

10/100/1000 Mbps PoE Switching Media Converter

PoE Giga-McBasic LFPT



PRODUCT FEATURES

- Connects 10/100/1000 Mbps copper to 100 or 1000 Mbps fiber SFP or 10/100/1000 Mbps or 1000 Mbps copper SFP
- Supports Jumbo Frames (up to 10240 bytes)
- Rugged standalone metal enclosure with internal power supply
- Features configurable PoE reset on Fiber Loss of Signal (LOS)
- Supports LFPT, a diagnostic feature that can be enabled to assist the end user in troubleshooting a failed segment
- Supports IEEE 802.3af PoE (15.4W)

The PoE Giga-McBasic LFPT are the perfect solutions for network applications that require Power over Ethernet for locations inside buildings where PoE is required to power an Ethernet device. Their small, table-top design and durability make them perfect for installation anywhere space is limited. Additionally, both units are manufactured with an internal AC power supply. This feature significantly increases reliability over products that use awkward, external AC/DC power transformers.

The PoE Giga-McBasic LFPT unit comes with one SFP or fixed fiber transceiver, one PoE/PSE 10/100/1000Base-T copper port that provides 15.4 Watts of power with data, and one 10/100/1000 Mbps copper port to connect a non-PoE unit to the same fiber uplink. A Link Fault Pass Through DIP Switch is available, to enable a link LED troubleshooting feature.

As a fiber-fed media converter, it provides both power and data to a remote device over standard CAT5, eliminating the need for additional power to the remote device. The copper ports Auto Negotiate to the connected device's speed and duplex mode: 10 Mbps, 100 Mbps or 1000 Mbps, and HDX or FDX (including Flow Control). Additionally, both models support jumbo frames up to 10240 bytes.

ACCESSORIES

895-39226 - Rackmount Bracket

895-39227 - Wallmount Brackets

895-39949 - Rackmount Shelf

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
PoE Giga-McBasic LFPT *					
852-11811	SFP	1	Various	2	RJ45
852-11812	SX-MM850-SC	1	220/550 m	2	RJ45
852-11813	LX-MM1300-SC	1	2 km	2	RJ45
852-11814	LX-SM1310-SC	1	10 km	2	RJ45
852-11815	LX-SM1310/PLUS-SC	1	40 km	2	RJ45
852-11816	LX-SM1550/LONG-SC	1	80 km	2	RJ45
852-11817	LX-SM1550/XLONG-SC	1	100 km	2	RJ45
PoE Giga-McBasic LFPT Single-Strand Fiber **					
852-11820	SSLX-SM1310-SC (1310 xmt/1550 rcv)	1	15 km	2	RJ45
852-11821	SSLX-SM1550-SC (1550 xmt/1310 rcv)	1	15 km	2	RJ45
852-11822	SSBX-SM1310-SC (1310 xmt/1490 rcv)	1	10 km	2	RJ45
852-11823	SSBX-SM1490-SC (1490 xmt/1310 rcv)	1	10 km	2	RJ45
852-11824	SSLX-SM1310/PLUS-SC (1310 xmt/1550 rcv)	1	40 km	2	RJ45
852-11825	SSLX-SM1550/PLUS-SC (1550 xmt/1310 rcv)	1	40 km	2	RJ45
852-11826	SSBX-SM1490/PLUS-SC (1490 xmt/1310 rcv)	1	30 km	2	RJ45
852-11827	SSBX-SM1310/PLUS-SC (1310 xmt/1490 rcv)	1	30 km	2	RJ45
852-11828	SSLX-SM1490/LONG-SC (1490 xmt/1550 rcv)	1	70 km	2	RJ45
852-11829	SSLX-SM1550/LONG-SC (1550 xmt/1490 rcv)	1	70 km	2	RJ45

* SFP Fiber sold separately

** These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

PoE Giga-McBasic LFPT also available in CWDM Fiber. Call for details.

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SPECIFICATIONS

TECHNICAL

IEEE 802.3 10Base-T twisted pair
 IEEE 802.3u 100Base-TX twisted pair
 IEEE 802.3af Power over Ethernet
 IEEE 802.3at Power over Ethernet Plus
 IEEE 802.3u Auto-Negotiation
 RFC-2474
 RFC-2475 DiffServ QoS
 Plug-and-play operation
 Accepts RJ-45 and SFP or SC connectors
 50/125µm or 62.5/125µm multi-mode fiber
 9/125µm single-mode fiber
 Single-strand fiber and CWDM models
 FX and TX Auto Negotiation
 AutoCross for MDI/MDIX
 MTU: Supports Jumbo Frames up to 10240 bytes
 Link Fault Pass Through (LFPT)

MECHANICAL

Dimensions 1.46"H x 4.76"W x 7.32"D
 (3.71 cm x 12.09 cm x 18.59 cm)
 Shipping Weight 1.3 lbs (0.58 kg)

INPUT SPECIFICATIONS

100-240 ±10% VAC, 50/60Hz, 0.5A to 0.2A

POWER CHARACTERISTICS

Consumes less than 10 watts (heating) plus PSE power
 IEEE802.3af Power to field < 15.5 watts

ENVIRONMENTAL

Operating Temperature +32° to +122° F (0° to +50° C)
 Storage Temperature: -40° to +185° F (-40° to +85° C)
 Operating Humidity 5% to 95% (non-condensing)

REGULATORY APPROVALS

FCC Class A
 UL/cUL, CSA, CE

MECHANICAL DIAGRAM

(dimensions in inches)

