

mini stand-alone media converter

# M/GE-T-xX-01

## Mini Gigabit Ethernet Media Converter



### Fiber Integration

Used in pairs or as a single unit, this mini media converter will ease the integration of fiber optic cabling into copper-rich Gigabit Ethernet environments

### Extend Network Distance

Convert 1000Base-T ports over to 1000Base-SX/LX on a port-by-port basis. Fiber supports the transmission of Gigabit Ethernet data over much longer distances than is possible twisted pair

### Low-Latency Design

As a layer-1 design, this Mini converter will retransmit Gigabit Ethernet signals without any store-and-forward packet inspection delays found in other layer-2 devices

### Space Saving Design

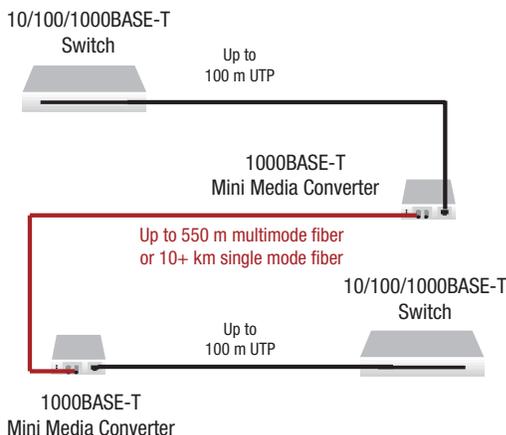
Ideal for conversion locations where available space is at a premium

- 65% smaller than standard media converter

## Features

- ▶ Auto-Negotiation
- ▶ AutoCross™
- ▶ Fiber Link Pass Through
- ▶ 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

## Extend Network Distance



## Specifications

Standards	IEEE Std. 802.3z 1000Base-X and IEEE Std. 802.3ab 1000Base-T
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" (46mm) Depth: 3.3" (85mm) Height: 0.85 (22mm)
Power Consumption	2.4 Watts
Power Sources	External AC/DC required; +12VDC, 0.5A
Power Input	7.5VDC to 13.9VDC
Environment	Storage Temp: -15 to +65 degrees C Operating Temp: 0 to +50 degrees C Altitude: 0 - 10,000 feet Humidity: 5% to 95% non-condensing
Shipping Weight	2 lbs. (0.90 kg)
Safety Compliance	Wall Mount Power Supply, UL Listed, C-UL Listed (Canada)
Regulatory Compliance	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 MM (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-LX-01**  
1000BASE-T (RJ-45) [100m/328 ft.] to 1000BASE-LX 1310m SM (SC)  
[10 km/6.2 mi.] Link Budget: 10.5dB

**M/GE-T-SFP-01**  
1000BASE-T (RJ-45) [100m/328 ft.] to to SFP slot (empty)

Longer transmission distances, bi-directional transmissions, and CWDM technology are all supported via specific SFP modules

### Optional Accessories (sold separately)

**SFP Modules**  
Transition Networks offers a wide range of 1000Mbps Gigabit Ethernet SFP Modules

### Wide Input DC Power Supply

**SPS-2460-SA**  
24VDC to 60VDC input Stand-alone Power Supply

### Mounting Options

**WMBM**  
Wall Mount Bracket for Mini

**RMBM**  
Rack Mount Bracket for Mini, use with RMC190SA4-01 and/or E-MCR-05