## Smallest, Most Reliable Switching Media Converter

MiniMc & MiniMc SFP



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. Designed and manufactured in the USA, the MiniMc 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, FTTD, LAN-to-LAN or LAN-to-MAN fiber networking applications.

Measuring less than 3.5 inches deep and 2 inches wide, 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.

### ACCESSORIES

806-39105 - DIN Rail Clip

806-39628 - USB  $36\ensuremath{"(0.9m)}$  Power Cable (for MiniMc only)

806-39629 - USB 12"(0.3m) Power Cable (for MiniMc only)

806-39650 - 12"/(0.3m) Barrel-Connector Power Cable

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

## **ORDERING INFORMATION**

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

<sup>\*</sup> 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						
855-10620	MM850-ST	1	2 km	1	RJ45	
855-10621	MM850-SC	1	2 km	1	RJ45	
855-10622	MM1300-ST	1	5 km	1	RJ45	
855-10623	MM1300-SC	1	5 km	1	RJ45	
855-10624	SM1310/PLUS-ST	1	40 km	1	RJ45	
855-10625	SM1310/PLUS-SC	1	40 km	1	RJ45	
855-10626	SM1310/LONG-ST	1	80 km	1	RJ45	
855-10627	SM1310/LONG-SC	1	80 km	1	RJ45	
SINGLE STRAND FIBER *						
855-10650	SSFX-MM1300-SC	1	2 km	1	RJ45	
855-10651	SSFX-MM1550-SC	1	2 km	1	RJ45	
855-10652	SSFX-SM1310-SC	1	20 km	1	RJ45	
855-10653	SSFX-SM1550-SC	1	20 km	1	RJ45	
855-10654	SSFX-SM1310/ PLUS-SC	1	40 km	1	RJ45	
855-10655	SSFX-SM1550/ PLUS-SC	1	40 km	1	RJ45	

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

All product specifications are subject to change without notice.

MiniMc & MiniMc SFP\_0317ds



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#### **SPECIFICATIONS**

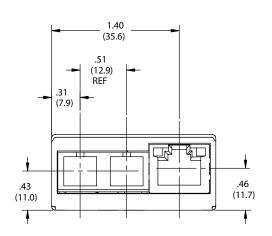
O: 20:: 10: 11:0110		
TECHNICAL		
IEEE 802.3 10Base-T twisted pair		
IEEE 802.3u 100Base-TX twisted pair		
Supports jumbo packets up to 1916 bytes		
Plug-and-play operation		
RJ45, ST or SC connectors and SFPs available		
50/125μm or 62.5/125μm multi-mode fiber		
9/125µm single-mode fiber		
Available 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		

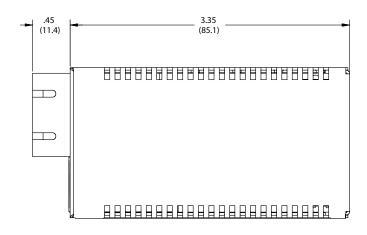
MECHANICAL			
Dimensions	0.84"H x 1.81"W x 3.35"D		
Difficusions	(21.3 x 46.0 x 85.1 mm)		
Shipping Weight	0.7 lbs (.317 kg)		
POWER			
5 VDC, 500mA			
AC Adapter: 32~122F (0~50C)			
ENVIRONMENTAL			
Operating Temperature:	32~122F (0~50C)		
Storage Temperature:	-31~167F (-35~75C)		
Operating Humidity	5% to 95% (non-condensing)		
MTBF	796,650 hrs.		
REGULATORY APPROVALS			
FCC Class B			

### **MECHANICAL DIAGRAM**

(dimensions in inches & millimeters)

\*1x9 Fixed Fiber version shown here





UL/cUL, CSA, CE

