LANTRONIX®

SecureLinx™

SecureLinx SLP Remote Power Manager

- Reboot systems remotely
- Reduce in-rush overload with power-up sequencing
- Monitor and manage power to IT equipment from anywhere
- Ensure safe data center power load and distribution
- Save space with flexible rack mounting options
- Achieve individual on/off/reboot or group control of outlets

RoHS WEEE COMPLIANT

Secure, Remote Power Management for Servers and IT Equipment

SecureLinx™ SLP is a remote power management tool that combines intelligent power distribution, management and load-measurement for remote equipment and branch AC circuits into a practical, easy-to-use device. With SLP, system administrators can securely control the power, individually, to every piece of equipment in the data center.

Through a simple web interface, IT professionals can use SecureLinx SLP to monitor, regulate and manage power to nearly every piece of equipment in the data center – even if servers or networks are down.

SecureLinx SLP eliminates unnecessary service trips to the data center by enabling system administrators to remotely control the power supply to critical business equipment. In the event of a server problem or non-responsive system, individual servers can be rebooted and powered off and on. This is also a benefit when server configuration changes require power cycling for the change to take effect.

The ability to remotely monitor power consumption helps maintain safe loads on existing power circuits, and alerts administrators when and where additional power circuits are needed.

In order to prevent overloads caused by sudden in-rush of current when equipment is powered up, the SLP provides the ability to power up devices in a pre-determined sequence. This causes a more steady power draw, and gives system administrators the option to turn on certain devices before others. The net result is increased safety for your IT equipment, and greatly reduced downtime and service costs.

Anytime, Anywhere Solution

With SLP, network administrators monitor and manage power to data center equipment – whether it's located down the hall or across the globe from anywhere over an IP network or the Internet with a Web Browser or CLI interface – this capability provides an unprecedented level of flexibility and control, and greatly reduces the risk of costly downtime. Power to data center equipment can also be managed locally through a serial connection, or remotely from a SecureLinx Console Manager when the SLP is attached via the serial interface.

Integrated Security

Security is a top priority for IT managers. With SSH for command line interface, SSL support for web access, and remote authentication protocols, the SLP features the highest level of security of any power management product on the market. Also, with remote access to data center power supplies, you can reduce personnel traffic to the data center, keeping it more secure.

Easy to Deploy and Use

The SecureLinx SLP is extremely easy to use due to its flexibility at all levels – from easily-accessed US and international plug-style connectors, to mounting options, to software functionality. Best of all, you can use a standard web browser both for setup and operation.

Features

Accessibility
- In-Band (10/100 Base-T Ethernet)
- Out-of-Band (RS-232 console port)

Security
- Secure Shell (SSH v2)
- Secure Sockets Layer (SSL v3, TLS v1)

Authentication
- Local Username/Password
- Remote Authentication: LDAP, TACACS+, Active Directory

Data Capture and Notification
- Remote Syslog Server support
- Event and authentication logs
- Event notification via SNMP traps and E-mail
- Environmental monitoring via optional temperature/humidity probe

Management
- HTTP/HTTPS GUI interface
- Command line interface (telnet, SSH, or direct RS-232)
- SNMP MIB and traps
- Group control of multiple outlets during on/off/reboot
- Outlet configuration includes "Power-on-Delay" and "Sequence Interval"
- LED Input Current Monitor for onsite aggregate load verification
- LEDs indicate individual receptacle power status

Additional Protocols Supported
- DHCP for dynamic IP address assignment
- SNTP for time synchronization
- FTP for firmware updates and configuration save/restore
- DNS for text-to-IP address name resolution

Hardware

Interfaces
Network: 10/100 Base-T Ethernet
Console: RS-232 (RJ45)
Temperature/Humidity Sensors: RJ12
Outlets: NEMA 5-20R or IEC60320/C13 (see order information matrix below)
Link port: RJ12 (to connect power expansion unit)

Power Requirements
Input: 100-120 VAC or 208-240 VAC (see order information matrix below)

Environmental
Operating: 0 to 50° C (32 to 122° F)
Storage: -40 to 85° C (-40 to 185° F)
Relative Humidity: 10 to 90%, non-condensing

Physical
Dimensions (LxWxH)
SLPH and SLPX (1U) – 17.78 x 43.18 x 4.445 cm (7.0 x 17.0 x 1.75 in)
SLPV and SLPY (Zero U) – 5.715 x 4.445 x 165.10 cm (2.25 x 1.75 x 65.0 in)
Shipping Weight:
SLPH and SLPX – 8.2 lbs., 3.72 kg
SLPV and SLPY – 13.2 lbs., 5.99 kg

