Smallest, Most Reliable Switching Media Converter

MiniMc LFPT

B+B SmartWorx

Powered by ADVANTECH



PRODUCT FEATURES

- One 100 Mbps FDX fiber port or 1 SFP fiber port
- One 10/100 Base-TX twisted pair port
- AutoCross automatic selection between crossover or straight-through connection
- Supports Link Fault Pass Through

Media conversion is the most cost-effective solution for extending the productive life of legacy wiring plants and equipment while allowing implementation of new technologies. Measuring less than 3.5 inches deep and 2 inches wide, the MiniMc LFPT is one of the industry's smallest media converters with both data connections on the same side of the unit. An optional fiber SFP port gives network operators the flexibility to upgrade network equipment to different fiber interfaces. Link Fault Pass Through (LFPT) can be enabled/disabled via a DIP Switch on the unit, and is a useful diagnostic feature that assists the network administrator in indicating a fault condition on a given segment between the interfaces.

Designed and manufactured in the USA, the MiniMc LFPT extends 10 and 100 Mbps twisted pair network segments up to 80 km over fiber. Both a media and data rate converter, the MiniMc LFPT features 10/100 Auto Negotiation on the copper port while the fiber port operates at 100 Mbps full duplex. MiniMc LFPT 10/100 switching fiber converters are ideal for all premises, FTTD, LAN-to-LAN or LAN-to-MAN fiber networking applications.

Multiple powering options include a country-specific AC wall adapter or USB-power cord. The unit can also be installed into the IE-PowerTray/18-AC which allows for 18 converters in only 1.5U of rack space, DIN Rail mounted, or with a rack mount bracket.

ACCESSORIES

806-39105 - DIN Rail Clip

806-39628 - USB 36"/.9m Power Cable (for MiniMc only)

806-39629 - USB 12"/.3m Power Cable (for MiniMc only)

806-39638 - Double-USB Power Cable, 36"/.9m

806-39650 - 12"/.3m Barrel-Connector Power Cable

850-13086 - IE-PowerTray/18-AC (-20°C to +70°C), 18-slot AC powered chassis

895-39229 - Wall Mount Bracket

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
MiniMc LFPT SFP *					
855-11619	SFP	1	Various	1	RJ45

* SFP Fiber sold separately

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
MiniMc LFPT, TP-TX/FX					
855-11620	MM850-ST	1	2 km	1	RJ45
855-11621	MM850-SC	1	2 km	1	RJ45
855-11622	MM1300-ST	1	5 km	1	RJ45
855-11623	MM1300-SC	1	5 km	1	RJ45
855-11624	SM1310/PLUS-ST	1	40 km	1	RJ45
855-11625	SM1310/PLUS-SC	1	40 km	1	RJ45
855-11626	SM1310/LONG-ST	1	80 km	1	RJ45
855-11627	SM1310/LONG-SC	1	80 km	1	RJ45
855-11641	SM1550/LONG-SC	1	80 km	1	RJ45
SINGLE STRAND FIBER **					
855-11619		1			
855-11650	SSFX-MM1300-SC	1	2 km	1	RJ45
855-11651	SSFX-MM1550-SC	1	2 km	1	RJ45
855-11652	SSFX-SM1310-SC	1	20 km	1	RJ45
855-11653	SSFX-SM1550-SC	1	20 km	1	RJ45
855-11654	SSFX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-11655	SSFX-SM1550/PLUS-SC	1	40 km	1	RJ45
855-11656	SSFX-SM1310/LONG-SC	1	60 km	1	RJ45
855-11657	SSFX-SM1550/LONG-SC	1	60 km	1	RJ45

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

MiniMc TP-TX/FX also available in CWDM Fiber. Call for details.

