



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

TFC-1000MSC (D1.0R)

- Functions as a standalone converter
- Compatible with TRENDnet's TFC-1600 fiber chassis system
- SC-type 1000Base-SX Multi-Mode fiber port
- Fiber networking over distances of up to 550 meters (1800 ft.)
- 2 Gbps switching capacity
- LEDs convey power and copper/fiber link and activity

TRENDnet's TFC-1000MSC, Intelligent Fiber Converter, is compatible with the TFC-1600 chassis system or functions as a standalone unit. This converter is a Multi-Mode SC-Type fiber converter that supports SNMP (when used TFC-1600MM) and spans distances up to 550 m (1,800 ft.). Ports include a 1000Base-T (RJ-45) port and a 1000Base-SX (SC-Type) fiber port.



Standalone Converter

Comes in a durable metal enclosure with integrated mounting points



Fiber Chassis Compatible

Works with TRENDnet's 16-Bay Fiber Converter Chassis System, model TFC-1600, and supports chassis-based SNMP management (with TFC-1600MM)



Ethernet Port

1 x 1000Base-T Ethernet port



Fiber Port

1 x 1000Base-SX Multi-Mode port, compatible with SC-Type fiber connectors



Networking Distance

Supports fiber networking over distances of up to 550 m (1,800 ft.)



Switching Capacity

2 Gbps switching capacity



DIP Switches

DIP Switch 1: Enable/disable Link Loss Carry Forward (LLCF) support
DIP Switch 2: Auto/force fiber full-duplex support



Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9 KB), for increased performance



LED Indicators

LEDs convey power and copper/fiber link and activity

Specifications

Standards

- IEEE 802.3ab (1000Base-T)
- IEEE 802.3z (1000Base-SX)
- IEEE 802.3x

Device Interface

- 1 x Gigabit port
- 1 x SC type fiber port
- LED indicators

Network Media

- 1000Base-TX: Cat.5e, 6 EIA/TIA-568 100-ohm STP, up to 100 m
- 1000Base-SX: 50/125µm multi-mode SC-Type fiber optic, up to 550 m

Protocol

- CSMA/CD

Dip Switch

- LLCF (enable & disable)
- Fiber (forced/auto-negation)

Data Transfer Rate

- Gigabit Ethernet: 2000 Mbps (full duplex)

Jumbo Frame

- 9K bytes

Wavelength

- 850 nm

Optical Output Power

- Min: -9.5 dBm
- Max: -4 dBm

Optical Input Power

- Min. (Sensitivity): -18 dBm
- Max: 0 dBm

Power Budget

- 8.5 dBm

Distance

- 550 m. (1800 ft.)

Power

- Input: 100–240 V 50/60 Hz 0.2 A
- Output: 5 V DC 1 A
- Consumption: 3.44 Watts (max.)

Special Features

- Support LLCF (Link Loss Carry Forward) and built-in LLR (Link Lose Return)
- Monitor and configure Ethernet or Fiber's duplex mode, LLCF, 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

Operating Temperature

- 0 – 40°C (32 – 104°F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

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

Weight

- 354 g (12.5 oz.)

Certifications

- CE
- FCC

Warranty

- 3 year limited

Package Contents

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