

M/E-TX-FX-01

Mini Fast Ethernet Media Converter

100Base-TX to 100Base-FX



M/E-TX-FX-01

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:** Fiber supports the transmission of fast Ethernet data over much longer distances than is possible twisted pair
- **Low-Latency Design:** As a 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:** Ideal for conversion locations where available space is at a premium - 65% smaller than standard media converter

The Fast Ethernet Mini Media Converter provides cost effective, entry-level media conversion for physical layer fiber integration into copper based environments. With its fixed configuration, deployment is easy, just plug and play, and with its small size, it is ideal for locations where space is at a premium.

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" [46mm] Depth: 3.3" [85mm] Height: 0.85 [22mm]
Power	Consumption: 2.6 watt Sources: External AC/DC required; +12VDC, 0.5A Input: 7.5VDC to 13.9VDC
Environment	Operating: 0°C to 50 °C Storage: -15°C to 65 °C Altitude: 0 - 10,000 feet Humidity: 5% to 95% (non-condensing)
Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply, UL Listed, C-UL Listed (Canada)
Compliance	Safety: Wall Mount Power Supply:UL Listed, C-UL Listed (Canada)
Warranty	Lifetime

Applications

- **Connect Legacy Networking Equipment**
Connect an existing 10 Mbps device to 100 Mbps devices.
- **Eliminate Collision Domains**
Separate Collision Domains while linking two half-duplex hubs with a collision free full-duplex connection over fiber.
The Mini Media Converters provide a cost-effective method for integrating fiber optic cabling into a 100Base environment. With its miniature size, the Mini offers a space saving alternative while it converts copper to fiber with the smallest footprint available in the industry.



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)

M/E-TX-FX-01(100)
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm TX/1550nm RX
single fiber single mode (SC) [20 km/12.4 mi.]
LB: 19.0 dB

M/E-TX-FX-01(101)
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm TX/1310nm RX
single fiber single mode (SC) [20 km/12.4 mi.]
LB: 19.0 dB

Optional Accessories (sold separately)

Wide Input DC Power Supply

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

Mounting Options

WMBM
Wall Mount Bracket for Mini

RMBM
Rack Mount Bracket for Mini, use with
RMS19-SA4-01 and/or E-MCR-05

**POWER
SUPPLY
INCLUDED**