



100/1000BASE-T to SFP Media Converter TFC-1000MGA [V1.0R]

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

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SPECIFICATIONS

HARDWARE

Standard	• IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3u 100Base-FX, IEEE 802.3z 1000Base-SX/LX
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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