



## 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

# 100/1000BASE-T to SFP Media Converter

## TFC-1000MGA [V1.0R]



## SPECIFICATIONS

### HARDWARE

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b>             | <ul style="list-style-type: none"><li>• IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX</li><li>• IEEE 802.3ab 1000Base-T</li><li>• IEEE 802.3u 100Base-FX, IEEE 802.3z 1000Base-SX/LX</li></ul>                                                                                                                                                                                                                                                         |
| <b>Supported Frame Size</b> | <ul style="list-style-type: none"><li>• Standard Ethernet up to 10Kbytes</li></ul>                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Network Media</b>        | <ul style="list-style-type: none"><li>• 10/100Base-TX : Cat. 5 EIA/TIA-568 100-ohm UTP/STP, up to 100m</li><li>• 1000Base-T : Cat. 5E or Cat. 6 EIA/TIA-568 100-ohm UTP/STP, up to 100m</li><li>• Multi-mode fiber optic cable 50/125 <math>\mu</math>m, up to 550m</li><li>• Multi-mode fiber optic cable 62.5/125 <math>\mu</math>m, up to 220m</li><li>• Single-mode fiber optic cable 9/125 <math>\mu</math>m, up to 80km (TEG-MGBS80)</li></ul> |
| <b>Protocol</b>             | <ul style="list-style-type: none"><li>• CSMA/CD</li></ul>                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Ports</b>                | <ul style="list-style-type: none"><li>• 1 x 10/100/1000Mbps Gigabit port • 1 x 100/1000Base-SX/LX Mini-GBIC slot for optional Mini-GBIC modules</li></ul>                                                                                                                                                                                                                                                                                            |
| <b>Dip Switch</b>           | <ul style="list-style-type: none"><li>• Fiber (forced/auto-negotiation), LLR (enable/disable)</li></ul>                                                                                                                                                                                                                                                                                                                                              |
| <b>Transfer Rate</b>        | <ul style="list-style-type: none"><li>• 200Mbps (full-duplex) • 2000Mbps (full-duplex)</li></ul>                                                                                                                                                                                                                                                                                                                                                     |
| <b>Diagnostic LEDs</b>      | <ul style="list-style-type: none"><li>• Per Unit : Power • Per Port : Link/Activity/Fail</li></ul>                                                                                                                                                                                                                                                                                                                                                   |
| <b>Power Adapter</b>        | <ul style="list-style-type: none"><li>• 5V DC, 1A external power adapter</li></ul>                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Power Consumption</b>    | <ul style="list-style-type: none"><li>• 5 Watts (max.)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dimensions</b>           | <ul style="list-style-type: none"><li>• 120 x 88 x 25 mm (4.7 x 3.46 x 0.98 in.)</li></ul>                                                                                                                                                                                                                                                                                                                                                           |
| <b>Weight</b>               | <ul style="list-style-type: none"><li>• 285 g (10.2 oz.)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Temperature</b>          | <ul style="list-style-type: none"><li>• Operating : 0° ~ 40° C (32° ~ 104° F) • Storage : -25° ~ 70° C (-13° ~ 158° F)</li></ul>                                                                                                                                                                                                                                                                                                                     |
| <b>Humidity</b>             | <ul style="list-style-type: none"><li>• Max. 90% (non-condensing)</li></ul>                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Certifications</b>       | <ul style="list-style-type: none"><li>• CE, FCC</li></ul>                                                                                                                                                                                                                                                                                                                                                                                            |

## PACKAGE CONTENTS

TFC-1000MGA

Multi-Language Quick Installation Guide

Power Adapter (5V, 1A)

## RELATED PRODUCTS

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

## CONTACT INFORMATION

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