TRENDnet’s 100/1000BASE-T to SFP Media Converter, model TFC-1000MGA, is a reliable Plug-and-Play Fiber-to-Ethernet converter in a compact form factor. This versatile fiber converter supports both Multi-Mode (SX) and Single-Mode (LX) fiber standards for transmission distances of up to 80 kilometers (50 miles).

The Mini-GBIC slot and Gigabit Ethernet port Auto-Negotiate between 100 and 1000Mbps transmission speeds. Diagnostic LEDs on the front of the converter convey device status. Control Auto-Negotiation (Forced/Auto-Negotiation) and Link Loss Return (Enable/Disable) with an internal dip-switch. This sturdy metal housed converter can be installed as a standalone unit and is compatible with TRENDnet’s expandable 16-Bay Fiber Converter Chassis System, model TFC-1600.

FEATURES

• Compliant with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards
• 1 x 10/100/1000Base-T RJ-45 port
• 1 x 100Base-FX/1000Base-SX/LX Mini-GBIC slot
• Provides Dip switch to set: Fiber (Forced/Auto-Negotiation), LLR (Enable/Disable)
• Support LLCF (Link Loss Carry Forward, Link Pass Through)
• Support LLR (Link Loss Return) for Fiber port
• Monitor and configure Ethernet or Fiber’s duplex mode, LLR, and receive link down information via management module TFC-1600MM and chassis TFC-1600
• Status LED indicators for Power, Link/Activity and Fail
• Wall mountable
• Compatible with TRENDnet’s 16-Bay Fiber Converter Chassis System, model TFC-1600 (holds up to 16 TFC series Media Converters)
• 3-year limited warranty
## SPECIFICATIONS

### HARDWARE

| Standard | IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX  
| Supported Frame Size | Standard Ethernet up to 10Kbytes  
| Network Media | 10/100Base-TX : Cat. 5 EIA/TIA-568 100-ohm UTP/STP, up to 100m  
| | 1000Base-T : Cat. 5E or Cat. 6 EIA/TIA-568 100-ohm UTP/STP, up to 100m  
| | Multi-mode fiber optic cable 50/125 µm, up to 550m  
| | Multi-mode fiber optic cable 62.5/125 µm, up to 220m  
| | Single-mode fiber optic cable 9/125 µm, up to 80km (TEG-MGBS80)  
| Protocol | CSMA/CD  
| Ports | 1 x 10/100/1000Mbps Gigabit port  
| | 1 x 100/1000Base-SX/LX Mini-GBIC slot for optional Mini-GBIC modules  
| Dip Switch | Fiber (forced/auto-negotiation), LLR (enable/disable)  
| Transfer Rate | 200Mbps (full-duplex)  
| | 2000Mbps (full-duplex)  
| Diagnostic LEDs | Per Unit : Power  
| | Per Port : Link/Activity/Fail  
| Power Adapter | 5V DC, 1A external power adapter  
| Power Consumption | 5 Watts (max.)  
| Dimensions | 120 x 88 x 25 mm (4.7 x 3.46 x 0.98 in.)  
| Weight | 285 g (10.2 oz.)  
| Temperature | Operating : 0° ~ 40° C (32° ~ 104° F)  
| | Storage : -25° ~ 70° C (-13° ~ 158° F)  
| Humidity | Max. 90% (non-condensing)  
| Certifications | CE, FCC

### PACKAGE CONTENTS

- TFC-1000MGA  
- Multi-Language Quick Installation Guide  
- Power Adapter (5V, 1A)

### RELATED PRODUCTS

- TEG-MGBS40 Mini-GBIC Single-Mode LC Module  
- TEG-MGBS10D35 Mini-GBIC Dual Wavelength Single-Mode LC Module  
| 1310/1550 Pair  
- TFC-1600 16-Bay Fiber Converter Chassis System

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