



## 10/100Base-TX to 100Base-FX Multi-Mode Fiber Converter with SC-Type Connector TFC-110MSC (b1)

TRENDnet's TFC-110 series Fiber Media Converter transforms 10/100Base-TX UTP/STP media to 100Base-FX media and vice versa. The 10/100Base-TX port auto-sense 10 or 100Mbps connection speed, auto-negotiates half-/full-duplex mode, and auto-selects MDI-X / MDI-II media type. The fiber connection can be multi-mode SC, MT-RJ, or single-mode SC Connector and it has a slide-switch for selecting half- or full-duplex mode. This converter will give your Switch/Hub the ability to interface with fiber connection over a distance up to 2 km. 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 802.3 10Base-T and IEEE 802.3u 100Base-TX / 100Base-FX standards

- One 10/100Base-TX auto-negotiation RJ-45 port
- Auto-negotiation 10/100Mbps connection speed and Half/Full-duplex mode on TX port
- Auto MDIX for 10/100Base-TX port
- One 100Mbps fiber port with Multi-mode SC-Type Connector
- Half / Full-Duplex mode selector on Fiber port
- 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>IEEE802.3 10Base-T, IEEE 802.3u 100Base-TX and 100Base-FX</li></ul>
Supported Frame Size	<ul style="list-style-type: none"><li>Standard Ethernet up to 1522-Byte</li></ul>
Network Media	<ul style="list-style-type: none"><li>100Base-TX: Cat. 5, EIA/TIA-568 100-ohm UTP/STP, up to 100 meters</li><li>100Base-FX: Multi-Mode fiber optic cable 50/125 or 62.5/125 <math>\mu\text{m}</math>, up to 2 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 10/100Base-TX</li><li>1 x 100Base-FX</li></ul>
Data Transfer Rate	<ul style="list-style-type: none"><li>100Mbps (Half-Duplex), 200Mbps (Full-Duplex)</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

TFC-1600	16-Slot Chassis System for TFC series Fiber Converter
TFC-110MSC	10/100Base-TX to 100Base-FX Multi-Mode Fiber Converter with SC-Type Connector
TFC-110MM	10/100Base-TX to 100Base-FX Multi-Mode Fiber Converter with MT-RJ Connector
TFC-110MST	10/100Base-TX to 100Base-FX Multi-Mode Fiber Converter with ST-Type Connector
TFC-110S15	10/100Base-TX to 100Base-FX Single-Mode Fiber Converter (15Km) with SC-Type Connector
TFC-110S30	10/100Base-TX to 100Base-FX Single-Mode Fiber Converter (30Km) with SC-Type Connector
TFC-110S30	10/100Base-TX to 100Base-FX Single-Mode Fiber Converter (60Km) with SC-Type Connector
TFC-110S100	10/100Base-TX to 100Base-FX Single-Mode Fiber Converter (100Km) with SC-Type Connector

## ORDERING INFORMATION

### TRENDNET®

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