

## Mini Fast Ethernet Media Converter

10/100Base-TX to 100Base-FX



M/E-PSW-FX-02(SM)

The M/E-PSW Series is a Fast Ethernet stand-alone Mini media converter that provides cost effective media conversion between 10/100Base-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 2, the data link layer, this converter not only converts copper to fiber, it also provides rate conversion allowing legacy 10Base-T copper devices to connect to 100Base-FX fiber.

### Features

- Unit and Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- Auto-MDI/MDIX
- Automatic Link Restoration
- Far-End-Fault (FEF)
- Connect to legacy network equipment
- Eliminate Collision Domains

### Specifications

Standards	IEEE 802.3
Max Frame Size	1632 bytes
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 Supply	External AC/DC required; +12VDC, 0.5A min
Power Input	7.5 VDC to 13.9 VDC
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	41,660 hours (MIL-HDBK-21F) 114,580 hours (Bellcore)
Certifications	Safety: Wall Mount Power Supply: UL Listed, cUL Listed (Canada) FCC Class A, CISPR22/EN55022 Class A, EN55024, CE Mark
Warranty	Lifetime

### Ordering Information

**M/E-PSW-FX-02**

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

**M/E-PSW-FX-02(SC)**

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

**M/E-PSW-FX-02(SM)**

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

**Optional Accessories** (sold separately)

**Wide Input Power Supplies**

**SPS-2460-SA**

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-PSW-FX-02-NA

**-NA = Country Code**

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