

10/100 Mbps PoE Media Converters

PoE McBasic LFPT series

B+B SMARTWORX

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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 (PoE) for locations inside buildings where PoE is required to power an Ethernet device. The PoE McBasic LFPT series offers three ports: one 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 (LFPT) DIP switch is located on the bottom of the unit, to enable for link LED troubleshooting.

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
852-11715	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

ACCESSORIES

895-39226 - Rackmount Bracket

895-39227 - Wallmount Brackets

895-39949 - Rackmount Shelf

All product specifications are subject to change without notice.
PoE-McBasic-LFPT_4517ds

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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 (PoE)
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 (LFPT) 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

units = inches

