

**B&B ELECTRONICS**

10/100 Mbps Auto Sensing Compact Media Converter

McBasic 10/100 TX/FX

PRODUCT FEATURES

- Has a small, rugged design offering many advanced features
- Available for multi-mode or single-mode fiber
- LinkLoss, Transparency and Link Fault Detection features, along with LEDs, assist in diagnosing problems on fiber optic networks
- Convert 10 Mbps twisted pair to 10 Mbps fiber OR convert 100 Mbps twisted pair to 100 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.

The McBasic includes troubleshooting features such as LinkLoss, Transparency and Link Fault Detection that make isolating fiber breaks easier should they occur. The McBasic also features a crossover/pass-through switch on the twisted pair connection for MDI/MDIX connectivity 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.

Auto-Sensing 10/100 Mbps McBasic converters offer significant advantages over regular 10 and 100 Mbps converters. An ideal choice for both enterprise and service provider networks, 10/100 converters save time and money when deployed at the host and remote site. Enterprise networks planning a migration path from 10 Mbps to 100 Mbps often deploy Auto Sensing converters, then upgrade when ready and units will automatically adapt to increased speed. Service providers with 10 or 100 Mbps links to customer premises can sell customers more bandwidth without upgrading the converters at the POP and the customer network edge.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
McBasic TX/FX					
855-10260	MM850-ST	1	2 km	1	RJ45
855-10261	MM850-SC	1	2 km	1	RJ45
855-10262	MM1300-ST	1	5 km	1	RJ45
855-10263	MM1300-SC	1	5 km	1	RJ45
855-10267	SM1310/PLUS-ST	1	40 km	1	RJ45
855-10268	SM1310/PLUS-SC	1	40 km	1	RJ45
855-10269	SM1310/LONG-ST	1	80 km	1	RJ45
855-10270	SM1310/LONG-SC	1	80 km	1	RJ45
855-10274	SM1550/LONG-SC	1	80 km	1	RJ45

ACCESSORIES

895-39226 - Rackmount Bracket

895-39949 - Rackmount Shelf

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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 802.3 10Base-T twisted pair and 10Base-FL fiber
- IEEE 802.3u 100Base-TX twisted pair and 100Base-FX or -SX fiber
- Features Link Fault Detection and Transparency
- Features Auto Negotiation

CONNECTORS

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

MECHANICAL

- Dimensions 1.64"H x 4.75"W x 4.95"D
(4.2 cm x 12.17 cm x 11.64 cm)
- Shipping Weight 1.3 lbs (0.58 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)

