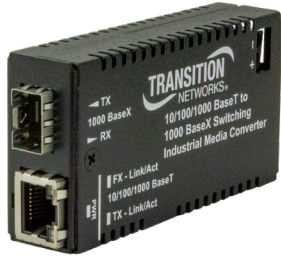


Hardened Mini Gigabit Ethernet Media Converter

10/100/1000Base-T to 1000Base-SX/LX



M/GE-ISW-SFP-01

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
 - If the voltage of your power source doesn't match the device input power, external power supplies are available
 - 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 cost effective media conversion between 10/100/1000Base-T ports and 1000Base-SX/LX ports for hardened or outdoor 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 802.3ab 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	2-pin terminal block 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]
MTBF	Greater than 41,680 hours (MIL-HDBK-217F) Greater than 114,580 hours (Bellcore7 V5.0)
Certifications	FCC Class A, CISPR22/EN55022 Class A, EN55034, CE Mark
Warranty	Lifetime

Ordering Information

M/GE-ISW-SX-01

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

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

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

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

Optional Accessories (sold separately)

SFP Modules

Power Supply (sold separately)

SPS-UA12DHT

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

25165

Universal AC/DC Input DIN Rail Mountable
+12 VDC Power Supply

Mounting Options (sold separately)

WMBM

Wall Mount Bracket Mini

RMBM

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