



Intelligent 1000Base-T to SFP Media Converter TFC-1000MGB

TRENDnet's TFC-1000 series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Mini-GBIC) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The Mini-GBIC connection supports shortwave (SX) or longwave (LX) laser optic with multi-mode or single-mode Mini-GBIC module. This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a great distance. With the optional 16-slot EIA-19" rack-mount chassis, the TFC series converters are the perfect solutions for various fiber media conversions for your network.

FEATURES

- Compliant with IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX Gigabit Ethernet Standards
- Provides One 1000Base-T Port, one 1000Base-SX/LX Mini-GBIC Slot
- Support Full-Duplex and Auto-Negotiation Mode for Fiber Port
- Provide Dip Switch to settings: Fiber (Auto/Manual), LLR (Enable/Disable)
- Optional 19" Fiber Module Chassis (TFC-1600) holds up to 16 Media Converters
- Hot Pluggable
- 3-year limited warranty

MANAGEMENT FEATURES

- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Support LLR (Link Loss Return) for FX Port
- Monitor the Status of Duplex/Link with TFC-1600 and TFC-1600MM
- Set Duplex force, LLCF on/off, LLR on/off for FX, ports on/off with TFC-1600 and TFC-1600MM
- Provides Link Down Source Port Information

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SPECIFICATIONS

Hardware	
Standard	<ul style="list-style-type: none">• IEEE 802.3ab 100Base-T ; IEEE 802.3z 1000Base-SX ; IEEE 802.3z 1000Base-LX
Network Media	<ul style="list-style-type: none">• 1000Base-T: UTP Cat. 5, 5E, 6 EIA/TIA-568 100-ohm STP• 1000Base-SX: 50/125µm Multi-Mode Fiber Optic Cable, Up to 550m, 62.5/125µm Multi-Mode Fiber Optic Cable, Up to 220m• 1000Base-LX: 9/125µm Single-Mode Fiber Optic Cable
Protocol	<ul style="list-style-type: none">• CSMA/CD
Ports	<ul style="list-style-type: none">• 1 x 1000Base-T with RJ45 Connector• 1 x 1000Base-SX/LX Mini-GBIC Slot for optional Mini-GBIC module
Transfer Rate	<ul style="list-style-type: none">• 2000Mbps (Full Duplex)
DIP Switch	<ul style="list-style-type: none">• Auto Negotiation or Manual for FX• LLR Enable or Disable for FX
Diagnostic LED	<ul style="list-style-type: none">• Power, Link/Activity
Power Adapter	<ul style="list-style-type: none">• 7.5V DC, 1.5A External Power Adapter
Power Consumption	<ul style="list-style-type: none">• 5.5 watts (max)
Dimensions	<ul style="list-style-type: none">• 120 x 88 x 25mm (4.7 x 3.46 x 0.98 inches)
Weight	<ul style="list-style-type: none">• 354g (12.5oz)
Temperature	<ul style="list-style-type: none">• Operating : 0° ~ 40° C (32° ~ 104° F); Storage : -25° ~ 70° C (-13° ~ 158° F)
Humidity	<ul style="list-style-type: none">• 5% ~ 90% RH
Certification	<ul style="list-style-type: none">• FCC,CE

ORDERING INFORMATION

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