

Mini Fast Ethernet Media Converter

10/100Base-TX to 100Base-FX

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.



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

Key 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 |

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 |

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 (sold separately)

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

Mouser Electronics

Authorized Distributor

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