E-TBT-FRL-05(xxHT)

Unmanaged Hardened Ethernet Media Converter

TRANSITION NETWORKS ®

(1) 10Base-T Port and (1) 10Base-FL Port

The E-TBT-FRL-05(xxHT) converter family contains simple "Plug and Play" converters used at the edge of a hardened network to provide 10Base-T Ethernet connections for legacy devices in challenging locations. Depending on the model, these converters can provide Multi-Mode or Single Mode fiber connections with SC or ST connectors for extended distance communications up to 40 kilometers. These converters ensure safe reliable operation in temperatures between -25°C and +70°C.

Transition Networks' hardened media converters are certified to operate reliably in harsh environments where excessive heat may be a concern, such as those found on factory floors, outdoor enclosures or other challenging environments. (Note that this device is rated to meet "temperature" requirements of industrial environments only.)

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-SA4-01
4-Slot Media Converter Shelf

WMBD
DIN Rail Bracket 5.0" [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

Features

- Auto-MDI/MDIX
- Link Pass Through
- Automatic Link Restoration
- Extended operating temperature (-40°C to 75°C)
- 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: 3.0" [76 mm] Depth: 3.9" [99 mm] Height: 1.0" [25 mm]
Weight	2 lbs. [0.90 kg]
Power	External AC/DC required; 9 VDC. 1.0A; unregulated; standard
Environment	Operating: -25°C to +70°C; Humidity: 5% – 95% (non-condensing) Altitude: 0 – 10,000 ft. altitude
Compliance	Safety: Wall Mount Power Supply: UL Listed and CSA certified CISPR22/EN55022 Class A; FCC Class; CE Mark
Waranty	Lifetime