



10/100 Bridging 10/100BASE-TX to 100BASE-FX

Mx/E-PSW-FX-01(xx)

Mini 10/100 Bridging Media Converter



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 10/100 UTP 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.

Powering Options

Depending upon the unit, this plug-and-play media converter offers three methods for powering the unit. All Mini's can be powered with the included power adapter, while other options include powering through a USB port or through an 802.3af Power-over-Ethernet enabled RJ-45 port.* Two power options can be used simultaneously, providing the security of redundant power supplies. The Mini is available with either ST or SC fiber interfaces and is available for either multi mode or single mode fiber.

Features

- Unit and Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- AutoCross™
- Fixed Link Pass Through on POE and USB powered units
- Automatic Link Restoration
- Far-End-Fault on all three versions
- Powering Options: Standard power adapter; POE enabled RJ-45; or USB port

M/E-PSW-FX-01(xx) features:

- Auto-Negotiation
- AutoCross™
- Far-End-Fault

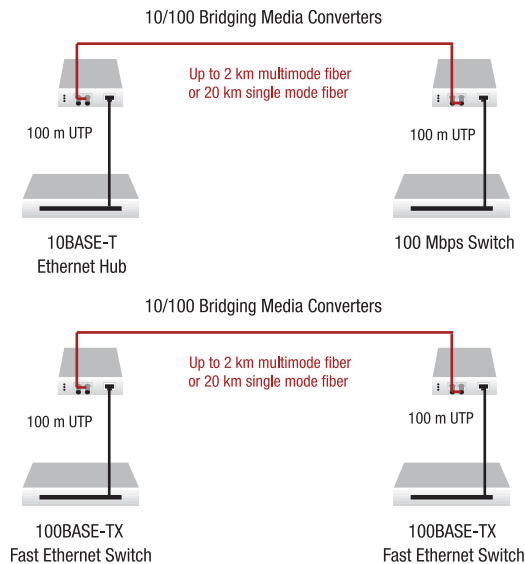
MP/E-PSW-FX-01(xx) features:

- Auto-Negotiation
- AutoCross™
- Link Pass Through
- Far-End-Fault
- POE PD

MU/E-PSW-FX-01(xx) features:

- Auto-Negotiation
- AutoCross™
- Link Pass Through
- Far-End-Fault

Connect Legacy Devices & Eliminate Collision Domains



Specifications

Standards	IEEE Std. 802.3™, 802.3af
Status LEDs	PWR (Power): (below RJ-45) ON = Link; Flashing = Activity 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 Sources	Unit accepts 5VDC to 50VDC on barrel Wall Mount AC adapter: 12VDC 400mA USB connector: 5VDC; TP connector IEEE802.3af PD device: 36 to 57 VDC
Operating Temp	0°C to 50°C (32°F to 122°F)
Storage Temp	-15°C to 65°C (-5°F to 149°F)
Humidity	5% – 95% humidity non-condensing
Altitude	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, CE Mark
Warranty	Lifetime

Optional Accessories (sold separately)

USB Cables:

USBC-AM-BM-03
USB 2.0 Cable A male to B male
[3 ft. Gray]

USBC-AM-BM-06
USB 2.0 Cable A male to B male
[6 ft. Gray]

Wide Input Power Supplies:

SPS-1872-SA (see page 70)

Mounting Options:

WMBM (see page 69)

Wall Mount Bracket for Mini

RMBM

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

Ordering Info

Standard Power Adapter:

M/E-PSW-FX-01

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

M/E-PSW-FX-01(SC)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

M/E-PSW-FX-01(SM)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm SM (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

M/E-PSW-FX-01(100)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm TX / 1550 nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] LB: 19.0 dB

M/E-PSW-FX-01(101)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550 nm TX / 1310 nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] LB: 19.0 dB

M/E-PSW-FX-01(102)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm TX / 1550 nm RX
single fiber single mode (SC)
[40 km/24.9 mi.] LB: 25.0 dB

M/E-PSW-FX-01(103)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550 nm TX / 1310 nm RX
single fiber single mode (SC)
[40 km/24.9 mi.] LB: 25.0 dB

MP/E-PSW-FX-01

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

MP/E-PSW-FX-01(SC)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

MP/E-PSW-FX-01(SM)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm SM (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

MU/E-PSW-FX-01

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

MU/E-PSW-FX-01(SC)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300 nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

MU/E-PSW-FX-01(SM)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm SM (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

MU/E-PSW-FX-01(100)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm TX / 1550 nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

MU/E-PSW-FX-01(101)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550 nm TX / 1310 nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

MU/E-PSW-FX-01(102)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm TX / 1550 nm RX
single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

MU/E-PSW-FX-01(103)

10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550 nm TX / 1310 nm RX
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