Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter
(70 km / 43.5 miles)
TFC-1000S70 (C1.0R)

The TFC-1000S70 Intelligent Fiber Converter works with the TFC-1600 chassis system or as a standalone unit. This converter is a Single Mode SC-Type fiber converter that supports SNMP and spans distances up to 70 km (43.5 miles). Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-LX (SC-Type) port.

PRODUCT OVERVIEW

• SC-type single-mode fiber port connects over distances of up to 70 km (43.5 miles)
• 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-LX standards
• 1 x 1000Base-T RJ-45 port
• 1 x 1000Base-LX single-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 Fiber port
• Monitor and configure Ethernet or Fiber’s duplex mode, LLR, port on / off 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
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SPECIFICATIONS

HARDWARE

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

Supported Frame Size
- Standard Ethernet up to 10 Kbytes

Network Media
- 1000Base-T: Cat. 6 EIA / TIA-568 100-ohm UPT / STP, up to 100 m
- 1000Base-LX: Single-mode fiber optic cable 9 / 125 μm or 10 / 125 μm, up to 70 km

Protocol
- CSMA / CD

Ports
- 1 x 1000Base-T
- 1 x 1000Base-LX (simplex SC-type)

Dip Switch
- Fiber (forced / auto-negotiation), LLR (enable / disable)

Transfer Rate
- 2000 Mbps (full-duplex)

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

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

Power Consumption
- 2.7 watts (max)

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

Weight
- 354 g (12.5 oz)

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

Humidity
- Max 90% (non-condensing)

Certification
- CE, FCC

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<th>Model Name</th>
<th>Media</th>
<th>Wavelength</th>
<th>Pout (dBm)</th>
<th>Sensitivity</th>
<th>Power</th>
<th>Distance</th>
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<td>TFC-1000S70</td>
<td>SMF</td>
<td>1550 nm</td>
<td>0 ~ 5</td>
<td>-24 ~ -3</td>
<td>24</td>
<td>70 m</td>
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PACKAGE CONTENTS

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<td>Multi-Language Quick Installation Guide</td>
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RELATED PRODUCTS

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<td>TFC-1000S50</td>
<td>Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (50 km / 31 miles)</td>
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<tr>
<td>TFC-1600</td>
<td>16-Bay Fiber Converter Chassis System</td>
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CONTACT INFORMATION

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