

10/100 Mbps PoE Media Converter

PoE McBasic LFPT



PRODUCT FEATURES

- 3 convenient ports - one 100 Mbps fixed fiber uplink port, one 10/100Base-T PoE/PSE port, and one 10/100 Mbps copper port
- Supports Jumbo Frames (up to 10240 bytes)
- 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) standards

The PoE McBasic LFPT is the perfect solution for network applications that require Power over Ethernet for locations inside buildings where PoE is required to power an Ethernet device. The PoE McBasic LFPT offers three ports - a 100 Mbps fiber uplink for the network connection, one PoE/PSE 10/100Base-T copper port that provides Power over Ethernet, and one 10/100 Mbps copper port to connect a non-PoE unit to the same fiber uplink.

As a fiber-fed media converter, it provides both power (up to 15.4 Watts) and data to a single remote device over standard CAT5, eliminating the need for additional power to the device. The copper ports Auto Negotiate to the connected device's speed and duplex mode: 10 Mbps or 100 Mbps, and HDX or FDX (including Flow Control). Additionally, the PoE McBasic LFPT supports jumbo frames up to 10240 bytes.

The PoE McBasic's LFPT small, table-top design and durability makes it ideal for installation anywhere space is limited. Additionally, the PoE McBasic comes with an internal AC power supply. A Link Fault Pass Through DIP Switch is located on the bottom of the unit, to enable for link LED troubleshooting.

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 McBasic LFPT					
852-11712	MM850-ST	1	2 km	2	RJ45
852-11713	MM850-SC	1	2 km	2	RJ45
852-11714	MM1300-ST	1	5 km	2	RJ45
852-11715	MM1300-SC	1	5 km	2	RJ45
852-11716	SM1310/PLUS-ST	1	40 km	2	RJ45
852-11717	SM1310/PLUS-SC	1	40 km	2	RJ45
852-11718	SM1310/LONG-ST	1	80 km	2	RJ45
852-11719	SM1310/LONG-SC	1	80 km	2	RJ45
852-11720	SM1550/LONG-SC	1	80 km	2	RJ45
PoE McBasic LFPT Single-Strand Fiber *					
852-11730	SSFx-M1310-SC (1310 xmt/1550 rcv)	1	20 km	2	RJ45
852-11731	SSFx-SM1550-SC (1550 xmt/1310 rcv)	1	20 km	2	RJ45
852-11732	SSFx-SM1310/PLUS-SC (1310 xmt/1550 rcv)	1	40 km	2	RJ45
852-11733	SSFx-SM1550/PLUS-SC (1550 xmt/1310 rcv)	1	40 km	2	RJ45
852-11734	SSFx-SM1310/LONG-SC (1310 xmt/1550 rcv)	1	60 km	2	RJ45
852-11735	SSFx-SM1550/LONG-SC (1550 xmt/1310 rcv)	1	60 km	2	RJ45

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

PoE 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 802.3u Auto-Negotiation
 RFC-2474
 RFC-2475 DiffServ QoS
 Plug-and-play operation
 Accepts RJ-45, SC and ST 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 DIP Switch

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 <15.4 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)

