

Mini Gigabit Ethernet Media Converter

1000Base-T to 1000Base-SX/LX



M/GE-T-SX-01

The M/GE-T Series is a Gigabit Ethernet stand-alone Mini media converter that provides cost effective media conversion between 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 1, the physical layer, data is passed through the converter at line speed, making it ideal for applications where low latency is essential.

Features

- Auto-Negotiation
- Auto-MDI/MDIX
- Automatic Link Restoration
- Interoperable with other 1000Base-T/SX/LX NICs or switch ports
- Status LEDs for easy monitoring
- Supports SFP modules
- Supports Jumbo Frames up to 13312bytes
- 65% smaller than standard media converter
- Extend Network Distance
- Low-Latency Design
- Fiber Link Pass Through

Specifications

Standards	IEEE 802.3z IEEE 802.3ab
Status LEDs	PWR (Power) below RJ-45: On = Power 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	2.6 Watts
Power Supply	External AC/DC required; +12VDC, 0.5A
Power Input	7.5VDC to 13.9VDC
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	Unit: Greater than 250,000 Hours (MIL-HDBK-217F) Greater than 687,500 Hours (Bellcore) With Power Supply: Greater than 41,660 Hours (MIL-HDBK-217F) Greater than 114,580 Hours (Bellcore)
Certifications	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-T-SX-01

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

M/GE-T-SX-01(LC)

1000Base-T (RJ-45) [100m/328 ft.] to 1000Base-SX 850nm multimode (LC) [62.5/125 μm fiber: 220 m/722 ft.] [50/125 μm fiber: 550 m/1804 ft.] Link Budget: 8.5 dB

M/GE-T-LX-01

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

M/GE-T-SFP-01

1000Base-T (RJ-45) [100m/328 ft.] to SFP slot (empty)

Optional Accessories (sold separately)

SFP Modules

Wide Input DC Power Supply (sold separately)

SPS-2460-SA

24VDC to 60VDC input Stand-alone Power Supply

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

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-T-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