	16	Single AC Supply	SLC80161201S
		Dual AC Supply	SLC80162201S
		Dual DC Supply	SLC80162401S*
	32	Single AC Supply	SLC80321201S
		Dual AC Supply	SLC80322201S
		Dual DC Supply	SLC80322401S*
	48	Single AC Supply	SLC80481201S
		Dual AC Supply	SLC80482201S
		Dual DC Supply	SLC8048241S*

* DC Supply Models Soon to be Available

> Accessories	> Part Number	> Description
Field Replaceable SLC 8000 Modules (More Modules To Be Released)		
Device Port Module	FRRJ451601	16 Device Port RJ45 I/O Module
Power Supply Module	FR1ACPS01	100-240 VAC, Single Supply Module
Power Supply Module	FR2ACPS01	100-240 VAC, 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 Connectivity Intelligent Gateway (Wireless data plan sold separately)
PremierWave XN	PXN21002-01U/E/J	802.11a/b/g/n Dual Band Wi-Fi Device Server