

M/GE-PSW Series

Mini Gigabit Ethernet Media Converter

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



M/GE-PSW-SX-01

Features

- Unit & Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- Auto-MDI/MDIX
- Fixed Link Pass Through
- Automatic Link Restoration
- Space saving design
- Connect Legacy Networking Equipment: Connect an existing 10/100 Mbps device to 1000 Mbps devices.

The M/GE-PSW Series is a Gigabit Ethernet stand-alone Mini media converter that provides cost effective, entry-level media conversion between 10/100/1000Base-T ports and 1000Base-SX/LX ports. With its fixed configuration, deployments are just plug-and-play, and with its small size, it is 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.

Specifications

Standards	IEEE 802.3
Max Frame Size	Untagged: 1632 bytes Tagged: 1628 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 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]
Compliance	Safety: Wall Mount Power Supply, UL Listed, cUL Listed (Canada) FCC Class A, CISPR22/EN55022 Class A, EN55024, CE Mark
Warranty	Lifetime

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-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

Optional Accessories (sold separately)

Wide Input (24 - 60 VDC) Power Supply

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options

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.

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