

# Smallest, Most Reliable Gigabit Switching Media Converter

## Giga-MiniMc LFPT



### PRODUCT FEATURES

- One 1000Base-SX or SFP fiber port
- One 10/100/1000 Mbps twisted pair port
- AutoCross automatic selection between crossover or straight-through connection
- Status LEDs
- LFPT
- 18 connections in the 1.5U high 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.

Measuring less than 3.5 inches deep and 2 inches wide, and having both data connections on the same side of the unit—the Giga- MiniMc-LFPT is the industry's smallest media converter at a fraction of the cost of other alternatives. Link Fault Pass Through (LFPT) is permanently enabled and is a useful diagnostic feature that assists the network administrator in indicating a fault condition on a given segment between the interfaces. Plug-and-play operation with a variety of model types and powering options make the Giga-MiniMc LFPT easy and convenient to use.

### ORDERING INFORMATION

| MODEL NUMBER                                     | FIBER                                 | FIBER PORTS | RANGE     | ETHERNET PORTS | ETHERNET CONNECTOR |
|--------------------------------------------------|---------------------------------------|-------------|-----------|----------------|--------------------|
| <b>Giga-MiniMc - with SFP/LFPT</b>               |                                       |             |           |                |                    |
| 856-11700                                        | SFP                                   | 1           | Various   | 1              | RJ45               |
| <b>Giga-MiniMc LFPT - Multi-Mode/Single-Mode</b> |                                       |             |           |                |                    |
| 856-11701                                        | SX-MM850-SC                           | 1           | 220/500 m | 1              | RJ45               |
| 856-11702                                        | MM1300-SC                             | 1           | 5 km      | 1              | RJ45               |
| 856-11703                                        | SM1310-SC                             | 1           | 10 km     | 1              | RJ45               |
| 856-11704                                        | SM1310/PLUS-SC                        | 1           | 40 km     | 1              | RJ45               |
| 856-11705                                        | SM15510/LONG-SC                       | 1           | 80 km     | 1              | RJ45               |
| 856-11706                                        | SM1550/SLONG-SC                       | 1           | 100 km    | 1              | RJ45               |
| <b>Giga-MiniMc LFPT - Single-Strand</b>          |                                       |             |           |                |                    |
| 856-11710                                        | SSLX-SM1310-SC (1310xmt/1550rcv)      | 1           | 15 km     | 1              | RJ45               |
| 856-11711                                        | SSLX-SM1550-SC (1550xmt/1310-SC)      | 1           | 15 km     | 1              | RJ45               |
| 856-11712                                        | SSBX-SM-1310-SC (1310xmt/1490rcv)     | 1           | 10 km     | 1              | RJ45               |
| 856-11713                                        | SSBX-SM1490-SC (1490xmt/1310rcv)      | 1           | 10 km     | 1              | RJ45               |
| 856-11714                                        | SSLX-SM1310/PLUS-SC (1310xmt/1550rcv) | 1           | 40 km     | 1              | RJ45               |
| 856-11715                                        | SSLX-SM1550/PLUS-SC (1550xmt-1310rcv) | 1           | 40 km     | 1              | RJ45               |
| 856-11742                                        | SSBX-SM1310-SC (1310xmt/1490-SC)      | 1           | 30 km     | 1              | RJ45               |
| 856-11743                                        | SSBX-SM1490-SC (1490xmt/1310rcv)      | 1           | 30 km     | 1              | RJ45               |
| 856-11744                                        | SSLX-SM1490/LONG-SC (1490xmt/1550rcv) | 1           | 60 km     | 1              | RJ45               |
| 856-11745                                        | SSLX-SM1550/LONG-SC (1550xmt/1490rcv) | 1           | 60 km     | 1              | RJ45               |

\* SFP Fiber sold separately

### ACCESSORIES

806-39105 - DIN Rail Clip

806-39638 - Double-USB Power Cable, 36"/.9m

806-39650 - 12"/.3m Barrel-Connector Power Cable

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

895-39229 - Wall Mount Bracket

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## SPECIFICATIONS

### TECHNICAL

|                                                                                            |
|--------------------------------------------------------------------------------------------|
| Plug-and-play operation                                                                    |
| RJ45 and SC or SFP connectors                                                              |
| IEEE 802.3 10Base-T twisted pair                                                           |
| IEEE 802.3u 100Base-TX twisted pair                                                        |
| IEEE 802.3ab 1000Base-T twisted pair                                                       |
| IEEE 802.3z 1000Base-LX or SX fiber                                                        |
| MTU: Supports Jumbo Frames up to 10240 bytes                                               |
| Country-specific, high-reliability power adapter                                           |
| Auto-Cross for MDI/MDIX                                                                    |
| Layer 2 packet switching, store and forward (forwarding rate: 1,488,096 pps for 1000 Mbps) |
| Status LEDs                                                                                |

### MECHANICAL

|                 |                                                     |
|-----------------|-----------------------------------------------------|
| Dimensions      | 0.83"H x 1.80"W x 3.35"D<br>(2.11 x 4.57 x 8.51 cm) |
| Shipping Weight | 0.7 lbs (.317 kg)                                   |

### POWER

|               |
|---------------|
| 5 VDC, 600mA  |
| 120 VAC, 0.1A |

### ENVIRONMENTAL

|                        |                                       |
|------------------------|---------------------------------------|
| Operating Temperature: | +32° F to +122° F (0° C to +50° C)    |
| Storage Temperature:   | -31° F to +167° F (-35° C to +75° C); |
| Operating Humidity     | 5% to 95% (non-condensing)            |

### REGULATORY APPROVALS

|                 |
|-----------------|
| FCC Class A     |
| UL/cUL, CSA, CE |

## MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

