



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

Model Name	Media	Wavelength	Pout (dBm)	Sensitivity	Power	Distance
TFC-1000S70	SMF	1550 nm	0 ~ 5	-24 ~ -3	24	70 m

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PACKAGE CONTENTS

TFC-1000S70

Multi-Language Quick Installation Guide

Power Adapter (7.5 V, 1 A)

RELATED PRODUCTS

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



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