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MiniMc LFPT



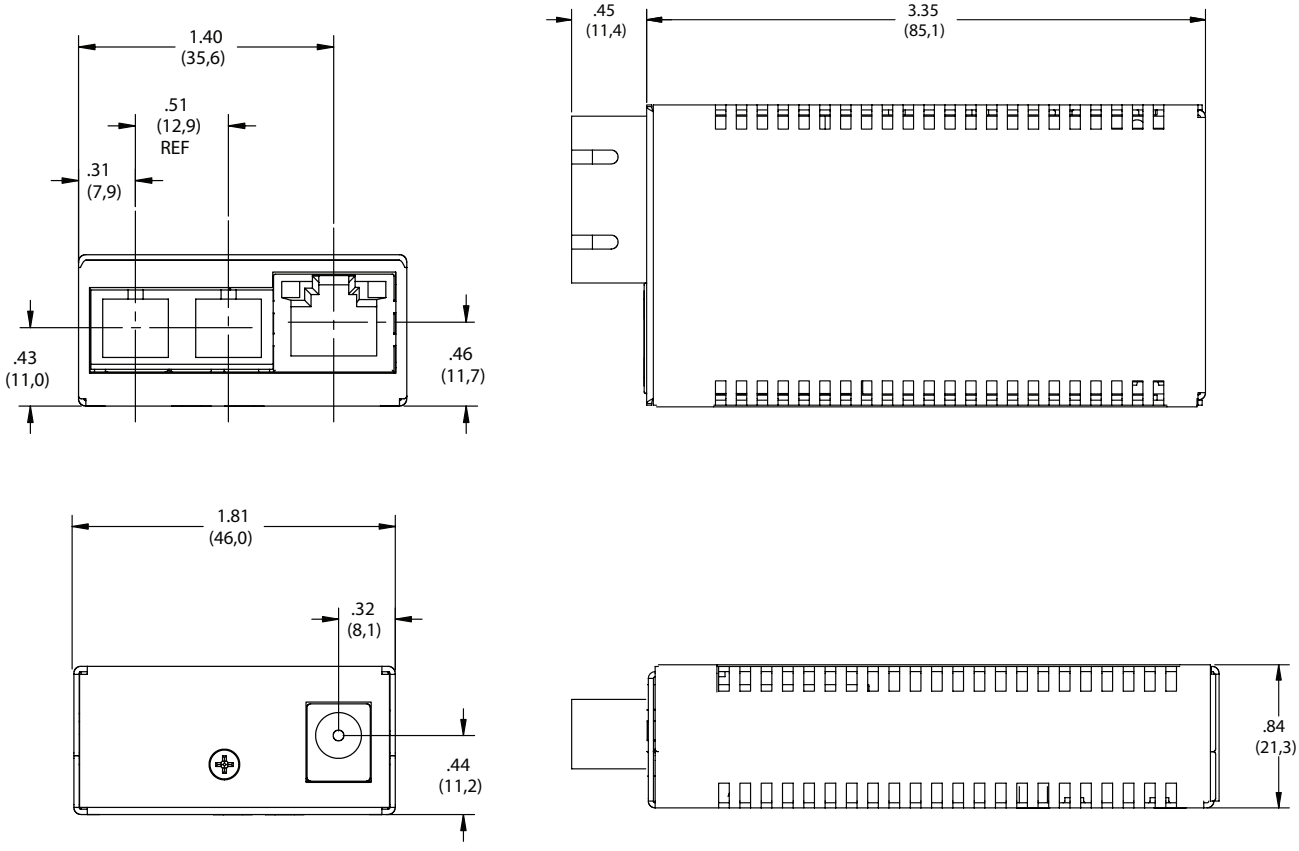
SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-T twisted pair
IEEE 802.3u 100Base-TX twisted pair
Supports jumbo packets up to 1916 bytes
Plug-and-play operation
RJ-45, ST or SC and SFP connectors available 50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber
Available with single-strand fiber support
Country-specific, high-reliability power adapter
Auto Negotiation, Auto-Cross for MDI/MDIX
Layer 2 packet switching, store and forward (forwarding rate: 14,881 pps for 10 Mbps, 148,100 pps for 100 Mbps)
Status LEDs
Link Fault Pass Through

MECHANICAL	
Dimensions	0.83"H x 1.80"W x 3.35"D (2.11 x 4.57 x 8.51 cm)
Shipping Weight	0.7 lbs (.317 kg)
POWER	
5 VDC, 500mA	
AC Adapter: +32° F to +122° F (0° C to +50° C)	
ENVIRONMENTAL	
Operating Temperature:	+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 B	
UL/cUL, CSA, CE	

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)



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