

# 100 Mbps Compact Media Converter

McBasic TX/FX series

**B+B SMARTWORX**

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**ADVANTECH**

[www.advantech-bb.com](http://www.advantech-bb.com)



## PRODUCT FEATURES

- Rugged, stand-alone design with internal power supply
- Available for multi-mode or single-mode fiber
- Diagnostic features including Link Loss and FiberAlert
- Converts 100 Mbps twisted pair to 100 Mbps fiber
- Unmanaged Ethernet media converter

The McBasic is an unmanaged Fast Ethernet media converter. Its sturdy design includes a highly reliable internal power supply and plenty of ventilation to support long-time performance in the field. It is set to Auto Negotiation by default, but can also be set to a Force Mode for legacy devices.

The McBasic includes troubleshooting features such as LinkLoss and FiberAlert, which can be enabled by DIP switches. These diagnostic features allow the network administrator to quickly identify network faults.

The McBasic includes AutoCross on the twisted-pair port and the fiber port is available in single-mode, multi-mode and single-strand fiber types.

A unique pair also provides single-strand fiber for multi-mode applications.

## ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>McBasic TX/FX</b>					
855-10929	MM850-ST	1	2 km	1	RJ45
855-10930	MM850-SC	1	2 km	1	RJ45
855-10927	MM1300-ST	1	5 km	1	RJ45
855-10928	MM1300-SC	1	5 km	1	RJ45
855-10931	SM1310/PLUS-ST	1	40 km	1	RJ45
855-10932	SM1310/PLUS-SC	1	40 km	1	RJ45
855-10933	SM1310/LONG-ST	1	80 km	1	RJ45
855-10934	SM1310/LONG-SC	1	80 km	1	RJ45
<b>SINGLE-STRAND FIBER *</b>					
855-10949	SSFX-MM1310-SC	1	2 km	1	RJ45
855-10950	SSFX-MM1550-SC	1	2 km	1	RJ45
855-10951	SSFX-SM1310-SC	1	20 km	1	RJ45
855-10952	SSFX-SM1550-SC	1	20 km	1	RJ45
855-10953	SSFX-SM1310/PLUS-SC	1	40 km	1	RJ45
855-10954	SSFX-SM1550/PLUS-SC	1	40 km	1	RJ45

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

## ACCESSORIES

895-39226 - Rackmount Bracket

895-39949 - Rackmount Shelf



iView: Webserver Version  
Free Download

All product specifications are subject to change without notice.  
McBasic-TX-FX\_4517ds

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## SPECIFICATIONS

### TECHNICAL

offers AutoCross on the copper port

Internal AC power

50/125µm or 62.5/125µm multi-mode fiber

9/125µm single-mode fiber

Includes diagnostic LEDs

IEEE 802.3u 100Base-TX twisted-pair and 100Base-FX or -SX fiber

Features LinkLoss and FiberAlert

Features Auto Negotiation

### CONNECTORS

RJ45 and ST or SC

Supports half- and full-duplex operation

MTU: Supports jumbo frames up to 10000 bytes

### MECHANICAL

Dimensions (4.2H x 12.17W x 11.64D cm (1.64H x 4.75W x 4.95D in)

Shipping Weight 0.58 kg (1.3 lb)

### POWER RATING

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

### ENVIRONMENTAL

Operating Temperature 0 to +50 °C (+32 to +122 °F)

Storage Temperature -20 to +70 °C (0 to +160 °F)

Operating Humidity 5 to 95% (non-condensing)

### REGULATORY APPROVALS

FCC Class A

UL/cUL, CSA, CE

### MEANTIME BEFORE FAILURE (MTBF)

MTBF 377009 hours

## MECHANICAL DIAGRAM

units = inches

