

10/100/1000 Mbps PoE+ Switching Media Converter

PoE+ Giga-McBasic LFPT



PRODUCT FEATURES

- Converts 10/100/1000Mbps copper to fixed gigabit fiber
- Converts 10/100/1000Mbps copper to SFP on some models; SFP can support 100Mbps fiber, 1000Mbps fiber or 10/100/1000Mbps copper
- Supports Jumbo Frames (up to 10240 bytes)
- Supports LFPT, a diagnostic troubleshooting feature
- Features configurable PoE reset on Fiber Loss of Signal (LOS)
- Supports IEEE 802.3at PoE+ (25.5W) standards

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. An LFPT DIP Switch is available to enable for diagnostic troubleshooting.

The PoE+ Giga-McBasic LFPT unit comes with one SFP or fixed fiber transceiver and two PoE/PSE 10/100/1000Base-T copper. Each port provides 25.5 Watts of power with data.

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 *					
852-11911	SFP	1	Various	2	RJ45
852-11912	SX-MM850-SC	1	220/550m	2	RJ45
852-11913	LX-MM1300-SC	1	2 km	2	RJ45
852-11914	LX-SM1310-SC	1	10 km	2	RJ45
852-11915	LX-SM1310/PLUS-SC	1	40 km	2	RJ45
852-11916	LX-SM1550/LONG-SC	1	80 km	2	RJ45
852-11917	LX-SM1550/XLONG-SC	1	100 km	2	RJ45
PoE+ Giga-McBasic LFPT Single-Strand Fiber **					
852-11920	SSLX-SM1310-SC (1310 xmt/1550 rcv)	1	15 km	2	RJ45
852-11921	SSLX-SM1550-SC (1550 xmt/1310 rcv)	1	15 km	2	RJ45
852-11922	SSBX-SM1310-SC (1310 xmt/1490 rcv)	1	10 km	2	RJ45
852-11923	SSBX-SM1490-SC (1490 xmt/1310 rcv)	1	10 km	2	RJ45
852-11924	SSLX-SM1310/PLUS-SC (1310 xmt/1550 rcv)	1	40 km	2	RJ45
852-11925	SSLX-SM1550/PLUS-SC (1550 xmt/1310 rcv)	1	40 km	2	RJ45
852-11926	SSBX-SM1490/PLUS-SC (1490 xmt/1310 rcv)	1	30 km	2	RJ45
852-11927	SSBX-SM1310/PLUS-SC (1310 xmt/1490 rcv)	1	30 km	2	RJ45
852-11928	SSLX-SM1490/LONG-SC (1490 xmt/1550 rcv)	1	70 km	2	RJ45
852-11929	SSLX-SM1550/LONG-SC (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)

