

Smallest, Most Reliable Switching Media Converter

MiniMc & MiniMc SFP series

B+B SMARTWORX

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ADVANTECH

www.advantech-bb.com



PRODUCT FEATURES

- One 100 Mbps fixed 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
- Status LEDs
- 18 connections in the 1.5U high IE-PowerTray/18 Chassis

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. Media conversion's greatest benefits are flexibility and cost savings. The MiniMc series extends 10 and 100 Mbps twisted-pair network segments up to 80 km over fiber. Both a media and data rate converter, the MiniMc features 10/100 Auto Negotiation on the copper port while the fiber port operates at 100 Mbps full-duplex. MiniMc 10/100 switching fiber converters are ideal for all premises, FTTH, LAN-to-LAN or LAN-to-MAN fiber networking applications.

Measuring 16.5 cm deep and 5.8 cm wide (3.5d x 2w in), the MiniMc is the industry's smallest unmanaged media converter with both data connections on the same side of the unit, and at a fraction of the cost of other alternatives. Plug-and-play operation with a variety of model types and powering options make the MiniMc series easy and convenient to use.

The AC power adapter is included with all models listed. Other power options are listed under Accessories.

ORDERING INFORMATION

MODEL NUMBER	FIBER TYPE	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
MiniMc SFP* with LFPT					
BB-855-10619	SFP	1	Various	1	RJ45

* Only Model 855-10619 offers LFPT (Link Fault Pass Through) diagnostic feature.
(SFP fiber sold separately and available through B+B SmartWorx.)

ORDERING INFORMATION

MODEL NUMBER	FIBER TYPE	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
MiniMc TP-TX/FX					
BB-855-10620	MM850-ST	1	2 km	1	RJ45
BB-855-10621	MM850-SC	1	2 km	1	RJ45
BB-855-10622	MM1300-ST	1	5 km	1	RJ45
BB-855-10623	MM1300-SC	1	5 km	1	RJ45
BB-855-10624	SM1310/PLUS-ST	1	40 km	1	RJ45
BB-855-10625	SM1310/PLUS-SC	1	40 km	1	RJ45
BB-855-10627	SM1310/LONG-SC	1	80 km	1	RJ45
SINGLE STRAND FIBER *					
BB-855-10650	SSFX-MM1300-SC	1	2 km	1	RJ45
BB-855-10651	SSFX-MM1550-SC	1	2 km	1	RJ45
BB-855-10652	SSFX-SM1310-SC	1	20 km	1	RJ45
BB-855-10653	SSFX-SM1550-SC	1	20 km	1	RJ45

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

ACCESSORIES

- BB-806-39105 - DIN Rail Clip
- BB-806-39628 - USB Power Cable, 0.9 m (36 in)
- BB-806-39629 - USB Power Cable, 0.3 m (12 in)
- 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.
MiniMc_SFP_TX-FX-Fiber-SS_4018ds

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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
RJ45, ST or SC connectors and SFPs 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

MECHANICAL	
Dimensions	21.3h x 46.0w x 85.1d mm (0.84h x 1.81w x 3.35d in)
Shipping Weight	0.317 kg (0.7 lb)
POWER	
5 VDC, 500 mA	
AC Adapter: 0~+50 °C (+32~+122 °F)	
ENVIRONMENTAL	
Operating Temperature	0~+50 °C (+32~+122 °F)
Storage Temperature	-35~+75 °C (-31~+167 °F)
Operating Humidity	5 to 95% (non-condensing)
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	796650 hours
MTBF Calculation Method	MIL217F Parts Count Reliability Prediction
REGULATORY APPROVALS	
FCC Class B, UL/cUL, CSA, CE	

MECHANICAL DIAGRAM

Dimensions = inches (millimeters)

(1x9 Fixed Fiber version shown below)