Certification
FCC Class A, Part 15
cTUVus (US & Canada) to UL 60950:2003 and CAN/CSA 22.2 No 60950-1-03
European Union (TUVGS mark) to EN 60950-1:2001

Warranty
2-year limited warranty

Ordering Information

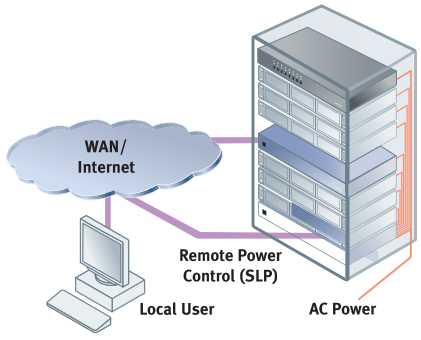
Part Number	Description	Rated Amperage	Input Voltage	Inlet Type	Outlet Type	Ethernet
8 Port Models						
SLPH0811E-02	Remote Power Manager, 1U, 8-Port	20A	100-120 VAC, 50/60Hz	IEC 60320/C20	(8) NEMA 5-20R	10/100
SLPH0812E-02	Remote Power Manager, 1U, 8-Port	20A	208-240 VAC, 50/60Hz	IEC 60320/C20	(8) IEC60320/C13	10/100
*SLPH0814G-02	Remote Power Manager, 1U, 8-Port	30A	208-240 VAC, 50/60Hz	Integrated cord NEMA L6-30P	(8) IEC60320/C13	10/100
**SLPX0811E-02	Remote Power Expansion Unit, 1U, 8-Port	20A	100-120 VAC, 50/60Hz	IEC 60320/C20	(8) NEMA 5-20R	No
**SLPX0812E-02	Remote Power Expansion Unit, 1U, 8-Port	20A	208-240 VAC, 50/60Hz	IEC 60320/C20	(8) IEC60320/C13	No
16 Port Models						
SLPV1611E-02	Remote Power Manager, 0U, 16-Port	20A	100-120 VAC, 50/60Hz	IEC 60320/C20	(16) NEMA 5-20R	10/100
SLPV1612E-02	Remote Power Manager, 0U, 16-Port	20A	208-240 VAC, 50/60Hz	IEC 60320/C20	(16) IEC60320/C13	10/100
*SLPV1614G-02	Remote Power Manager, 0U, 16-Port	30A	208-240 VAC, 50/60Hz	Integrated cord NEMA L6-30P	(16) IEC60320/C13	10/100
**SLPY1611E-02	Remote Power Expansion Unit, 0U, 16-Port	20A	100-120 VAC, 50/60Hz	IEC 60320/C20	(16) NEMA 5-20R	No
**SLPY1612E-02	Remote Power Expansion Unit, 0U, 16-Port	20A	208-240 VAC, 50/60Hz	IEC 60320/C20	(16) IEC60320/C13	No

Optional accessories listed below. One power inlet cord is required for each SLP unit.

SLPP12310-01	Inlet cord: IEC60320/C19 to NEMA 5-15P (15A), 8 Ft.	SLPP12A08-01	Inlet cord: IEC60320/C19 to AS 3112 (AUS/NZ), 8 Ft.
SLPP12410-01	Inlet cord: IEC60320/C19 to NEMA 5-20P (20A), 8 Ft.	SLPP12B08-01	Inlet cord: IEC60320/C19 to SI32 (ISRAEL), 8 Ft.
SLPP12510-01	Inlet cord: IEC60320/C19 to NEMA L5-20P (20A, twist lock), 8 Ft.	SLPP12C08-01	Inlet cord: IEC60320/C19 to CHINA/GB (CHINA), 8 Ft.
SLPP12610-01	Inlet cord: IEC60320/C19 to NEMA L6-20P (20A-TWIST), 8 Ft.	500-186-R	Inlet cord: IEC60320/C19 to SEV1011 (SWISS), 8 Ft.
SLPP12810-01	Inlet cord: IEC60320/C19 to Schuko (EU), 8 Ft.	SLPP81107-01	Outlet cord set: IEC60320/C13 to IEC60320/C14, pk. of 8, 7 Ft.
SLPP12910-01	Inlet cord: IEC60320/C19 to BS1363 (UK), 8 Ft.	SLPM1TH10-01	Temperature and humidity probe, 10 Ft.

* Includes an integrated NEMA-Locking power inlet cord (L6-30P) rated at 230V, 30 AMPs.
** Includes RJ12 link cable.

SLPH08IIE-02



The SecureLinx SLP Expansion Chassis ('SLPX' and 'SLPY') are available in a 8-port and 16-port models. They enable you to attach additional outlets to the master remote power management unit ('SLPH' and 'SLPV') via an included RJ12 link cable, and manage separate power circuits from a single IP address and web page.

SLPV1611E-02

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