

Unmanaged Hardened Fast Ethernet Media Converter

(1) 100Base-TX Port + (1) 100Base-FX Port

Media Converters



The E-100BTX-FX-05(HT) 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.

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 1300nm 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, LA = Latin America, EU = Europe, UK = United Kingdom, SA = South Africa, JP = Japan, OZ = Australia, BR = Brazil