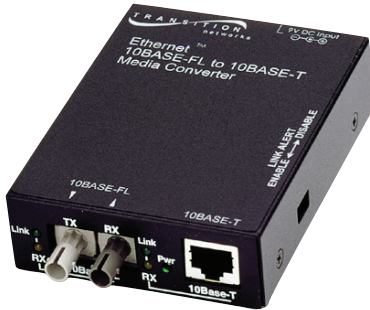


# E-TBT-FRL-05(HT) Series

## Unmanaged Hardened Ethernet Media Converter

### (1) 10Base-T Port + (1) 10Base-FL Port



The E-TBT-FRL-05 (HT) is a Hardened Ethernet stand-alone media converter that provides an interface between 10Base-T ports and 10Base-FL ports, allowing users to integrate fiber optic cabling into extreme 10Base-T copper environments, with an supported operating temperature range of -25°C to +70°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

- Auto-MDI/MDIX
- Link Pass Through
- Automatic Link Restoration
- Connect legacy coax devices to a 10Base-T network)

### Specifications

Standards	IEEE 802.3
Switch	S1: Enables/disables Link Pass Through
Status LEDs	PWR (Power): On for normal operation Link: Steady LED indicates unit is receiving link pulses from a compliant device Receive: Flashing or lit LED indicates packets are being received
Dimensions	Width: 3" [76 mm] Depth: 3.9" [99 mm] Height: 1" [25 mm]
Power Supply	External AC/DC required; 9 VDC. 1.0A; unregulated; standard
Environment	Operating: -25°C to +70°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Compliance	Safety: Wall Mount Power Supply: UL Listed and CSA certified, CISPR22/EN55022 Class A, FCC Class, CE Mark
Warranty	Lifetime

### Ordering Information

**E-TBT-FRL-05(HT)**  
10Base-T (RJ-45) [100 m/328 ft.]  
to 10Base-FL 850nm multimode (ST)  
[2 km/1.2 mi.] Link Budget: 13.5 dB

**E-TBT-FRL-05(SCHT)**  
10Base-T (RJ-45) [100 m/328 ft.]  
to 10Base-FL 850nm multimode (SC)  
[2 km/1.2 mi.] Link Budget: 13.5 dB

**E-TBT-FRL-05(XCHT)**  
10Base-T (RJ-45) [100 m/328 ft.]  
10Base-FL 1310nm single mode (SC)  
[20 km/12.4 mi.] Link Budget: 14.0 dB

Optional Accessories (sold separately)

Wide Input 9 (24 - 60 VDC) Power Supply

**SPS-2460-SA**  
Stand-Alone Power Supply

Mounting Options

**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]

**WMBS**  
Wall Mount Bracket 3.2" [81 mm]

**E-MCR-05**  
12 Slot media converter rack

### 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-TBT-FRL-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