



## **1000Base-TX to 1000Base-SX SC-Type Multi-Mode Fiber Converter TFC-2000MSC (v1.0R)**

This Fiber Converter transforms 1000Base-T UTP/STP media to 1000Base-SX multi-mode. The 1000Base-T port supports auto-MDIX. Designed to connect up to 550M, the converters are the perfect Gigabit, multi-mode solution.

### **FEATURES**

- Compliant with IEEE 802.3ab 1000Base-T, 802.3z 1000Base-SX
- One 1000Base-T Auto-MDIX RJ-45 port
- One 1000Base-SX multi-mode SC-type Fiber port
- Supports LLCF (Link Loss Carry Forward)
- Provides Dip switches to enable LLCF function in both TX and Fiber port
- Diagnostic LEDs
- Plug & Play, Hot Swappable
- Optional 19" Fiber Converter Chassis (TFC-1000) holds up to 10 Media Converters
- 5-Year Warranty

# 1000Base-TX to 1000Base-SX SC-Type Multi-Mode Fiber Converter

## TFC-2000MSC (v1.0R)

### SPECIFICATIONS

Hardware	
Standard	<ul style="list-style-type: none"> <li>IEEE 802.3ab1000Base-T</li> <li>IEEE 802.3z 1000Base-SX</li> </ul>
Network Media	<ul style="list-style-type: none"> <li>1000Base-T: Cat. 5e, 6</li> <li>1000Base-SX: 50/125µm or 62.5/125µm Multi-Mode Duplex SC-Type Fiber Cable</li> </ul>
Protocol	<ul style="list-style-type: none"> <li>CSMA/CD</li> </ul>
Frame Packet Size	<ul style="list-style-type: none"> <li>64 to 1536 Bytes</li> </ul>
Ports	<ul style="list-style-type: none"> <li>1 x 1000Base-T RJ-45 Port</li> <li>1 x 1000Base-SX Multi-Mode SC-Type Fiber Port</li> </ul>
Dip Switch	<ul style="list-style-type: none"> <li>Dip Switch 1: ON: TX Port LLCF Enable      OFF: TX Port LLCF Disable</li> <li>Dip Switch 2: ON: Fiber Port LLCF Enable      OFF: Fiber Port LLCF Disable</li> </ul> <p>* After changing the DIP Switch settings, power cycle the Fiber converter.</p>
Transfer Rate	<ul style="list-style-type: none"> <li>1000Mbps (Half/Full Duplex)</li> </ul>
Diagnostic LED	<ul style="list-style-type: none"> <li>Per Device: Power</li> <li>Per port (TX): 1000Mbps, Link/Activity, Full Duplex/Collision; (FX): Link/Activity, Full Duplex/Collision</li> </ul>
Power Adapter	<ul style="list-style-type: none"> <li>9V DC, 700mA External Power Adapter</li> </ul>
Transfer Rate	<ul style="list-style-type: none"> <li>3.6 Watts (max)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>85 x 125 x 25mm (3.35 x 4.92 x 0.98in.)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>300g (10.6oz.)</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating : 0°C ~ 45°C (32°F ~ 113°F)</li> <li>Storage : -40°C ~ 70°C (-40°F ~ 158°F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>5% ~ 90% RH</li> </ul>
Certification	<ul style="list-style-type: none"> <li>CE, FCC</li> </ul>

	Media	Wavelength	Power Output (dBm)	Sensitivity	Power Budget (dBm)	Distance
50/125µm	MMF	850nm	-9.5	-18	8.5	550m
62.5/125µm		(830nm~860nm)	-9.5	-18	8.5	220m

### PACKAGE CONTENTS

- TFC-2000MSC
- Multi-Language Quick Installation Guide
- Power Adapter

### RELATED PRODUCTS

TFC-1000	10-Bay Fiber Chassis
TFC-2000S20/S50	1000Base-T to 1000Base-LX SC-Type Single-Mode Fiber Converter

### ORDERING INFORMATION

#### TRENDnet®

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