

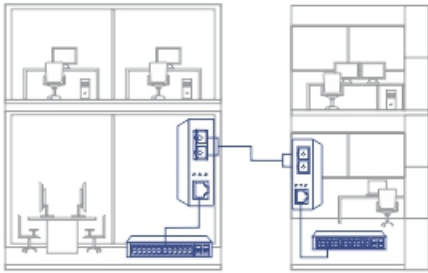


## 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter

TFC-GMSC (v2.1R)

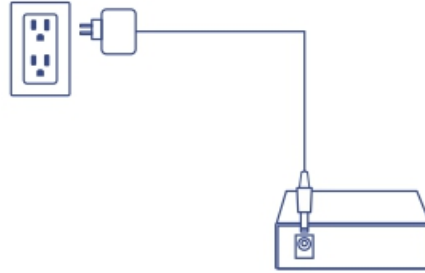
- Functions as a standalone converter
- 10/100/1000 Mbps Auto-MDIX Gigabit port
- 100/1000 Mbps SC-type multi-mode fiber port
- Fiber networking over distances of up to 550 m (1800 ft.)
- 2 Gbps switching capacity
- LEDs convey power and copper / fiber link and activity
- Not compatible with TFC-1600

TRENDnet's TFC-GMSC, Gigabit Fiber Converter, is a Multi-Mode SC-Type fiber converter that converts 10/100/1000 Mbps ethernet to 100/1000 Mbps Fiber 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.



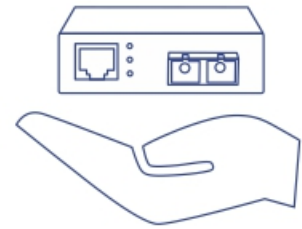
### Building-to-Building

Well suited for corporate interbuilding and intrabuilding backbones where fiber networking over longer distances is required.



### Standalone Converter

A durable metal enclosure with included power adapter supports standalone converter installations.



### Compact

Small and compact metal housing design provides greater installation flexibility.

## Networking Solution



- 1 10/100/1000 Mbps Auto-MDIX Gigabit port
- 2 LED indicators
- 3 100/1000 Mbps SC-type multi-mode fiber port
- 4 Power port



### Standalone Converter

Comes in a durable metal enclosure



### Ethernet Port

1 x 1000Base-T Ethernet port



### Fiber Port

1 x 1000Base-SX multi-mode port, compatible with SC-Type fiber connector



### Networking Distance

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



### Switching Capacity

2 Gbps switching capacity



### 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 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z
- IEEE 802.3x

### Device Interface

- 1 x 10/100/1000 Mbps Auto-MDIX Gigabit port
- 1 x 100/1000 Mbps SC-type multi-mode fiber port
- LED indicators

### Network Media

- 1000Base-TX: Cat.5e, 6 EIA / TIA-568 100-ohm STP, up to 100 m
- 1000Based-SX: 50/125  $\mu$ m multi-mode SC-Type fiber optic, up to 550 m
- 1000Based-SX: 62.5/125  $\mu$ m multi-mode SC-Type fiber optic, up to 220 m
- 100Base-SX: 50/125  $\mu$ m or 62.5/125  $\mu$ m multi-mode SC-Type fiber optic, up to 2 km

### Protocol

- CSMA / CD

### Data Transfer Rate

- Gigabit Ethernet: 2000 Mbps (full duplex)
- Optical fiber: 1.25 Gbps

### Jumbo Frame

- 9 K bytes

### Wavelength

- 850 nm

### Optical Output Power

- Min: -9 dBm
- Max: -3 dBm

### Optical Input Power

- Min. (Sensitivity): -3 dBm
- Max: 0 dBm

### Power Budget

- -11 dB

### Distance

- Gigabit: up to 550 m (1800 ft.)
- Fast Ethernet: up to 2 km (1.24 mi)

### Power

- Input: 100–240 V 50/60 Hz 0.2 A
- Output: 5 V DC 1 A
- Consumption: 2.6 W max.

### Operating Temperature

- 0 – 40 °C (32 – 104 °F)

### Operating Humidity

- Max. 90% non-condensing

### Dimensions

- 102 x 75 x 22.6 mm. (4 x 2.95 x 0.9 in.)

### Weight

- 191 g (6.7 oz.)

### Certifications

- CE
- FCC

### Warranty

- 3 year limited

### Package Contents

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