M/GE-PSW Series

Mini Gigabit Ethernet Media Converter

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

M/GE-PSW-SX-01

The M/GE-PSW Series is a Gigabit Ethernet stand-alone Mini media converter that provides cost effective media conversion between 10/100/1000Base-T ports and 1000Base-SX/LX 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 10/100 copper devices to connect to 1000Base-SX/LX fiber.

Features

- Unit & Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- Auto-MDI/MDIX
- Active Link Pass Through
- Automatic Link Restoration
- Space saving design
- Connect Legacy Networking Equipment: Connect an existing 10/100 Mbps device to 1000 Mbps devices.
- Jumbo Frame (up to 10,240 Bytes)
- USB Power Option, requires the use of a USB to DC barrel connector cable (USBC-AM-DC)

Specifications

Standards	IEEE 802.3
Max Frame Size	Up to 10,240 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	3.15 Watts
Power Supply	Unit accepts 4.5 VDC to 28 VDC Wall Mount AC adapter: 12 VDC 400mA
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	24,466 hours (MIL217F2 V5.0) (MIL-HDBD-217F) 100,130 hours (Bellcore7 V5.0)
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/GE-PSW-SX-01-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/GE-PSW-SX-01(ST)
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (ST) [62.5/125 µm fiber: 220 m/722 ft.] Link Budget: 7.0 dB [50/125 µm fiber: 550 m/1804 ft.] Link Budget: 7.0 dB

M/GE-PSW-SX-01
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (SC) [62.5/125 µm fiber: 220 m/722 ft.] Link Budget: 7.0 dB [50/125 µm fiber: 550 m/1804 ft.] Link Budget: 7.0 dB

M/GE-PSW-SX-01(LC)
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (LC) [62.5/125 µm fiber: 220 m/722 ft.] Link Budget: 7.0 dB [50/125 µm fiber: 550 m/1804 ft.] Link Budget: 7.0 dB

M/GE-PSW-LX-01
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX 1310nm single mode (SC) [10 km/6.2 mi.] Link Budget: 10.5 dB

M/GE-PSW-SFP-01
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 100/1000Base-X SFP Slot (empty)

Optional Accessories (sold separately)

SFP Modules

Wide Input (24 - 60 VDC) Power Supply (sold separately)

SPS-2460-SA
Stand-Alone Power Supply

USBC-AM-DC
USB 2.0 cable male to barrel connector USB Power Cable

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

Note: Long Haul single mode and Single Strand single mode are available upon request.