## 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"(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<br>Number | FIBER TYPE  | FIBER<br>PORTS | RANGE   | ETHERNET<br>PORTS | ETHERNET<br>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<br>NUMBER       | FIBER TYPE              | FIBER<br>PORTS | RANGE | ETHERNET<br>PORTS | ETHERNET<br>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/<br>PLUS-SC | 1              | 40 km | 1                 | RJ45                  |
| 855-10655             | SSFX-SM1550/<br>PLUS-SC | 1              | 40 km | 1                 | RJ45                  |

<sup>\*</sup>These products have single-strand fiber technology. Deploy in pairs or connect another compatible B+B SmartWorx single-strand fiber product.





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#### **SPECIFICATIONS**

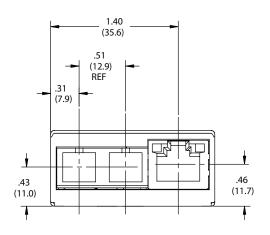
| TECHNICAL   |  |  |
|---|--|--|
| IEEE 802.3 10Base-T twisted pair  |  |  |
| IEEE 802.3u 100Base-TX twisted pair   |  |  |
| Supports jumbo packets up to 1916 bytes   |  |  |
| Plug-and-play operation   |  |  |
| RJ45, ST or SC connectors and SFPs available                                    |  |  |
| 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   |  |  |

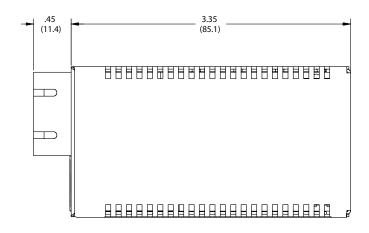
| MECHANICAL                  |                            |  |  |
|-----------------------------|----------------------------|--|--|
| Dimensions                  | 0.84"H x 1.81"W x 3.35"D   |  |  |
| Billionollo                 | (21.3 x 46.0 x 85.1 mm)    |  |  |
| Shipping Weight             | 0.7 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

