



Branch Office Manager

- ▶ **Manages servers and distributed IT equipment at remote branch office locations with a single, space-saving appliance**
- ▶ **Integrates secure console management (8 serial ports), remote power management (4 power outlets) and an 8-port Ethernet switch into a 1U rack-mountable solution**
- ▶ **Compact design ideally suited to meet the unique needs of remote branch office environments**
- ▶ **Provides the highest levels of encryption and security to ensure data assets are protected**
- ▶ **Works seamlessly with SecureLinX Spider™ Distributed KVM for a complete all-in-one distributed IT management solution**



The Consolidated Management Solution for the “Distributed IT” Environment

The SecureLinX™ Branch Office Manager (SLB) enables administrators to securely manage remote servers and IT infrastructure equipment over the Internet. This innovative device combines the capabilities of the award-winning SecureLinX SLC Secure Console Manager along with remote power management and an Ethernet switch into a compact, 1U rack-mountable appliance. Designed to meet the specific needs of satellite facilities, SLB conserves rack space and reduces cost by enabling system administrators at headquarters to simply and cost-effectively manage the IT equipment distributed among branch offices.

Personnel in offices apart from corporate headquarters often face unique challenges when it comes to managing IT equipment such as servers, routers, switches, firewalls, VPNs, PBX and UPS systems. Often, there is no dedicated, or on-site system administrator. Therefore, when issues with networked equipment arise, they require a consultant or excessive phone time with corporate technical support – both adding cost and potentially extending downtime. And rack space, as well as dedicated air conditioning and sufficient power resources for data center grade equipment, is usually limited.

Built Specifically for the Branch Office

SecureLinX SLB is ideal for locations with a handful of servers and/or networked devices and where there is little or no on-site IT staff, such as branch offices or campus environments in a variety of industries including banking, finance, insurance, healthcare, retail sales, hospitality and education. It delivers secure remote management for up to eight serial devices, and power management (on/off/reboot) for up to four devices. It also includes an 8-port Ethernet switch with 10/100Base-T unmanaged Ethernet ports and Auto MDI/MDIX functionality.

A total out-of-band solution, the SLB enables administrators to centrally monitor, manage and troubleshoot IT equipment even if the network or Internet is down.

Because it integrates console management, power management and an Ethernet switch into a single unit, satellite facilities are not forced to purchase separate solutions that are designed for the enterprise data center (and excessive for the remote branch office). By consolidating three essential functions it saves space, simplifies deployment and lowers the cost of managing a “distributed IT” environment.

Enterprise IT Security for the Branch

Because protecting IT assets is a top priority, SecureLinX SLB provides SSH/SSL data encryption and features NIST-certified AES encryption. It also supports remote authentication for integration with other systems already in place. For added protection, it includes a firewall that filters connection attempts to a specified IP address, port, or protocol based on a defined rule set.

Easy to Deploy and Use

The Branch Office Manager is very simple to set up. After connecting the unit and assigning an IP address locally, administrators back at corporate can do the complete configuration remotely. A front panel LCD with keypad, “quick setup” Web interface and a command line interface (CLI) setup script are all available. The comprehensive online help system includes context-sensitive information during configuration and operation.

The Flexible, Scalable and Complete Distributed IT Solution

SecureLinX SLB can be coupled with a SecureLinX Spider™ distributed KVM over IP switch to add BIOS-level server management. Together they are a flexible, scalable and affordable solution for managing distributed IT assets. Spider delivers secure, non-blocked access to servers without the need for any additional client software. With a server-powered, zero-U design, it takes no rack space and does not require an external power supply.





Features and Specifications

Accessibility

- In-Band (Ethernet) - Dual Ethernet ports
- Out-of-Band (Local terminal, PC Card Modem or External 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
- Remote authentication: LDAP, Active Directory, NIS, RADIUS, Kerberos, TACACS+

Serial Device Port Access

- Telnet/SSH to 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
- Sun break-safe
- Customizable multi-level user menus

Data Capture and Notification

- Port buffering – 256 KB per port
- Port logging to local files, PC card Ext2 & Fat/Fat32, remote NFS files (simultaneously)
- Local logging viewable via CIFS
- System event logs
- Console event notification (e-mail)
- Event string recognition (RegExp)

Management

- Front panel keypad/LCD display for network setup and outlet status
- Quick setup and configuration via web or CLI
- Command line interface (Telnet, SSH, web Telnet/SSH or direct serial)
- SNMP (MIB II) compatible - v1, v2, v3, custom MIB's
- Diagnostics and port status counters
- Configuration audit log

Power Management

- Individual outlet control: on/off/reboot
- Configure "power on delay" of individual outlets
- Over current monitor/alarm
- Total current load monitoring for all outlets

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, TCP & UDP, PPP w/PAP/CHAP, NFS and CIFS for connections in and out of the SLC
- RIP and RIPv2

Environmental

- Operating Temp: 0°-50°C (32°-122°F)
- Storage Temp: -20°-70°C (-4°-158°F)
- Relative Humidity: 10 to 90%, non-condensing
- Heat flow rate: 68 BTU per hour
- Current Measurement Accuracy: +/- 12%

