



# 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. 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
<b>PoE+ Giga-McBasic LFPT *</b>					
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
<b>PoE+ Giga-McBasic LFPT Single-Strand Fiber **</b>					
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)

