



# E-TBT-FRL-05(xx)

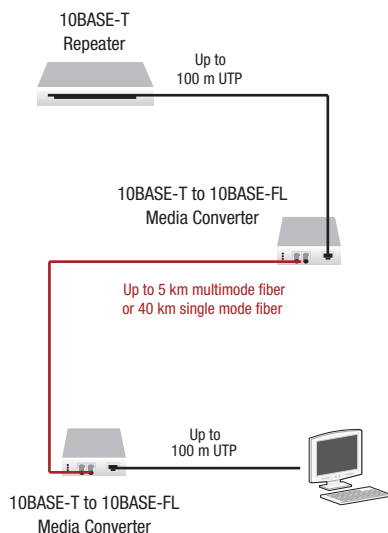
## Ethernet Copper to Fiber Media Converter

### Extend Network Distance

Two 10BASE-T to 10BASE-FL Media Converters used back-to-back extend the distance between two 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

(see product catalog for complete fiber optic connector specs)

Standards	IEEE Std. 802.3™ 10BASE-T, 10BASE-FL
Switch	<b>S1:</b> Enables/disables Link Pass Through
Status LEDs	<b>PWR (Power):</b> ON = connection to external AC power <b>Link:</b> ON = unit is receiving link pulses from a compliant device <b>RX (Receive):</b> ON = packets are being received
Dimensions	<b>Width:</b> 3.0" [76 mm] <b>Depth:</b> 3.9" [99 mm] <b>Height:</b> 1.0" [25 mm]
Power	External AC/DC required; 12VDC, 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	<b>Wall Mount Power Supply:</b> UL Listed, C-UL Listed (Canada)
Regulatory Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

### Ordering Info

**E-TBT-FRL-05**  
10BASE-T (RJ-45) [100 m/328 ft.]  
10BASE-FL 850 nm 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 850 nm 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 1300 nm 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 1310 nm 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 1310 nm 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 1310 nm single mode (ST)  
[40 km/24.9 mi.] Link Budget: 19.0 dB

### Optional Accessories (sold separately)

#### Wide Input (18 – 72VDC) Power Supplies:

**SPS-1872-CC**  
Piggy Back Power Supply

**SPS-1872-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]

**WMB5**  
Wall Mount Bracket 3.2" [81 mm]

**WMBV**  
Vertical Wall Mount Bracket 5.0" [127 mm]