

M/GE-ISW Series

Hardened Mini 10/100/1000 Bridging Media Converter



Features

- Unit & Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on Fiber
- Auto-MDI-MDIX on copper port
- Active Link Pass Through
- Jumbo Frame (up to 10240Bytes)
- Supports DC and AC Input Power via terminal block
 - Includes barrel connector pig-tail cable
- Multiple mounting options
 - DIN Rail clip and Velcro included
 - Wall mount bracket sold separately
- Overload Current Protection
- Reverse Polarity Protection

The M/GE-ISW Series is an hardened Gigabit Ethernet Mini media converter that provides a cost effective, entry-level media conversion between 10/100/1000Base-T ports and 1000Base-SX/LX ports for hardened or outdoor 10/100/1000 environments. With its supported operating temperature range of -40°C to +75°C, the Mini offers a space saving alternative for converting copper to fiber in extreme environments.

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3x
Max Frame Size	10240 bytes
Status LEDs	PWR (Power): (below RJ-45) ON = Lit for normal operation 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	1.2 Watts
Power Input	Unit accepts 12 - 48 VDC or 24 - 36VAC (External power supplies sold separately)
Environment	Operating: -40°C to +75°C Storage: -40°C to +85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 - 10,000 ft.
Weight	0.40 lbs. [0.18 kg]
Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55034, CE Mark
Warranty	Lifetime

Ordering Information

M/GE-ISW-SX-01

Hardened Mini 10/100/1000Base-T (RJ-45) to 1000Base-SX, SC, multimode, [62.5/125 um: 220 m/722 ft.] [50/125 um: 550 m/1804 ft.] Link Budget: 7.5 dB

M/GE-ISW-LC-01

Hardened Mini 10/100/1000Base-T (RJ-45) to 1000Base-SX, LC, multimode, [62.5/125 um: 220 m/722 ft.] [50/125 um: 550 m/1804 ft.] Link Budget: 8.0 dB

M/GE-ISW-LX-01

Hardened Mini 10/100/1000Base-T (RJ-45) to 1000Base-LX, SC, single mode, [10 km/6.2 mi.] Link Budget: 10.5 dB

M/GE-ISW-SFP-01

Hardened Mini 10/100/1000Base-T (RJ-45) to 100/1000Base-X Open SFP Slot

Optional Accessories (sold separately)

SPS-UA12DHT

12 VDC, 18W, External AC/DC Desktop Power Supply

25083

10.8 - 13.2 VDC, 24W, External AC/DC DIN Rail Mount Power Supply

WMBM

Wall Mount Bracket Mini

RMBM

Rack Mount Bracket for Mini Media Converters in the RMS19-SA4-02

SFP Modules

Supports Hardened Grade SFP Modules