PoE Switching Media Converter 10/100/1000 Mbps

PoE & PoE+ Giga-MiniMc/LFPT

PRODUCT FEATURES

- Rugged, Stand-Alone Metal Enclosure with compact external power supply
- Supports Jumbo Frames (up to 10240 bytes)
- Multiple Mounting options (desktop, DIN rail or wall-mount)
- Features Configurable PoE Reset on Fiber LOS
- Supports IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (25.5W) Standards
- Link Fault Pass Through

The PoE and PoE+Giga-MiniMc/LFPT are low-cost, compact, multiport media converters that support both PoE and PoE+ standards. Unmanaged, Plug-and-Play media converters with PoE capability make this product line a cost-effective solution for Ethernet networks.

Featuring 2-10/100/1000Base-T copper UTP ports and one SFP uplink port that supports either a copper or fiber SFP, the PoE and PoE+ Giga- MiniMc are Power Source Equipment (PSE) devices. The PoE+ Giga-MiniMc is capable of powering up to two Powered Devices (PD) over standard CAT5 cable or better, whereas the PoE Giga-MiniMc/LFPT can power one PD device via a copper port while delivering data over the other copper port. A one-port version is also available for secure networks that require only one PoE port and fiber port.

The PoE-Giga-MiniMc/LFPT family is able to power high-power devices such as touch panels, PTZ (pan-tilt-zoom) IP surveillance cameras, and RFID readers that require more power than the typical 15.4 W provided by standard PSE devices such as the PoE Giga-MiniMc.

The PoE and PoE+ Giga-MiniMc/LFPT models meet IEEE 802.3af/at standards; enhanced features include store-and-forward, Autocross, an LFPT DIP Switch, and PoE reset on fiber loss of signal.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
PoE Giga-MiniMc /LFPT					
857-11811	SFP *	1	Various	2	RJ45
857-11812	MM850-SC	1	220/550 m	2	RJ45
857-11813	MM1300-SC	1	2 km	2	RJ45
857-11814	SM1310-SC	1	15 km	2	RJ45
857-11815	SM1310/PLUS-SC	1	40 km	2	RJ45
SINGLE STRAND FIBER SSLX OR SSBX **					
857-11820	SM1310-SC	1	15 km	2	RJ45
857-11821	SM1550-SC	1	15 km	2	RJ45
ONE PORT PoE					
857-11811S	SFP*	1	Various	1	RJ45
PoE+ Giga-MiniMc/LFPT					
857-11911	SFP	1	Various	2	RJ45
857-11912	MM850-SC	1	220/550 m	2	RJ45
857-11913	MM1300-SC	1	2 km	2	RJ45
857-11914	SM1310-SC	1	15 km	2	RJ45
857-11915	SM1310/PLUS-SC	1	40 km	2	RJ45

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

ACCESSORIES

806-39105 - DIN Rail Clip

806-39800 - PoE Power Adapter for PoE Giga-MiniMc

895-39229 - Wall Mount Bracket

806-39900 - PoE+ Power Adapter for PoE+ Giga-MiniMc

All product specifications are subject to change without notice.
PoE & PoE+ Giga-MiniMc LFPT_2517ds

B+B SMARTWORX
Powered by ADVANTECH

orders@advantech-bb.com
support@advantech-bb.com

Corporate Headquarters: 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA   815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park, Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445

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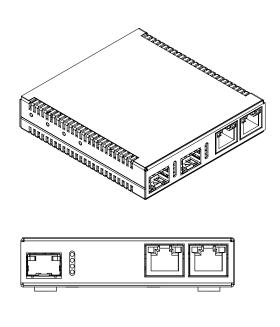## PoE & PoE+ Giga-MiniMc/LFPT
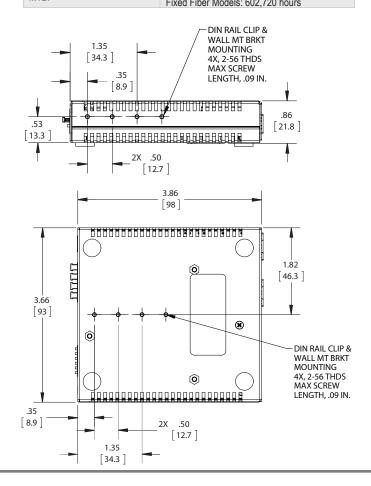
SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-TP twisted pair
IEEE 802.3u 100Base-TX twisted pair
IEEE 802.3ab 1000Base-TX twisted pair
IEEE 802.3z 1000Base-LX or SX fiber
IEEE 802.3af Power over Ethernet
IEEE 802.3at Power over Ethernet Plus
IEEE 802.3u Auto-Negotiation
RFC-2474
RFC-2475 DiffServ QoS
Extreme temperature range (DC configuration)
Plug-and-play operation
Accepts RJ45, SC and SFP connectors
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber, available in SSF
Country-specific, high-reliability power adapter
FX and TX Auto Negotiation
AutoCross for MDI/MDIX
MTU: Supports Jumbo Frames up to 10240 bytes
Supports DIN Rail mounting (DIN clips sold separately)
Link Fault Pass Through DIP Switch

MECHANICAL	
Dimensions	0.80H x 3.645W x 3.82D inches (2.032H cm x 9.258W cm x 9.7028D cm)
Shipping Weight	1.0 lbs (0.45 kg)
AC ADAPTER	
PoE Giga-MiniMc/LFPT	Input: 100 to 240 ±10% VAC, 50/60H, 0.7A * Output: 48 VDC, 0.62A
PoE+ Giga-MiniMc/LFPT	Input: 100 to 240 ±10% VAC, 50/60H, 2A * Output: 52 VDC, 2.31A
* Maximum input power in Watts is calculated by multiplying the input amps by the lowest input voltage.	
DC Input Voltage:	
PoE Giga-MiniMc/LFPT	45 to 57 VDC on DC terminal block 48 VDC on DC jack
PoE+ Giga-MiniMc/LFPT	51 to 57 VDC on DC terminal block 51 to 57 VDC on DC jack
ENVIRONMENTAL	
Operating Temperature DC Terminal Block:	+32 °F to +158 °F (0 °C to +70 °C)
Operating Temperature AC Adapter:	+32 °F to +122 °F (0 °C to +50 °C)
Storage Temperature:	-31 °F to +167 °F (-35 °C to +75 °C)
Operating Humidity	5% to 95% (non-condensing)
REGULATORY APPROVALS	
FCC Class A	
UL/cUL, CSA, CE	
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	SFP Models: 604,306 hours Fixed Fiber Models: 602,720 hours

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

1.35 [34.3]
.35 [8.9]
.53 [13.3]
.86 [21.8]
2X .50 [12.7]

DIN RAIL CLIP & WALL MT BRKT MOUNTING 4X, 2-56 THDS MAX SCREW LENGTH, .09 IN.

3.86 [98]
1.82 [46.3]
3.66 [93]
.35 [8.9]
2X .50 [12.7]
1.35 [34.3]

DIN RAIL CLIP & WALL MT BRKT MOUNTING 4X, 2-56 THDS MAX SCREW LENGTH, .09 IN.