



## 1000Base-T to 1000Base-LX Single-Mode Fiber Converter (20Km) with SC-Type Connector

### TFC-1000S20

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 20 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 1000Base-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
- 3-year limited warranty

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### SPECIFICATIONS

Hardware	
Standards	<ul style="list-style-type: none"><li>• IEEE 1000Base-T and 1000Base-LX</li></ul>
Supported Frame Size	<ul style="list-style-type: none"><li>• No limitation (Standard Ethernet and Jumbo Frame)</li></ul>
Network Media	<ul style="list-style-type: none"><li>• 1000Base-T: Cat. 5, EIA/TIA-568 100-ohm UTP/STP, up to 100 meters.</li><li>• 1000Base-LX: Single-Mode fiber optic cable 9/125 or 10/125 <math>\mu\text{m}</math>, up to 20 Km</li></ul>
Wavelength	<ul style="list-style-type: none"><li>• 1300nm</li></ul>
Protocol	<ul style="list-style-type: none"><li>• CSMA/CD</li></ul>
Ports	<ul style="list-style-type: none"><li>• 1 x 1000Base-T and 1 x 1000Base-LX</li></ul>
Data Transfer Rate	<ul style="list-style-type: none"><li>• 1000Mbps</li></ul>
Diagnostic LEDs	<ul style="list-style-type: none"><li>• Power, Link/Activity, Full-Duplex, and Speed</li></ul>
Power Adapter	<ul style="list-style-type: none"><li>• 7.5VDC, 1.5A (7.2 watts max.)</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0° ~ 40° C (32° ~ 104° F)</li><li>• Storage: -25° ~ 70° C (-13° ~ 158° F)</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 10% ~ 90%,</li><li>• Storage: 5% ~ 90% (non-condensing)</li></ul>

### RELATED PRODUCTS

<b>TFC-1600</b>	16-Slot Chassis System for TFC series Fiber Converter
<b>TFC-1000MSC</b>	1000Base-T to 1000Base-SX Multi-Mode Fiber Converter with SC-Type Connector
<b>TFC-1000S50</b>	1000Base-T to 1000Base-LX Single-Mode Fiber Converter (50Km) with SC-Type Connector

### ORDERING INFORMATION

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