



TFC-1000 SERIES Fiber Media Converter

TFC-1000

TRENDnet's TFC-1000 series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Fiber Gigabit) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The fiber Gigabit connection supports shortwave (SX) or longwave (LX) laser optic with multi-mode or single-mode SC type connector. This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a distance up to 70 km. With the optional 16-slot EIA-19" rack-mount chassis, the TFC series converters are the perfect solutions for various fiber media

FEATURES

- Compliant with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX / 1000Base-LX Gigabit Ethernet Standards
- One 1000Base-T port with RJ-45 connector, supports full-duplex copper Gigabit connection
- One 1000Base-SX or 1000Base-LX port that supports multi-mode or single-mode SC connector
- LED Indicators: Power, Link/Activity
- Extended single-mode fiber optic cable supports cable distance up to 20 km (12.4 miles)
- Wall-Mountable
- Optional 19" system chassis with redundant power supply, holds up to 16 TFC series Media Converters
- 5 Year Warranty

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SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none">IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX, IEEE 802.3z 1000Base-LX
Supported Frame Size	<ul style="list-style-type: none">No limitation (Standard Ethernet and Jumbo Frame)
Network Media	<ul style="list-style-type: none">1000Base-T: CAT 5, EIA/TIA-568 100-ohm Screen Twisted Pair (STP), up to 100 meters1000Base-SX: 62.5/125um multi-mode fiber optic cable, up to 220 meters. 50/125um multi-mode fiber optic cable, up to 550 meters1000Base-LX: 62.5/125um multi-mode fiber optic cable, up to 550 meters. 10/125um single-mode fiber optic cable, up to 20 km
Protocol	<ul style="list-style-type: none">CSMA/CD
Ports	<ul style="list-style-type: none">1 x 1000Base-T, 1 x 1000Base-SX or 1000Base-LX
Data Transfer Rate	<ul style="list-style-type: none">2000Mbps (Full-Duplex)
Diagnostic LEDs	<ul style="list-style-type: none">Power, LINK/ACT
Power Adapter	<ul style="list-style-type: none">7.5VDC/1.5A
Power Consumption	<ul style="list-style-type: none">7.2 Watts (max.)
Power Adapter	<ul style="list-style-type: none">7.5V DC, 1.5A External Power Adapter
Dimensions	<ul style="list-style-type: none">120 x 88 x 25 mm (W x D x H)
Weight	<ul style="list-style-type: none">Approx. 354 g. (12.5 Oz.)
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">Operating: 10% ~ 90%Storage: 5% ~ 90% (non-condensing)
Certifications	<ul style="list-style-type: none">FCC, CE, VCCI

RELATED PRODUCTS

TFC-1600	16-Slot Chassis System for TFC series Fiber Converter
TFC-1000MSC	1000Base-T to 1000Base-SX Multi-Mode Fiber Converter with SC-Type Connector
TFC-1000S20	1000Base-T to 1000Base-LX Single-Mode Fiber Converter (20Km) with SC-Type Connector
TFC-1000S50	1000Base-T to 1000Base-LX Single-Mode Fiber Converter (50Km) with SC-Type Connector
TFC-1000S70	1000Base-T to 1000Base-LX Single-Mode Fiber Converter (70Km) with SC-Type Connector

ORDERING INFORMATION

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