Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter
TFC-1000MSC (C1.0R)

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 550m (1,800 ft.). Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-SX (SC-Type) port.

PRODUCT OVERVIEW
- SC-type multi-mode fiber port connects over distances of up to 550m (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

FEATURES
- 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 FX 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
Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter
TFC-1000MSC (C1.0R)

SPECIFICATIONS

HARDWARE

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

Supported Frame Size
• Standard Ethernet up to 10Kbytes

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

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
• 2000Mbps (full-duplex)

Diagnostic LED
• Per Unit : power
• Per Port : link/activity

Power Adapter
• 7.5V DC, 1A external power adapter

Power Consumption
• 2.7 Watts (max)

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

Weight
• 354g (12.5oz)

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

Humidity
• Max 90% (non-condensing)

Certification
• CE, FCC

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Media</th>
<th>Wavelength</th>
<th>Optical Output Power (dBm)</th>
<th>Optical Input Power (dBm)</th>
<th>Power Budget</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>TFC-1000MSC</td>
<td>MMF</td>
<td>850nm</td>
<td>-9.4</td>
<td>-12.5</td>
<td>7.5</td>
<td>550m</td>
</tr>
</tbody>
</table>
Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter
TFC-1000MSC (C1.0R)

PACKAGE CONTENTS
- TFC-1000MSC
- Multi-Language Quick Installation Guide
- Power Adapter (7.5V, 1A)

RELATED PRODUCTS
- TFC-1000S20  Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (20 km / 12.4 miles)
- TFC-1000S50  Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (50 km / 31 miles)
- TFC-1600  16-Bay Fiber Converter Chassis System

CONTACT INFORMATION
TRENDnet
20675 Manhattan Place, Torrance, CA 90501 USA
Tel: 1-310-961-5500
Fax: 1-310-961-5511
Web: www.trendnet.com
Email: sales@trendnet.com
1-888-326-6061

TRENDnet is a registered trademark. Other Brands and product names are trademarks of their respective holders. Information provided in this document pertain to TRENDnet products and is subject to change at any time, without notice. For the most recent product information please visit http://www.trendnet.com Copyright ©TRENDnet All Rights Reserved.