

# M/E-PSW-FX-02(xx)

## Mini Fast Ethernet Media Converter

### 10/100Base-TX to 100Base-FX



M/E-PSW-FX-02

### 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)

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 802.3                                                                                                                                                                                                                                                       |
| Status LEDs | PWR (Power): (below RJ-45)<br>ON = Link; Flashing = Activity<br>FX-Link/Act (Fiber Link/Activity):<br>(Upper Left on RJ-45)<br>ON = Link; Flashing = Activity<br>TX-Link/Act (Copper Link/Activity):<br>(Upper Right on RJ-45)<br>ON = Link; Flashing = Activity |
| Dimensions  | Width: 1.8" [46 mm]<br>Depth: 3.3" [85 mm]<br>Height: 0.85" [22 mm]                                                                                                                                                                                              |
| Power       | Consumption: 2.6 watt<br>Sources: External AC/DC required; +12VDC, 0.5A min                                                                                                                                                                                      |
| Environment | Storage: -15°C to 65°C<br>Operating: 0°C to 50°C<br>Altitude: 0 – 10,000 feet<br>Humidity: 5% to 95% (non-condensing)                                                                                                                                            |
| Weight      | 2 lbs. [0.90 kg]                                                                                                                                                                                                                                                 |
| Compliance  | Safety: Wall Mount Power Supply:<br>UL Listed, C-UL Listed (Canada)<br>FCC Class A, CISPR22/EN55022<br>Class A, EN55024, CE Mark                                                                                                                                 |
| 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 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.



### 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 SM (SC) [20 km/12.4  
mi.]Link Budget: 16.0 dB

#### M/E-PSW-FX-02(100)

10/100BASE-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-PSW-FX-02(101)

10/100BASE-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

#### M/E-PSW-FX-02(102)

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

#### M/E-PSW-FX-02(103)

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

**Optional Accessories** (sold separately)

#### Wide Input Power Supplies

##### SPS-2460-SA

### Mounting Options

#### WMBM

Wall Mount Bracket for Mini

#### RMBM

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

**POWER  
SUPPLY  
INCLUDED**