



stand-alone media converter

E-TBT-FRL-05(xx)

Ethernet Copper to Fiber Media Converter

see also: Ethernet 10BASE Point System™ Slide-In-Modules

Ethernet

Stand-Alone

Extend Network Distance

(2) 10BASE-T to 10BASE-FL Media Converters used back-to-back extend the distance between (2) 10BASE-T devices up to 5 km (3.1 mi.) using multimode fiber or up to 40 km (24.9 mi.) using single mode fiber without a repeater.

Connect Unlike Devices

Connect your workgroup to a distant server or a central switch; or extend distances between like and unlike devices in either full or half-duplex modes.



▶ Integrate mixed cabling environments using either switched or shared Ethernet

Features

- ▶ AutoCross™ [
- ▶ Link Pass Through
- ▶ Automatic Link Restoration

Specifications

Standards	IEEE Std. 802.3 10BASE-T, 10BASE-FL
Switch	S1: Enables/disables Link Pass Through
Status LEDs	PWR (Power): ON = connection to external AC power Link: ON = unit is receiving link pulses from a compliant device RX (Receive): ON = packets are being received
Dimensions	Width: 3.0" [76 mm] Depth: 3.9" [99 mm] Height: 1.0" [25 mm]
Power	External AC/DC required; 12 VDC, 0.5A, unregulated, standard
Environment	0 – 50°C; 5% – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed, C-UL Listed (Canada)
Regulatory Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

Ordering Information

- E-TBT-FRL-05**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 850nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 13.5 dB
- E-TBT-FRL-05(SC)**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 850nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 13.5 dB
- E-TBT-FRL-05(L)**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 1300nm MM (ST)
[5 km/3.1 mi.] Link Budget: 13.5 dB
- E-TBT-FRL-05(SM)**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 1310nm SM (ST)
[20 km/12.4 mi.] Link Budget: 7.0 dB
- E-TBT-FRL-05(XC)**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 7.0 dB
- E-TBT-FRL-05(LH)**
10BASE-T (RJ-45) [100 m/328 ft.]
10BASE-FL 1310nm single mode (ST)
[40 km/24.9 mi.] Link Budget: 19.0 dB

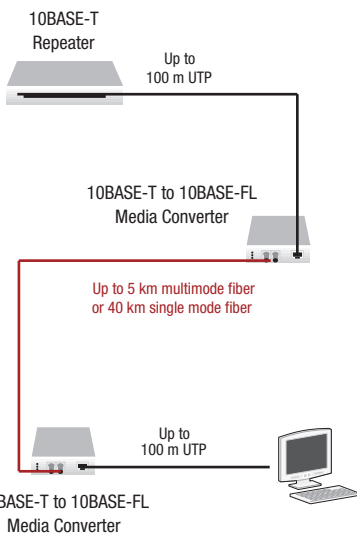
Optional Accessories (sold separately)

Wide Input (24 - 60 VDC) Power Supplies

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

Mounting Options

- E-MCR-05**
12-Slot Media Converter Rack
- 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]
- WMBV**
Vertical Wall Mount Bracket 5.0" [127 mm]



Ethernet 10BASE-T to 10BASE-FL