



## 100Base-TX to 100Base-FX Single Mode SC Fiber Converter (15KM, 9.3Miles)

TFC-110S15 (D3.4R)

- SC type single-mode fiber port connects over distances of up to 15km (9.3 miles)
- 10/100Base-TX port supports Auto-Negotiation, Auto-MDIX and Full-Duplex mode
- Functions as a stand alone converter or with the TFC-1600 fiber chassis

The TFC-110S15 Fiber Converter works with the TFC-1600 chassis system or as a standalone unit. This converter is a Single Mode SC-Type fiber converter spanning distances up to 15km (9.3 miles). Ports include 1 x 10/100Base-TX (RJ-45) port and 1 x 100Base-FX fiber port (SC-Type).

- Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX / 100Base-FX standards
- 1 x 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
- 1 x 100Mbps fiber port with single-mode SC-type connector
- Status LED indicators for Power, Link/Activity, Full-Duplex, and Speed
- Dip-switch for full and half duplex selection on fiber port
- Wall mountable
- Optional 19" system chassis with redundant power supply (TFC-1600), holds up to 16 TFC series Media Converters
- 3-year limited warranty

## Specifications

### Hardware

#### Standard

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

#### Supported Frame Size

- Standard Ethernet up to 1518bytes

#### Network Media

- 100Base-TX: Cat. 5 EIA/TIA-568 100-ohm UPT/STP, up to 100m
- 100Base-FX: Single-mode fiber optic cable 9/125  $\mu$ m or 10/125  $\mu$ m, up to 15km

#### Protocol

- CSMA/CD

#### Ports

- 1 x 10/100Base-TX
- 1 x 100Base-FX (SC-type)

#### Dip Switch

- TX: duplex mode, auto negotiation or manual, speed, LLCF (enable/disable)
- FX: duplex mode, LLR (enable/disable), LLCF

#### Transfer Rate

- 100Mbps (half-duplex)
- 200Mbps (full-duplex)

#### Diagnostic LEDs

- Per Unit: power
- Per Port: link/activity, full-duplex/collision, speed (on fiber port)

#### Power Adapter

- 7.5V DC, 1A external power adapter

#### Power Consumption

- 1.8 Watts (max)

### Dimensions

- 120 x 88 x 25mm (4.7 x 3.46 x 0.98 in.)

### Weight

- 354g (12.5oz)

### Temperature

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

### Humidity

- Max. 90% (non-condensing)

### Certification

- FCC, CE

### Media

- SMF

### Wavelength

- 1310nm

### Pout (dBm)

- -20 ~ 0

### Sensitivity

- -32 ~ 0

### Power

- 12

### Distance

- 15km

### Package Contents

- TFC-110S15
- Multi-Language Quick Installation Guide
- Power Adapter (5V, 1A)