



## Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter

TFC-1000MSC (C1.2R)

- SC-type multi-mode fiber port connects over distances of up to 550 m (1800 ft.)
- 1000Base-T Gigabit copper port supports Full-Duplex mode
- Supports port level SNMP management
- Functions as a stand alone converter or with the TFC-1600 fiber chassis

The TFC-1000MSC Intelligent Fiber Converter works with the TFC-1600 chassis system or as a standalone unit. This converter is a Multi Mode SC-Type fiber converter that supports SNMP and spans distances up to 550 m (1,800 ft.). Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-SX (SC-Type) port.

- Compliant with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX standards
- 1 x 1000Base-T RJ-45 port
- 1 x 1000Base-SX multi-mode SC type fiber port
- Provides Dip switch to set: Fiber (Forced/Auto-Negotiation), LLR (Enable/Disable)
- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Support LLR (link Loss Return) for Fiber port
- Monitor and configure Ethernet or Fiber's duplex mode, LLR, and receive link down information via management module TFC-1600MM and chassis TFC-1600
- Status LED indicators for Power and Link/Activity
- 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

- IEEE802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX

#### Supported Frame Size

- Standard Ethernet up to 10 Kbytes

#### Network Media

- 1000Base-TX: Cat. 6 EIA/TIA-568 100-ohm UPT/STP, up to 100 m
- 1000Base-SX: Multi-mode fiber optic cable 50/125  $\mu$ m, up to 550 m

#### Protocol

- CSMA/CD

#### Ports

- 1 x 1000Base-T
- 1 x 1000Base-SX (SC-type)

#### Dip Switch

- Fiber (forced/auto-negotiation), LLR (enable/disable)

#### Transfer Rate

- 2000 Mbps (full-duplex)

#### Diagnostic LED

- Per unit: Power
- Per Port: link/activity

#### Power Adapter

- 5 V DC, 1A external power adapter

#### Power Consumption

- 2.7 Watts (max)

### Dimensions

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

### Weight

- 354 g (12.5 oz)

### Temperature

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

### Humidity

- Max. 90% (non-condensing)

### Certification

- FCC, CE

### Media

- MMF

### Wavelength

- 850 nm

### Optical Output Power (dBm)

- Min.: -9.4
- Max.: 4

### Optical Input Power (dBm)

- Min. (Sensitivity): -12.5
- Max: -13.5

### Distance

- 550 m

### Package Contents

- TFC-1000MSC
- Multi-Language Quick Installation Guide
- Power Adapter (5 V, 1A)

