

Enterasys 69000 Mid-Span PoE Family

Mid-Span Power over Ethernet Hubs



Provision PoE across your network
without a forklift upgrade

Leverage the advantages of modularity to
“pay as you grow”

Deploy PoE only where you need it

Product Overview

The Enterasys Mid-Span Power products in the BL-69000 family 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.

There are three distinct products in the BL-69000 family:

BL-69524ENT

A mid-span rack-mountable power hub with 24-ports of standards-based PoE. The hub uses three modules with eight PoE ports each. All modules are hot-swappable so that they may be added to the chassis without powering down the unit. If an individual power port is damaged due to a lightning strike or power surge, the module bank may be hot swapped without powering down the chassis or disconnecting the devices attached to other power ports in the chassis.

BL-69108ENT

A mid-span power hub with 8-ports of standards-based PoE. The unit is rack-mountable with the optional mounting kit and contains one module with eight PoE ports.

BL-69551ENT

A mid-span power injector with 1-port of standards-based PoE.

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

The Mid-Span Power solution is 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 solution to the phones over the existing LAN cabling infrastructure. A device-detection circuit provides invaluable protection from overvoltage damage if an incorrect device, such as a laptop computer, is accidentally attached to the network.

Benefits

Mid-Span Power-over-Ethernet

- Provides power to IP phones, wireless LAN access points, security cameras, and other 802.3af compliant devices
- Long-drive power extends range of installation locations
- Modules auto-detect power requirement and offer transparent 10/100 Mbps operation
- Current-limited for short circuit protection with power isolation of 1500Vrms

Product family provides deployment flexibility

- Ability to deploy from 1 to 24 ports of PoE for complex environments
- Add or remove modules without powering down the unit or disconnecting other operational modules

Standards based to ensure interoperability

- IEEE 802.3af

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

Specifications

Physical Specifications

Dimensions

BL-69524ENT	44.5 cm (17.5") x 41.3 cm (16.3") x 4.45 cm (1.75")
BL-69108ENT	35.0 cm (12.0") x 31.7 cm (10.5") x 4.45 cm (1.75")
BL-69551ENT	14.0 cm (5.50") x 6.50 cm (2.50") x 3.60 cm (1.40")

Net Weight

BL-69524ENT	9.0 kg (20.0 lbs)
BL-69108ENT	1.5 kg (3.00 lbs)
BL-69551ENT	0.2 kg (0.44 lbs)

Module Type

BL-69524ENT	modules are removable and hot swappable
BL-69524ENT	modules are removable and hot swappable
BL-69551ENT	N/A

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

BL-69524ENT	19" rack-mountable with 24 ports
BL-69108ENT	Desktop or rack-mountable with optional mounting kit
BL-69551ENT	Standalone

Power Requirements

- AC Power Input
Voltage, Frequency: 90-264V auto-ranging (46Hz - 63Hz)
Connector: 3-pin with ground
Chassis grounding: yes
Power supply: single
- LED Indicators/Module
Detect/Power Forwarding (blue)
Module Power (green)
- PoE
Power enabling: IEEE 802.3af
Power pins: unused pairs, pins 4, 5(+), 7, 8(-)
Maximum power/port: 15.4W
Maximum power, all ports active: 24@15.4W each
Module-to-module isolation: 1500Vrms
Overload protection: If current reaches 400-450mA for 300-400 milliseconds, then the port shuts down

MTBF

For more product details: www.enterasys.com/support/mtbf

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: 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	Description
Product Category 1	
BL-69224ENT	3-slot (up to 24 ports) Mid-Span Power Hub (Chassis Only)
BL-69524ENT	24 power and data ports; IEEE 802.3af compatible (Chassis and Modules)
BL-69108ENT	8 power and data ports; IEEE 802.3af compatible (Chassis and Modules)
BL-69108-RMENT	Rack-mount kit for the BL-69108ENT (Rack mount kit)
BL-69500ENT	8-port IEEE 802.3af power module for use in BL-69000 chassis (Power module only)
BL-69201ENT	Blank plate to block off one power module slot for use in BL-69000 chassis (Cover plate)
BL-69551ENT	Single port stand-alone power injector. (Power injector)

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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Delivering on our promises. On-time. On-budget.