

### 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<br>SW2: Pause TX On/Off<br>SW3: LPT On/Off<br>SW4: FEF On/Off   |
| Jumpers        | Jumper Block 1: Auto-MDI/MDIX enable   |
| Status LEDs    | PWR (Power): Lit for normal operation<br>SDF (Signal Detect Fiber): Lit for fiber link<br>SDC (Signal Detect Copper): Lit for copper link<br>RXF (Receive Fiber): Flashing = RX data<br>RXC (Receive Copper): Flashing = RX data |
| Dimensions     | Width: 3" [76 mm]<br>Depth: 4.7" [119 mm]<br>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<br>Humidity: 5% to 95% (non-condensing)<br>Altitude: 0 – 10,000 ft.   |
| Weight         | 2 lbs. [0.90 kg]   |
| MTBF           | Greater than 46,768 hours (MIL-HDBK-217F)<br>Greater than 123,861 hours (Bellcore7 V5.0)   |
| Certifications | Safety: Wall Mount Power Supply;<br>UL Listed, cUL Listed (Canada)<br>FCC Class A, CISPR22/EN55022<br>Class A, EN55024, EN61000,<br>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

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