



## TFC-1000S50

### 1000Base-T to 1000Base-LX Single-Mode Fiber Converter (50Km) with SC-Type Connector

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 50 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 1000Base-T and 1000Base-LX
- One 10/100Base-T RJ-45 port
- One 1000Base-LX Port w/ SC-Type Connector
- Status LED indicators for Power, Link/Activity, Full-Duplex, and Speed
- Wall-Mountable
- Optional 19" system chassis with redundant power supply (TFC-1600), holds up to 16 TFC series Media Converters
- 5-year Warranty

## SPECIFICATIONS

### Standards:

- IEEE 1000Base-TX and 1000Base-LX

### Supported Frame Size:

- No limitation (Standard Ethernet and Jumbo Frame)

### Network Media:

- 1000Base-TX: Cat. 5, EIA/TIA-568 100-ohm UTP/STP, up to 100 meters.
- 1000Base-SX: Multi-Mode fiber optic cable 50/125  $\mu$ m up to 550 meters. 62.5/125  $\mu$ m up to 220 meters
- 1000Base-LX: Single-Mode fiber optic cable 9/125 or 10/125  $\mu$ m, up to 50 Km

### Wavelength:

- 1550nm

### Protocol:

- CSMA/CD

### Ports:

- 1 x 1000Base-T
- 1 x 1000Base-LX

### Data Transfer Rate:

- 1000Mbps

### Diagnostic LEDs:

- Power, Link/Activity, Full-Duplex, and Speed

### Power Adapter:

- 7.5VDC, 1.5A (7.2 watts max.)

### Temperature:

- Operating: 0° ~ 40° C (32° ~ 104° F)
- Storage: -25° ~ 70° C (-13° ~ 158° F)

### Humidity:

- Operating: 10% ~ 90%
- Storage: 5% ~ 90% (non-condensing)

## RELATED PRODUCT

- **TFC-1600:**  
16-slot EIA-19" (2 Unit-Height) Chassis for TFC series Media Converters
- **TFC-1000MSC:**  
1000Base-T to 1000Base-SX Multi-Mode Fiber with SC Connector
- **TFC-1000S20:**  
1000Base-T to 1000Base-LX Single-Mode 20 km Fiber with SC Connector
- **TFC-1000S50:**  
1000Base-T to 1000Base-LX Single Mode 50 km Fiber Converter
- **TFC-1000S70:**  
1000Base-T to 1000Base-LX Single Mode 70 km Fiber Converter (Special order only)

## ORDERING INFORMATION

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