



## TFC-110S100

### 10/100Base-TX to 100Base-FX Single-Mode Fiber Converter (100Km) with SC-Type Connector

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 100 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 Single-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
- 5-year Warranty

#### SPECIFICATIONS

##### Standards:

- IEEE802.3 10Base-T, IEEE 802.3u 100Base-TX and 100Base-FX

##### Supported Frame Size:

- Standard Ethernet up to 1522-Byte

##### Network Media:

- 100Base-TX: Cat. 5, EIA/TIA-568 100-ohm UTP/STP, up to 100 meters.
- 100Base-FX: Single-Mode fiber optic cable 9/125 or 10/125  $\mu$ m, up to 100 Km.

##### Wavelength:

- 1300nm

##### Protocol:

- CSMA/CD

##### Ports:

- 1 x 10/100Base-TX
- 1 x 100Base-FX

##### Data Transfer Rate:

- 100Mbps (Half-Duplex), 200Mbps (Full-Duplex)

##### 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)

#### PRODUCT INFORMATION

- **TFC-1600:** 16-slot EIA-19" (2 Unit-Height) Chassis for TFC series Media Converters
- **TFC-110MSC:** 10/100Base-TX to 100Base-FX Multi-Mode Fiber with SC Connector
- **TFC-110MM:** 10/100Base-TX to 100Base-FX Multi-Mode Fiber with MT-RJ Connector
- **TFC-110MST:** 10/100Base-TX to 100Base-FX Single-Mode 15 km Fiber with SC Connector
- **TFC-110S15:** 10/100Base-TX to 100Base-FX Single-Mode 15 km Fiber with SC Connector
- **TFC-110S30:** 10/100Base-TX to 100Base-FX Single-Mode 30 km Fiber with SC Connector
- **TFC-110S60:** 10/100Base-TX to 100Base-FX Single-Mode 60 km Fiber with SC Connector
- **TFC-110S100:** 10/100Base-TX to 100Base-FX Single-Mode 100 km Fiber with SC Connector

#### ORDERING INFORMATION

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