

### Stand-alone Fast Ethernet Media Converter

#### 100Base-TX to 100Base-FX

The E-100BTX-FX-06 is a stand-alone media converter that provides an interface between 100Base-TX ports and 100Base-FX ports, allowing users to integrate fiber optic cabling into 100Base-TX copper environments. Operating at Layer 1, the physical layer, data is passed through the converter at line speed, making it ideal for applications where low latency is essential.



### Key Features

- Used in pairs or as a single unit to integrate fiber into a 100base copper environment
- Low latency, layer 1 design
- Auto-negotiation
- Auto-MDI/MDIX
- Active link pass through
- Far-End-Fault (FEF)
- Pause
- Automatic link restoration
- Supports all 100Mbps SFP Modules

### Specifications

Standards	IEEE 802.3 100Base-FX 100Base-TX
Switches	SW1: Auto-Negotiation On/Off SW2: Pause TX On/Off SW3: Active Link Pass Through On/Off SW4: Far-End-Fault (FEF) On/Off
Status LEDs	PWR (Power) SDF or LKF (Link Fiber) SDC or LKC (Link Copper) RXF (Receive Fiber) RXC (Receive Copper)
Dimensions	Width: 3" [76 mm] Depth: 4.7" [119 mm] Height: 1" [25 mm]
Power Supply	External AC/DC required: 120-240VAC input, 12VDC Output; unregulated, standard
Power Input	9-14VDC
Power Consumption	1.75 Watts
Environment	Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 - 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	Greater than 46,768 hours (MIL-HDBK-217F) Greater than 123,861 hours (Bellcore7 V5.0)
Certifications	Regulatory: FCC Class A, EN55024, EN55022 Class A, EN61000, CE Mark
Warranty	Lifetime

### Ordering Information

#### E-100BTX-FX-06(SFP)

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-X SFP Slot (empty)

#### E-100BTX-FX-06

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB

#### E-100BTX-FX-06(SC)

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (SC) [2 km/1.2 mi.] Link Budget: 11.0 dB

#### E-100BTX-FX-06(LC)

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 11.0 dB

#### E-100BTX-FX-06(SM)

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (LC) [20 km/12.4 mi.] Link Budget: 16.0 dB

#### E-100BTX-FX-06(SMLC)

100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm single mode (LC) [20 km/12.4 mi.] Link Budget: 17.3 dB

### Optional Accessories (sold separately)

#### SFP Modules

Supports Hardened Grade SFP Modules

### Wide Input (24 - 60 VDC) Power Supplies (sold separately)

#### SPS-2460-SA

Stand-Alone Power Supply

### Mounting Options (sold separately)

#### E-MCR-05

12-Slot Media Converter Rack

#### RM19-SA4-02

4-Slot Media Converter Shelf

#### WMBD

DIN Rail Bracket 5" [127 mm]

#### WMBD-FS

DIN Rail Bracket (flat, small) 3.1" [79 mm]

#### WMBL

Wall Mount Bracket 4" [102 mm]

#### WMBV

Vertical Wall Mount Bracket 5" [127 mm]

### Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU;  
Ex: E-100BTX-FX-06(SFP)-NA

#### -NA = Country Code

NA = North America, LA = Latin America, EU = Europe,  
UK = United Kingdom, SA = South Africa, JP = Japan,  
OZ = Australia, BR = Brazil