

Industrial Grade 10/100 Miniature Media Converters

IE-MiniMc/LFPT & Telco-LFPT

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 3.5 inches deep and 2 inches wide, the IE-MiniMc Series 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 [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/LFPT includes multiple power options for DC, AC wall adapter, USB and (PoE/PD). The IE-MiniMc/Telco-LFPT includes multiple power options for -48VDC, AC wall adapter and USB; PoE capability is not possible with -48VDC. All models support extended temperature, from -40 to 85 °C.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-MiniMc/LFPT					
855-19821	MM850-ST	1	2 km	1	1
855-19822	MM850-SC	1	2 km	1	1
855-19823	MM1300-ST	1	5 km	1	1
855-19824	MM1300-SC	1	5 km	1	1
855-19830	SM1310/PLUS-SC	1	30 km	1	1
IE-MiniMc/Telco-LFPT					
855-19202	MM850-SC	1	2 km	1	1
855-19203	MM1300-ST	1	5 km	1	1

ACCESSORIES

806-39105 - DIN Rail Clip

806-39650 - Barrel-Connector Power Cable, 12 inch/0.3 m

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

895-39229 - Wall Mount Bracket

806-39720 - AC Power Adapter

All product specifications are subject to change without notice.

IE-MiniMc/LFPT & Telco-LFPT_1217ds

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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	
9/125µm single-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	0.83H x 1.80W x 3.35D inches (2.11H x 4.57W x 8.51D cm)
Shipping Weight	0.7 lbs (0.317 kg)
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:	-40 to +185 °F (-40 to +85 °C)
DC or PoE (PD)	
Operating Temperature:	+14 to +122 °F (-10 to +50 °C)
AC wall adapter	
Storage Temperature: DC	+14 to +122 °F (-10 to +50 °C)
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/LFPT	= 648,860 hours
IE-MiniMc/Telco-LFPT	= 625,119 hours

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

