

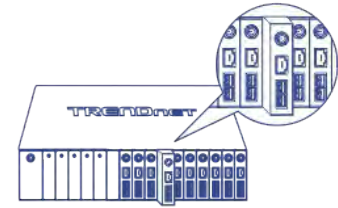
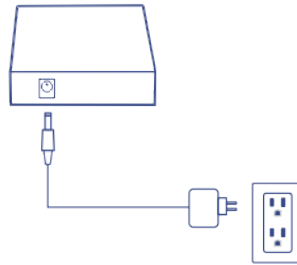
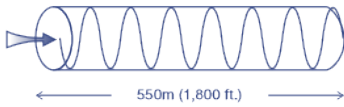


## Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter

TFC-1000MSC (v5.0R)

- SC-type 1000Base-SX Multi-Mode fiber port
- 1 x 100/1000BASE-T RJ-45 port
- Fiber networking over distances of up to 550m (1800 ft.)
- Functions as a standalone converter
- Compatible with TRENDnet's TFC-1600 fiber chassis system
- 2Gbps switching capacity
- LEDs convey power and copper/fiber link and activity
- Lifetime Warranty

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



### Multi-Mode

This multi-mode converter is an SC-Type fiber converter that supports SNMP (when used TFC-1600MM) and spans distances up to 550m (1,800 ft.). Ports include a 1000Base-T (RJ-45) port and a 1000Base-SX (SC-Type) fiber port.

### Power Adapter

The multi-mode fiber media converter includes a power adapter for standalone use.

### TFC-1600 Chassis Compatible

Functions as a standalone unit, or can be used with TRENDnet's expandable 16-Bay Fiber Converter Chassis System, model TFC-1600 (sold separately).

## NETWORKING SOLUTION



## FEATURES



### Network Ports

1 x 100/1000Mbps RJ-45 copper port  
and 1 x 1000Mbps Duplex Fiber SC  
port



### Switching Capacity

2Gbps switching capacity



### Jumbo Frame

Sends larger packets, or jumbo frames  
(up to 9KB), for increased  
performance from the multi-mode fiber  
media converter

## 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)

### Data Transfer Rate

- Gigabit Ethernet: 2000 Mbps (full duplex)

### Jumbo Frame

- Up to 9KB

### 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

- 550m. (1800 ft.)

### Power

- Input: 100 – 240V AC, 50 – 60Hz, 0.2 A
- Output: 5 V DC, 1A external power adapter
- Consumption: 2.4 W (max.)

### Special Features

- Support LLCF (Link Loss Carry Forward) and built-in LLR (Link Loss 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 (TFC-1600), houses up to 16 TFC-100/1000 series Media Converters

### Operating Temperature

- 0° – 40° C (32° – 104° F)

### Operating Humidity

- Max. 90% non-condensing

### Dimensions

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

### Weight

- 280g (9.9 oz.)

### Certifications

- CE
- FCC

### Warranty

- Lifetime

### Package Contents

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

TRENDnet offers a lifetime warranty on selected fiber networking products that have been purchased in the United States/Canada on or after 1/1/2019.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.