

Smallest, Gigabit Switching Media Converter

Giga-MiniMc SFP & Giga-MiniMc TX/SX & TX/LX

B+B SMARTWORX

Powered by

ADVANTECH

www.advantech-bb.com



PRODUCT FEATURES

- One 1000Base-SC or 1000Base-LX fiber port
- One 10/100/1000 Mbps twisted pair port
- Status LEDs
- AutoCross automatic selection between crossover or straight-through connection
- SFP model available
- Power Options: AC Adapter, Dual USB cable or 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. A 10/100/1000Mbps copper to fiber unmanaged media converter, the Giga-MiniMc models offer flexibility as well as cost savings.

Measuring less than 8.9 cm deep and 5.1 cm wide (3.5d, 2.0w in), the Giga-MiniMc is the industry's smallest Gigabit 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 Giga-MiniMc easy and convenient to use.

ACCESSORIES – sold separately

- BB-806-39105 - DIN Rail Clip
- BB-806-39638 - Double-USB Power Cable, 0.9 m (36 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

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
Giga-MiniMc SFP *					
BB-856-10747	SFP	1	Various	1	RJ45
Giga-MiniMc TX/SX and TX/LX					
BB-856-10730	SX-MM850-SC	1	220/550 m	1	RJ45
BB-856-10730-ST	SX-MM850-ST	1	220/550 m	1	RJ45
BB-856-10731	LX-SM1310-SC	1	10 km	1	RJ45
BB-856-10732	LX-SM1310/ PLUS-SC	1	40 km	1	RJ45
BB-856-10733	LX-SM1550/ LONG-SC	1	80 km	1	RJ45
SINGLE STRAND FIBER **					
BB-856-10734	SSLX-SM1310-SC	1	15 km	1	RJ45
BB-856-10735	SSLX-SM1550-SC	1	15 km	1	RJ45

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

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

All product specifications are subject to change without notice.
Giga-MiniMc SFP & Giga-MiniMc TX/SX & TX/LX_3018ds

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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	
Layer 2 packet switching, store and forward (forwarding rate: 14,881 pps for 10 Mbps, 148,810 pps for 100 Mbps, 1,488,096 pps for 1000 Mbps)	
Auto-Cross for MDI/MDIX	
Status LEDs	
MECHANICAL	
Dimensions	2.11h x 4.57w x 8.51d cm (0.83h x 1.80w x 3.35d in)
Shipping Weight	0.317 kg (0.7 lb)
Mounting	DIN Rail and Wall Mount Bracket

POWER	
5 VDC, 600mA	
120 VAC, 0.1A	
ENVIRONMENTAL	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-35 to +75 °C (-31 to +167 °F)
Operating Humidity	5% to 95% (non-condensing)
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	659439 hours
MTBF Calculation Method	Parts Count Reliability Prediction
REGULATORY APPROVALS	
FCC Class A, UL/cUL, CSA, CE	
CE – Directives	2004/108/EC – Electromagnetic Compatibility Directive 2011/65/EU – Reduction of Hazardous Substances Directive (RoHS) 2006/95/EC – Low Voltage Directive
CE – Standards	EMC: EN 55022 +AC Class A – Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement EN 55024 – Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement

MECHANICAL DIAGRAM

Dimensions = inches (millimeters)