Interfaces

- Network:** Two 10Base-T/100Base-TX (RJ45) Ethernet
- Serial Device Ports:** 8-Ports, RS-232 (RJ45), 300 to 115200 bps
- Ethernet Switch:** 8-Ports, 10Base-T/100Base-TX (RJ45), auto MDI/MDIX, unmanaged
- Power Outlets:** 4-Ports, 110 VAC or 220 VAC (see order information matrix below)
- Power Input:** Universal AC, 100-240 VAC, 50 or 60 Hz (IEC60320/C20 connector)
- Console Port:** RS-232 (RJ45), 300 to 115200 bps
- PC Card Slots:** Two 32-bit CardBus slots

Operating System

Embedded Linux

Power Consumption

Less than 20W max

Physical

- Dimensions (LxWxH):** 30.5 x 43.8 x 4.4 cm (12 x 17.25 x 1.75 in.), 1U
- Weight:** 10 lbs. maximum, depending on options
- Shipping weight:** 14 lbs. maximum

Certifications

FCC PART 15, CE (EN55022, EN55024, EN60950-1), VCCI, C-TICK, UL/CUL, NIST-certified implementation of AES (Advanced Encryption Standards) as specified by FIPS-197 (uses SLC-SSH algorithm)

Warranty

2-year limited warranty

Ordering Information – SecureLinux SLB

Part Number	Description	Serial Device Ports	Ethernet Switch Ports	Power Outlets	Power Input Type	Power Outlet Voltage	Power Outlet Type	Max Outlet Rating	Max Input Current
SLB 088411-01	Branch Office Manager, 1U, 110VAC Output	8	8	4	IEC 60320/C20	100-120 VAC, 50/60Hz	NEMA 5-15R	15A/12A ³	16A/12A ⁴
SLB 088412-01	Branch Office Manager, 1U, 220VAC Output	8	8	4	IEC 60320/C20	208-240 VAC, 50/60Hz	IEC 60320/C13	10A	15A

Included Accessories

Part Number	Description
200.2066A	Adapter: RJ45 to DB25M (DCE)
200.2067A	Adapter: RJ45 to DB25F (DCE)
200.2069A	Adapter: RJ45 to DB9M (DCE)
200.2070A	Adapter: RJ45 to DB9F (DCE)
ADP010104-01	Adapter: RJ45 Rolled serial, 0.1m (0.33 Ft.)
500-184-R	Cable: RJ45 to RJ45, Cat-5, .3m (1 Ft.)
200.0063	Cable: RJ45 to RJ45, Cat-5, 2m (6.6 Ft.)
500-153	Cable: RJ45 Loopback
500-137*	Cable: RJ45 to RJ45, Rolled serial, 3m (9.8 Ft.)
56KMODEMCARD-02*	Modem: PC card v.92, RoHS

Included Power Cords

Part Number	Description
SLPP12310-01 ¹	Inlet cord: IEC60320/C19 to NEMA 5-15P (15A), 8 Ft.
SLPP12810-01 ²	Inlet cord: IEC60320/C19 to Schuko (EU), 8 Ft.
SLPP12910-01 ²	Inlet cord: IEC60320/C19 to BS1363 (UK), 8 Ft.
SLPP12A08-01 ²	Inlet cord: IEC60320/C19 to AS 3112 (AUS/NZ), 8 Ft.
SLPP12410-01*	Inlet cord: IEC60320/C19 to NEMA 5-20P (20A), 8 Ft.
SLPP12510-01*	Inlet cord: IEC60320/C19 to NEMA L5-20P (20A, twist lock), 8 Ft.
SLPP12610-01*	Inlet cord: IEC60320/C19 to NEMA L6-20P (20A-TWIST), 8 Ft.
SLPP12B08-01*	Inlet cord: IEC60320/C19 to SI32 (ISRAEL), 8 Ft.
SLPP12C08-01*	Inlet cord: IEC60320/C19 to CHINA/GB (CHINA), 8 Ft.
500-186-R*	Inlet cord: IEC60320/C19 to SEV1011 (SWISS), 8 Ft.
SLPP41107-01*	Outlet cord set: IEC60320/C13 to IEC60320/C14, pkg of 4, 6 Ft.

* Not included - purchase separately.

¹ Included with the 110V model. ² Included with the 220V model. ³ The SLB088411-01's max outlet rating is de-rated to 12A when using the supplied NEMA 5-15P (15A) cable (p/n SLPP012310-01) and de-rated to 15A when using the optional NEMA 5-20P (20A) cable (p/n's SLPP012410-01, SLPP012510-01, SLPP012610-01). ⁴ The SLB088411-01's max input current is de-rated to 12A when using the supplied NEMA 5-15P (15A) cable (p/n SLPP012310-01) and de-rated to 16A when using the optional NEMA 5-20P (20A) cable (p/n's SLPP012410-01, SLPP012510-01, SLPP012610-01).



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