

Enterasys 89000 Mid-Span PoE

Mid-Span Power over Ethernet Hubs



Safe, efficient Power-over-Ethernet for IP phones, wireless access points and other low-voltage devices

Chassis supports up to 10 or 20 individual power modules for scalability

Standards based for complete interoperability

Product Overview

Enterasys Mid-Span Power Hubs provide a safe and efficient way to power IP phones, wireless LAN access points, security cameras and other LAN devices without using an external power supply for each device.

Power is supplied over the existing LAN data cabling system, greatly improving the range of installation locations for such devices since they no longer need to be located near a power outlet. It also adds an unprecedented level of safety and reliability for powered LAN devices.

The Enterasys BL-89000ENT Mid-Span Power Hub is available in 10-slot or 20-slot rackmount chassis that can accommodate up to 10 or 20 individual modules, respectively. Each module is hot-swappable so that modules may be added to the chassis without powering down the unit.

For safety, each module has its own DC-to-DC converter, which is voltage-isolated from the other ports. Each module is separately fused and protected from any unexpected current surge. If a power surge should occur, either through a building electrical system or lightning strike, the Mid-Span Power Hubs take the force and help protect the valuable equipment attached.

If an individual power module is damaged due to misuse or a very large power surge, the unit may be hot swapped without powering down the chassis or disconnecting the devices attached to other power modules in the chassis.

When used with an uninterruptible power supply, the Mid-Span Power Hubs provide non-stop power for up to 10 or 20 connected devices. Continuous operation of powered LAN devices is assured, while costly downtime is avoided. The Mid-Span Power Hubs also eliminate the need to install costly uninterruptible power supplies for each powered LAN device, saving time and money.

The Mid-Span Power Hubs are tailored to provide maximum value in convergence network applications. External power supplies normally required for IP phones become unnecessary. Power is now supplied by the Mid-Span Power Hubs to the phones over the existing LAN cabling infrastructure. A device-detection circuit provides invaluable protection from overvoltage damage when connecting expensive devices, such as IP phones or laptops, to the network.

Benefits

Power-over-Ethernet cabling system for increased reliability

- Provides power to IP phones, wireless LAN access points, security cameras, and other low-voltage devices
- Extends range of installation locations

Accommodates 10 or 20 individual power modules

- Current-limited for short circuit protection with power isolation of 1000Vrms
- Replaceable fuses enable recovery from power surge or lightning damage
- Modules auto-detect power requirement and offer transparent 10/100 Mbps operation
- Four diagnostic LEDs

Hot swappable for continued operation

- Add or remove modules without powering down the unit or disconnecting other attached devices

Standards based 802.3af power to ensure interoperability

**There is nothing more important
than our customers.**

Specifications

Physical Specifications

Dimensions

10 slot: 25.4 cm (10") W x 37.47cm (14.75") D x 8.89 cm (3.5") H

20 slot: 48.26 cm (19") Wx 45.72 cm (18") D x 8.89 cm (3.5") H

Net Weight

10 slot: 3.63 kg (8 lbs)

20 slot: 7.49 kg (16.5 lbs)

Module Type

Removable, hot swappable

Interfaces

BL-69524ENT 24-ports, female RJ45 Data+Power over Ethernet

BL-69108ENT 8-ports, female RJ45 Data+Power over Ethernet

BL-69551ENT 1-port, female RJ45 Data+Power over Ethernet

Port Type

ALL Shielded jacks for Category 5 UTP (two-pair wire) or 100-ohm STP (two-pair wire), distance: 100 meters

Chassis Type

19" Rackmount

Power Requirements

LED Indicators/Module

Detect (green)

Fuse blown (yellow)

Power from chassis (green)

Power forwarding/power out (green)

10/20 Slot AC Power Input

Voltage: 90-264V autoranging (46Hz - 63Hz)

Connector: 3-pin with ground

Chassis grounding: yes

Power supply: single

DC Port Power Output

Power enabling: IEEE 802.3af

Power pins: unused pairs, pins 4, 5(+), 7, 8(-)

Maximum power/port: 15.6W

Port-to-port isolation: 1000Vrms

Overload protection: If current reaches 400-450mA for 300-400 milliseconds, then the port shuts down

Environmental Specifications

Operating Temperature

0° C to 40° C (32° F to 105° F)

Non-Operating Temperature

-10° C to 60° C (14° F to 140° F)

Relative Humidity

10% to 90% non-condensing

Operating Altitude

-1,000 to 10,000 feet

Agency and Standards Certifications

Safety

UL 60950, CSA C22.2 No. 60950, 73/23/EEC, EN 60950, IEC 60950

Electromagnetic Compatibility (EMC)

47 CFR Parts 2 and 15, CSA C108.8, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, AS/NZS CISPR 22, VCCI V-3

Standards

IEEE 802.3af, IEEE 802.3u

Ordering Information

| Part Number | Chassis only, 19" rackmount ready |
|-------------|---|
| BL-89220ENT | 20-slot Mid-Span Power Hub chassis |
| BL-89210ENT | 10-slot Mid-Span Power Hub chassis |
| Part Number | Chassis, Complete with 20 Chassis Modules |
| BL-89520ENT | 20 power and data modules; IEEE 802.3af |
| Part Number | Chassis Modules, Individual |
| BL-89500ENT | IEEE 802.3af power and data module |
| Part Number | Cover Plates for Unused Slots |
| BL-89201ENT | Single-slot cover plate |
| BL-89205ENT | Five-slot cover plate |

Warranty

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

Service and Support

Enterasys understands that superior service and support is a critical component of Secure Networks™. The Enterasys SupportNet Portfolio—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite, or over the phone—to maintain your network availability and performance.

Contact Us

For more information, call Enterasys Networks toll free at **1-877-801-7082**, or +1-978-684-1000 and visit us on the Web at enterasys.com



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