## PoE Switching Media Converter 10/100/1000 Mbps

PoE & PoE+ Giga-MiniMc/LFPT

### B+B SMARTWORX

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PoE and PoE+ Giga-MiniMc/LFPT series 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 series a cost-effective solution for Ethernet networks.

Featuring two 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.

The PoE-Giga-MiniMc/LFPT series 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.

#### **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 (LFPT)

#### ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR	
PoE Giga-MiniMc / LFPT						
BB-857-11811	SFP *	1	Various	2	RJ45	
PoE+ Giga-MiniMc / LFPT						
BB-857-11911	SFP *	1	Various	2	RJ45	
BB-857-11912	MM850-SC	1	220/550 m	2	RJ45	
BB-857-11913	MM1300-SC	1	2 km	2	RJ45	
BB-857-11914	SM1310-SC	1	15 km	2	RJ45	
BB-857-11915	SM1310/PLUS-SC	1	40 km	2	RJ45	

\* SFP Fiber sold separately.

ACCESSORIES – sold separately BB-806-39105 - DIN Rail Clip BB-895-39229 - Wall Mount Bracket BB-806-39800 - PoE Power Adapter for PoE Giga-MiniMc

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

All product specifications are subject to change without notice. PoE & PoE+ Giga-MiniMc LFPT\_3618ds



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# PoE Switching Media Converter 10/100/1000 Mbps

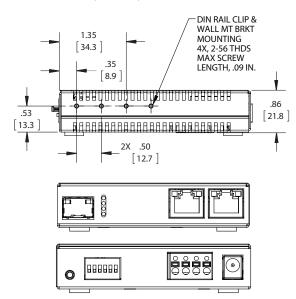
PoE & PoE+ Giga-MiniMc/LFPT

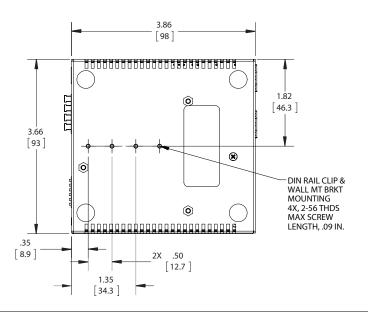


SPECIFICATIONS		MECHANICAL			
TECHNICAL			2.032H x 9.258W x 9.7028D cm		
IEEE 802.3 10Base-TP twisted pair		Dimensions	(0.80H x 3.645W x 3.82D in)		
IEEE 802.3u 100Base-TX twisted pair		Shipping Weight	0.45 kg (1.0 lb)		
IEEE 802.3ab 1000Base-TX twisted pair		ENVIRONMENTAL			
IEEE 802.3z 1000Base-LX or SX fiber		Operating Temperature DC Terminal Block:	0 to +70 °C (+32 to +158 °F)		
IEEE 802.3af Power over Ethernet		Operating Temperature AC			
IEEE 802.3at Power over Ethernet Plus		Adapter	0 to +50 °C (+32 to +122 °F)		
IEEE 802.3u Auto-Negotiation		Storage Temperature	-35 to +75 °C (-31 to +167 °F)		
RFC-2474		Operating Humidity	5% to 95% (non-condensing)		
RFC-2475 DiffServ QoS		MEANTIME BEFORE FAILURE (MTBF)			
Extreme temperature range (DC configuration)		MTBF	SFP Models: 604306 hours Fixed Fiber Models: 602720 hours		
Plug-and-play operation		MTBF Calculation Method	MIL217F Parts Count Reliability Prediction		
Accepts RJ45, SC and SFP connectors		REGULATORY APPROVALS, DIRECTIVES, STANDARDS			
50/125µm or 62.5/125µm multi-mode fiber		FCC Class A			
9/125µm single-mode fiber		UL/cUL, CSA, CE	UL/cUL, CSA, CE		
Country-specific, high-reliability power adapter			2014/30/EU – Electromagnetic Compatibility Directive		
FX and TX Auto Negotiation			2011/65/EU – Reduction of Hazardous Substances Directive (RoHS)		
AutoCross for MDI/MDIX		CE Directives	2012/19/EU – Waste Electrical and Electronic		
MTU: Supports Jumbo Frames up to 10240 bytes			Equipment (WEEE)		
Supports DIN Rail mounting (DIN clips sold separately)			2014/35/EU – Low Voltage Directive		
Link Fault Pass Through DIP Switch			EMC: EN 55032 Class A – Information Technology Equipment		
AC ADAPTER			- RF Emissions		
	put: 100 to 240 ±10% VAC, 50/60H, 0.7A * utput: 48 VDC, 0.62A		EN 55024 – Information Technology Equipment - Immunit y Characteristics - Limits and Methods of		
PoE+ Giga-MiniMc/LFPT	put: 100 to 240 ±10% VAC, 50/60H, 2A * utput: 52 VDC, 2.31A	CE Standards	Measurement EN 61000-3-2 – Emissions - Harmonic Currents		
* Maximum input power in Watts is calculated by multiplying the input Amps by the lowest input voltage.			Injected into the AC Mains EN 61000-3-3 – Emissions - Voltage Fluctuations/		
DC Input Voltage:			Flicker Impressed on AC Mains		
POE Giga-MiniMc/LFP1 48	i to 57 VDC on DC terminal block 8 VDC on DC jack		<b>SAFETY:</b> EN 60850-1 – +A11 +A1 +A12 +A2		
	to 57 VDC on DC terminal block to 57 VDC on DC jack				

#### **MECHANICAL DIAGRAM**

Dimensions = inches (millimeters)





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