

Industrial Grade 10/100 Miniature Media Converters

IE-MiniMc Telco-LFPT series

B+B SMARTWORX

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PRODUCT FEATURES

- Extended operating temperature of -40 to +85° C
- Auto-cross automatic selection between crossover or straight-through connections
- Status LEDs
- Link Fault Pass-Through (LFPT) capability
- 10/100Base-T to 100Mbps fiber converter

Measuring less than 16.5 cm deep and 5.8 cm wide (3.5d x 2w in), the IE-MiniMc series of converters are some of the industry's smallest copper-to-fiber media converters, with both data connections on the same side. The IE-MiniMc family of media converters are a fraction of the cost of other industrial grade alternatives. These products provide the ease and convenience of plug-and-play operation with features including Auto-Negotiation and Auto-Cross.

The IE-MiniMc/Telco-LFPT series is an unmanaged media converter, but does offer added features such as Link Fault Pass-Through (LFPT) to assist operators in identifying breaks in the network when using unmanaged network hardware. The IE-MiniMc/Telco-LFPT includes multiple power options for -48VDC, AC wall adapter and USB; PoE capability is not possible with -48 VDC. Supports extended temperature, from -40 to +85 °C.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-MiniMc/Telco-LFPT					
BB-855-19202	MM850-SC	1	2 km	1	RJ45
BB-855-19203	MM1300-ST	1	5 km	1	RJ45

ACCESSORIES - sold separately

BB-806-39105 - DIN Rail Clip

BB-806-39650 - Barrel-Connector Power Cable, 0.3 m (12 in)

BB-850-13086 - IE-PowerTray/18-AC (-20 to +70 °C), 18-slot AC Powered Chassis

BB-895-39229 - Wall Mount Bracket

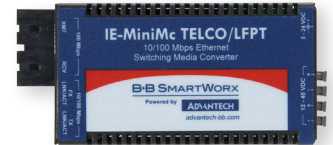
BB-806-39720 - AC Power Adapter

All product specifications are subject to change without notice.

IE-MiniMc_Telco-LFPT_4018ds

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SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-T twisted pair
IEEE 802.3u 100Base-TX twisted pair
IEEE 802.3u 100Base-FX fiber
IEEE 802.3af Power Over Ethernet
Supports jumbo packets up to 1916 bytes
Plug-and-play operation
RJ45 and ST or SC ports available
50/125µm or 62.5/125µm multi-mode fiber
Available with single-strand fiber support
Includes terminal DC power block
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

MECHANICAL	
Dimensions	2.11h x 4.57w x 8.51d cm (0.83h x 1.80w x 3.35d in)
Shipping Weight	0.317 kg (0.7 lb)
INPUT SPECIFICATIONS	
DC Terminal (Telco):	-48 VDC
DC Terminal (non-Telco):	7 to 50 VDC
Barrel Connector:	5 to 24 VDC
PoE:	50V maximum supply voltage
ENVIRONMENTAL	
Operating Temperature	DC or PoE (PD): -40 to +85 °C (-40 to +185 °F) AC Wall Adapter: -10 to +50 °C (+14 to +122 °F)
Storage Temperature	-10 to +50 °C (+14 to +122 °F)
Operating Humidity	5 to 95% (non-condensing)
REGULATORY APPROVALS	
FCC Class A (using DC terminal or PoE power)	
FCC Class B (using any DC jack, optional)	
UL/cUL, CSA, CE	
MEANTIME BEFORE FAILURE (MTBF)	
IE-MiniMc/Telco-LFPT = 625119 hours	

MECHANICAL DIAGRAM

Dimensions = inches (millimeters)

