

Smallest, Most Reliable Gigabit Switching Media Converter

Giga-MiniMc LFPT

B+B SMARTWORX

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ADVANTECH

www.advantech-bb.com



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
- Power Options: AC adapter, Dual USB cable, IE-PowerTray/18

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. A 10/100/1000Mbps copper to fiber converter, the Giga-MiniMc offers flexibility, Plug-and-Play, and can be powered with an AC adapter, dual USB cable or installed in a PowerTray/18 chassis.

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
Giga-MiniMc - with SFP/LFPT					
856-11700	SFP	1	Various	1	RJ45
Giga-MiniMc LFPT - Multi-Mode/Single-Mode					
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
Giga-MiniMc LFPT - Single-Strand					
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
856-11714	SSLX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ45

** SFP fibers sold separately - available at www.advantech-bb.com

ACCESSORIES

806-39105 - DIN Rail Clip

806-39638 - Double-USB Power Cable, 36 inch / 0.9m

806-39650 - 12 inch / 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

All product specifications are subject to change without notice.

Giga-MiniMc LFPT_1917ds

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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 up to 1536 (fixed fiber)
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	0.83H x 1.80W x 3.35D inches (2.11H x 4.57W x 8.51D cm)
Shipping Weight	0.7 lbs (0.317 kg)
POWER	
	5 VDC, 600mA
	120 VAC, 0.1A
ENVIRONMENTAL	
Operating Temperature:	+32 to +122 °F (0 to +50 °C)
Storage Temperature	-31 to +167 °F (-35 to +75 °C)
Operating Humidity	5% to 95% (non-condensing)
REGULATORY APPROVALS	
	FCC Class A
	UL/cUL, CSA, CE
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	659,439 hours

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

