



1000Base-T to 1000Base-LX SC-Type Single-Mode Fiber Converter TFC-2000S20 (v1.0R)

This Fiber Converter with SC-Type connector transforms 1000Base-T UTP/STP media to 1000Base-LX single-mode. The 1000Base-T port supports auto-MDIX. Designed to connect up to 20KM, the converters are the perfect Gigabit, single-mode solution.

FEATURES

- Compliant with IEEE 802.3ab 1000Base-T, 802.3z 1000Base-LX
- One 1000Base-T Auto-MDIX RJ-45 port
- One 1000Base-LX single-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 Fiber Converters
- 5-Year Warranty

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3ab1000Base-T • IEEE 802.3z 1000Base-LX
Network Media	• 1000Base-T: Cat. 5e, 6 • 1000Base-LX: 9/125µm Single-Mode Duplex SC-Type Fiber Cable
Minimum Cable Length	• 50 Meters
Protocol	• CSMA/CD
Frame Packet Size	• 64 to 1536 Bytes
Ports	• 1 x 1000Base-T RJ-45 Port • 1 x 1000Base-LX: Single-Mode SC-Type Fiber Port
Dip Switch	• Dip Switch 1: ON: TX Port LLCF Enable OFF: TX Port LLCF Disable • Dip Switch 2: ON: Fiber Port LLCF Enable OFF: Fiber Port LLCF Disable * After changing the DIP Switch settings, power cycle the Fiber converter.
Transfer Rate	• 1000Mbps (Half/Full Duplex)
Diagnostic LED	• Per Device: Power • Per port (TX): 1000Mbps, Link/Activity, Full Duplex/Collision; (FX): Link/Activity, Full Duplex/Collision
Power Adapter	• 9V DC, 700mA External Power Adapter
Transfer Rate	• 3.6 Watts (max)
Dimensions	• 85 x 125 x 25mm (3.35 x 4.92 x 0.98in.)
Weight	• 300g (10.6oz.)
Temperature	• Operating : 0°C ~ 45°C (32°F ~ 113°F) • Storage : -40°C ~ 70°C (-40°F ~ 158°F)
Humidity	• 5% ~ 90% RH
Certification	• CE, FCC

	Media	Wavelength	Power Output (dBm)	Sensitivity	Power Budget (dBm)	Distance
TFC-2000S20	SMF (9/125 µm)	1310nm (1270 nm~1355nm)	-8	-23	15	20km

PACKAGE CONTENTS

- TFC-2000S20
- Multi-Language Quick Installation Guide
- Power Adapter

RELATED PRODUCTS

TFC-1000	10-Bay Fiber Chassis
TFC-2000S50	1000Base-T to 1000Base-LX SC-Type Single-Mode Fiber Converter
TFC-2000MSC	1000Base-TX to 1000Base-SX SC-Type Multi-Mode Fiber Converter

ORDERING INFORMATION

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