

# 1000 Mbps Compact Media Converter

## McBasic Gigabit (LFPT)



### PRODUCT FEATURES

- Has a small, rugged design offering many advanced features
- Available for multi-mode or single-mode fiber
- LinkLoss, FiberAlert, and Link Fault Pass Through features, along with LEDs, assist in diagnosing problems on fiber optic networks
- Convert 1000 Mbps twisted pair to 1000 Mbps fiber

The McBasic's small, table-top design and durability make it perfect for installation anywhere space is limited. Additionally, the McBasic comes with an internal AC power supply. This feature significantly increases reliability over products that use bulky, external AC/DC power transformers.

LinkLoss, FiberAlert and Link Fault Pass Through (LFPT) that make isolating fiber breaks easier should they occur. The McBasic also features AutoCross to support crossover/pass-through on the twisted pair connection and diagnostic LEDs. Most McBasic units are available with single-strand fiber which can effectively double the capacity of fiber by allowing two individual channels to share one strand of fiber; Full-Duplex data travels on different wavelengths — 1310 nm and 1550 nm, for example.

### ACCESSORIES

895-39226 - Rackmount Bracket

895-39949 - Rackmount Shelf

### ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>McBasic Gigabit (LFPT)</b>					
855-11913	SX-MM850-SC	1	220/550 m	1	RJ45
855-11914	LX-SM1310-SC	1	15 km	1	RJ45
855-11915	LX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-11917	LX-SM1550/LONG-SC	1	80 km	1	RJ45
855-11918	LX-SM1550/XLONG-SC	1	100 km	1	RJ45
<b>SINGLE-STRAND FIBER *</b>					
855-11844	SSLX-SM1310-SC	1	15 km	1	RJ45
855-11845	SSLX-SM1550-SC	1	15 km	1	RJ45
855-11824	SSBX-SM1310-SC	1	10 km	1	RJ45
855-11825	SSBX-SM1490-SC	1	10 km	1	RJ45
855-11846	SSLX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-11847	SSLX-SM1550/PLUS-SC	1	40 km	1	RJ45
855-11826	SSBX-SM1310/PLUS-SC	1	30 km	1	RJ45
855-11827	SSBX-SM1491/PLUS-SC	1	30 km	1	RJ45
855-11850	SSLX-SM1490/LONG-SC	1	70 km	1	RJ45
855-11851	SSLX-SM1550/LONG-SC	1	70 km	1	RJ45
855-11852	SSLX-SM1490/XLONG-SC	1	80 km	1	RJ45
855-11853	SSLX-SM1550/XLONG-SC	1	80 km	1	RJ45

\* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

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### SPECIFICATIONS

#### TECHNICAL

- Include MDI/MDIX switch
- Includes fixed, internal AC power
- 50/125µm or 62.5/125µm multi-mode fiber
- 9/125µm single-mode fiber
- Includes diagnostic LEDs
- IEEE 802.3ab 1000Base-T twisted pair
- IEEE 802.3z 1000Base-LX or SX fiber
- Features Link Fault Pass-Through (LFPT) and FiberAlert

#### CONNECTORS

- RJ45 and SC
- Supports Half- and Full-Duplex operation

#### MECHANICAL

- Dimensions 1.64"H x 4.75"W x 7.3"D  
(4.2 cm x 12.17 cm x 18.71 cm)
- Shipping Weight 1.7 lbs (0.77 kg)

#### POWER RATING

- 100-240 VAC, 50/60Hz, 1.0A

#### ENVIRONMENTAL

- Operating Temperature +32° to +122° F (0° to +50° C)
- Storage Temperature: 0° to +160° F (-20° to +70° C)
- Operating Humidity 5% to 95% (non-condensing)

#### REGULATORY APPROVALS

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

### MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

