

M/E-ISW-FX-01(xx) & M/E-ISW-FX-01AC(xx)

Hardened Mini 10/100 Media Converter



Hardened Mini Media Converters provide a cost-effective method for integrating fiber optic cabling in 10/100 UTP Ethernet networks. Featuring a wide operating temperature range between -40 C and +75 C, low-voltage power, multiple mounting methods and Transition Networks' Lifetime Warranty, these problem solvers are guaranteed to be trouble-free in outdoor or other challenging applications.

Features

- Unit and Port LEDs provide quick status
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- AutoCross™ on copper port
- Link Pass Through
- Automatic Link Restoration
- Far-End-Fault
- DC and AC powered models
- Overload Current Protection
- Reverse Polarity Protection
- Din Rail Mounting and Wall Mount Brackets Included

Specifications

Standards	IEEE Std. 802.3
Status LEDs	PWR (Power): (below RJ-45) 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	2.5 Watts
Power Sources	12-48 VDC AC version also supports 22-36 VAC ± 10% Overload Current Protection Reverse Polarity Protection
Operating Temp	-40°C to 75°C
Storage Temp	-40°C to 85°C
Humidity	5% – 95% humidity non-condensing
Altitude	0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Regulatory Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55024, CE Mark
Warranty	Lifetime

Ordering Information

[AC] = AC powered option available
M/E-ISW-FX-01 or M/E-ISW-FX-01-AC

M/E-ISW-FX-01
M/E-ISW-FX-01AC
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 12.0 dB

M/E-ISW-FX-01 (MMLC)
M/E-ISW-FX-01AC (MMLC)
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm multimode (LC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

M/E-ISW-FX-01 (SC)
M/E-ISW-FX-01AC (SC)
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 12.0 dB

M/E-ISW-FX-01 (SM)
M/E-ISW-FX-01AC (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-ISW-FX-01 (SMLC)
M/E-ISW-FX-01AC (SMLC)
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310 nm SM (LC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

Single Fiber Products

M/E-ISW-FX-01 (100)
M/E-ISW-FX-01AC (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.] Link Budget: 18.0 dB

M/E-ISW-FX-01 (101)
M/E-ISW-FX-01AC (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.] Link Budget: 18.0 dB

M/E-ISW-FX-01AC (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.] Link Budget: 26.0 dB

M/E-ISW-FX-01AC (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.] Link Budget: 26.0 dB

Optional Accessories (sold separately)

SFP Modules

External AC/DC Power Supply

SPS-UA12DHT 12 VDC 18W

25083 10.8~13.2 VDC 24W

(See page 28 for details)