# PoE & PoE+ Switching Media Converters – 10/100/1000 Mbps

## PoE & PoE+ Giga-McBasic LFPT series

B+B SmartWorx
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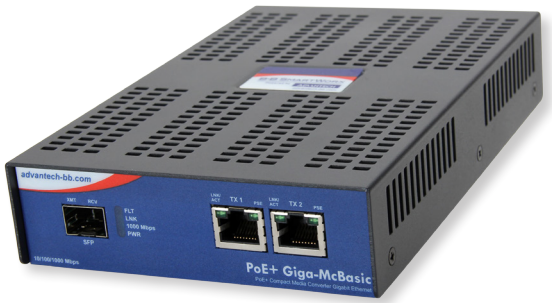


### PRODUCT FEATURES

- 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
- 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
- PoE models support IEEE 802.3af PoE (15.4W)
- PoE+ models support IEEE 802.3at PoE+ (25.5W)

PoE & PoE+ Giga-McBasic LFPT series are the perfect solutions for network applications that require Power-over-Ethernet ("PoE") for locations inside buildings where PoE is required to power an Ethernet device. Their small, table-top design and durability make them perfect for installations where space is limited. Additionally, both units are manufactured with an internal AC power supply.

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 ("LFPT") DIP switch is available, to enable a link LED troubleshooting feature.

The PoE+ Giga-McBasic LFPT unit comes with one SFP or fixed fiber transceiver, and two PSE 10/100/1000Base-T copper ports that each provide 25.5 Watts of power with data, as well as functioning as 10/100/1000 Mbps Ethernet copper ports. A Link Fault Pass Through ("LFPT") 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 Category 5 cable, 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, models support jumbo frames up to 10240 bytes.

### 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 |
| **PoE Giga-McBasic LFPT Single-Strand Fiber **** | | | | | |
| **852-11820** | SSLX-SM1310-SC (1310 xmt/1550 rcv) | 1 | 15 km | 2 | RJ45 |
| **PoE+ Giga-McBasic LFPT *** | | | | | |
| **852-11911** | SFP | 1 | Various | 2 | RJ45 |
| **852-11912** | SX-MM850-SC | 1 | 220/550 m | 2 | RJ45 |
| **852-11913** | LX-MM1300-SC | 1 | 2 km | 2 | RJ45 |
| **852-11914** | LX-SM1310-SC | 1 | 10 km | 2 | RJ45 |

### ACCESSORIES

**895-39226** - Rackmount Bracket

**895-39227** - Wallmount Brackets

**895-39949** - Rackmount Shelf

** SFP fibers sold separately - available at www.advantech-bb.com

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




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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 |
| Auto-Cross for MDI/MDIX |
| MTU: Supports Jumbo Frames up to 10240 bytes |
| Link Fault Pass Through (LFPT) |

### SPECIFICATIONS – continued

| MECHANICAL | |
|---|---|
| Dimensions | 3.71H x 12.09W x 18.59D cm (1.46H x 4.76W x 7.32D inches) |
| Shipping Weight | 0.58 kg (1.3 lbs) |
| **INPUT SPECIFICATIONS** | |
| 100 to 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)