

### Unmanaged Hardened Fast Ethernet Media Converter (1) 100Base-TX Port + (1) 100Base-FX Port

The E-100BTX-HT Series is a Hardened Ethernet stand-alone media converter that provides an interface between 100Base-TX ports and 100Base-FX ports, allowing users to integrate fiber optic cabling into extreme 100Base-TX copper environments, by supporting an operating temperature range of -25°C to 65°C. 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

- Extended Temperature Capable: Designed to operate in environments where ambient temperatures can rise as high as 65°C (149°F)
- Auto-Negotiation
- Auto-MDI/MDIX
- Link Pass Through
- Far-End-Fault Detection
- Automatic Link Restoration
- Pause

### Specifications

Standards	IEEE 802.3
Switches	SW1: Auto-Negotiation On/Off SW2: Pause TX On/Off SW3: LPT On/Off SW4: FEF On/Off
Jumpers	Jumper Block 1: Auto-MDI/MDIX enable
Status LEDs	PWR (Power): Lit for normal operation SDF (Signal Detect Fiber): Lit for fiber link SDC (Signal Detect Copper): Lit for copper link RXF (Receive Fiber): Flashing = RX data RXC (Receive Copper): Flashing = RX data
Dimensions	Width: 3" [76 mm] Depth: 4.7" [119 mm] Height: 1" [25 mm]
Power Supply	External AC/DC required; Output: 9 VDC, 1.0A; 120-240VAC input, unregulated, standard
Environment	Operating: -25°C to 65°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	Safety: Wall Mount Power Supply; UL Listed, cUL Listed (Canada) FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

### Ordering Information

#### E-100BTX-FX-05(HT)

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-05(SCHT)

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-05(SMHT)

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

### Optional Accessories (sold separately)

#### Power Supplies (sold separately)

##### SPS-2460-SA

Stand-Alone Power Supply

### Mounting Options (sold separately)

##### RMS19-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-05(HT)-NA

#### -NA = Country Code

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