



Intelligent 1000Base-T to 1000Base-LX Dual Wavelength Single Mode SC Fiber (40 km / 24.85 miles)

TFC-1000S40D5 (C1.1R)

The TFC-1000S40D5 Bi-Directional Intelligent Fiber Converter works with the TFC-1600 chassis system or as a standalone unit. This converter is a Dual Wavelength Single Mode SC-Type fiber converter that supports port-based SNMP reporting and spans distances up to 40 km (24.85 miles). This module must be used with the TFC-1000S40D3 module. Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-LX (SC Simplex Type) port.

PRODUCT OVERVIEW

- Must use with TFC-1000S40D3
- SC-type dual-wavelength single-mode fiber port connects over distances of up to 40 km (24.85 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 bi-directional simplex-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, 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	<ul style="list-style-type: none"> • IEEE802.3ab 1000Base-T, IEEE 802.3z 1000Base-LX
Supported Frame Size	<ul style="list-style-type: none"> • Standard Ethernet up to 10 Kbytes
Network Media	<ul style="list-style-type: none"> • 1000Base-T: Cat. 6 EIA / TIA-568 100-ohm UPT / STP, up to 100 m • 1000Base-LX: Single-mode fiber optic cable 10/125 μm, up to 40 km
Protocol	<ul style="list-style-type: none"> • CSMA / CD
Ports	<ul style="list-style-type: none"> • 1 x 1000Base-T • 1 x 1000Base-LX (simplex SC-type)
Dip Switch	<ul style="list-style-type: none"> • Fiber (forced / auto-negotiation), LLR (enable / disable)
Transfer Rate	<ul style="list-style-type: none"> • 2000 Mbps (full-duplex)
Diagnostic LEDs	<ul style="list-style-type: none"> • Per Unit: power • Per Port: link/activity
Power Adapter	<ul style="list-style-type: none"> • 7.5V DC, 1A external power adapter
Power Consumption	<ul style="list-style-type: none"> • 2.7 watts (max)
Dimensions	<ul style="list-style-type: none"> • 120 x 88 x 25 mm (4.7 x 3.46 x 0.98 in.)
Weight	<ul style="list-style-type: none"> • 354 g (12.5 oz)
Temperature	<ul style="list-style-type: none"> • Operating: 0° ~ 40°C (32° ~ 104°F) • Storage: -25° ~ 70°C (-13° ~ 158°F)
Humidity	<ul style="list-style-type: none"> • Max 90% (non-condensing)
Certifications	<ul style="list-style-type: none"> • CE, FCC

MODEL NAME	MEDIA	WAVELENGTH	OPTICAL OUTPUT POWER (DBM)		OPTICAL INPUT POWER (DBM)		POWER BUDGET	DISTANCE
			MIN.	MAX.	MIN. (SENSITIVITY)	MAX.		
TFC-1000S40D5	SMF	TX: 1550 nm RX: 1310 nm	-7	-2	-23	-2	16	40 m

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PACKAGE CONTENTS

TFC-1000S40D5

Multi-Language Quick Installation Guide

Power Adapter (7.5V, 1A)

RELATED PRODUCTS

TFC-1000S40D5	Intelligent 1000Base-T to 1000Base-LX Dual Wavelength Single Mode SC Fiber (40 km / 24.85 miles)
TFC-1000S50	Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (50 km / 31 miles)
TFC-1600	16-Slot Chassis System for TFC series Fiber Converter

CONTACT INFORMATION

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