

## Mini Fast Ethernet Media Converter

100Base-TX to 100Base-FX



M/E-TX-FX-01

The M/E-TX Series is a Fast Ethernet stand-alone Mini media converter that provides cost effective media conversion between 100Base-TX ports and 100Base-FX ports. With its fixed configuration, deployments are just plug-and-play, and its small size makes it ideal for locations where space is limited. 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

- Fiber integration used in pairs or as a single unit, this mini media converter will ease the integration of fiber optic cabling into copper-rich fast Ethernet environments
- Extend Network Distance as fiber supports the transmission of Fast Ethernet data over much longer distances than possible twisted pair
- Low-Latency Layer 1 Design, this mini converter will retransmit Fast Ethernet signals without any store-and-forward packet inspection delays found in other Layer 2 devices
- Small Size is ideal for conversion locations where available space is limited - 65% smaller than standard media converter
- Unit and port LEDs allow for quick status information
- Auto-Negotiation
- Auto-MDI/MDIX

### Specifications

Standards	IEEE 802.3u 100Base-TX 100Base-FX
Status LEDs	PWR (Power) below RJ-45: On = Power FX-Link/Act (Fiber Link / Activity) Upper Left on RJ-45: On = link, Flashing = Activity TX-Link/Act (Copper Link / Activity) Upper Right on RJ-45: On = link, Flashing = Activity
Dimensions	Width: 1.8" [46 mm] Depth: 3.3" [85 mm] Height: 0.85 [22 mm]
Power Consumption	2.6 Watts
Power Supply	External AC/DC required; +12VDC, 0.5A
Power Input	7.5VDC to 13.9VDC
Environment	Operating: 0°C to 50°C Storage: -15°C to 65°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	41,680 hours (MIL-HDBK-217F) 114,580 hours (Bellcore7 V5.0)
Certifications	Wall Mount Power Supply, UL Listed, cUL Listed (Canada)
Warranty	Lifetime

### Ordering Information

**M/E-TX-FX-01**  
100Base-TX (RJ-45) [100m/328 ft.]  
to 100Base-FX 1300nm multimode (ST)  
[2km/1.2mi.] Link Budget: 11.0db

**M/E-TX-FX-01(SC)**  
100Base-TX (RJ-45) [100m/328 ft.]  
to 100Base-FX 1300nm multimode (SC)  
[2km/1.2mi.] Link Budget: 11.0db

**M/E-TX-FX-01(SM)**  
100Base-TX (RJ-45) [100m/328 ft.]  
to 100Base-FX 1310nm single mode (SC)  
[20km/12.4mi.] Link Budget: 16.0db

**M/E-TX-FX-01(SFP)**  
100Base-TX (RJ-45) [100m/328 ft.]  
to 100Base-X SFP Slot (empty)

**Optional Accessories** (sold separately)

#### SFP Modules

**Wide Input DC Power Supply**  
(sold separately)

**SPS-2460-SA**  
24VDC to 60VDC input Stand-alone  
Power Supply

**Mounting Options** (sold separately)

#### WMBM

Wall Mount Bracket for Mini

#### M-MCR-01

18-Slot Powered Mini Chassis

#### DRBM

DIN Rail Mount Bracket for Mini

#### RMBM

Rack Mount Bracket for Mini, use with  
RMS19-SA4-02 and/or E-MCR-05

#### 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: M/E-TX-FX-01-NA

#### -NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil