



## Intelligent 1000Base-T to 1000Base-FX Dual Wavelength Single Mode SC Fiber Converter TX1310

### TFC-1000S40D3

The TFC-1000S40D3 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 40km (24.9 miles). This module must be used with the TFC-1000S40D5 module. Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-FX (SC Simplex Type) port.

## FEATURES

- Compliant with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX Standards
- Provides Dip Switch for Fiber (Auto/Manual), LLR (Enable/Disable)
- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Supports LLR (Link Loss Return) for FX Port
- Supports Full-Duplex and Auto-Negotiation Mode for Fiber Port
- Single-Strand Fiber Optic, Hot Pluggable & 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	
Standards	• IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-LX
Network Media	• 100Base-T: Cat. 5, EIA/TIA-568 100-ohm UTP/STP, up to 100 meters. • 1000Base-LX: 10/125µm Single-Fiber Optic Cable, up to 40km
Wavelength	• TX: 1310nm; RX: 1550nm
Pout	• -9 dBm
Sensitivity	• -21 dB
Power	• 12 dBm
Protocol	• CSMA/CD
Ports	• 1 x 1000Base-T RJ-45 Port • 1 x 1000Base-LX Single-Fiber Bi-Directional Port SC Connector
Dip Switch	• TX: Duplex Mode, Auto Negotiation or Manual, Speed, LLCF (enable/disable) • FX: Duplex Mode, LLR (enable/disable), LLCF
Transfer Rate	• 1000Base-T : 2000Mbps (Full Duplex)
Diagnostic LED	• Per Unit : Power • Per Port : Link/Activity
Power Adapter	• 7.5V DC, 1.5A External Power Adapter
Power Consumption	• 5.5 watts (max)
Dimensions	• 120 x 88 x 25mm (4.7 x 3.46 x 0.98 inches)
Weight	• 354g (12.5oz)
Temperature	• Operating: 0° ~ 40° C (32° ~ 104° F) ; Storage: -25° ~ 70° C (-13° ~ 158° F)
Humidity	• 5% ~ 90% RH
Safety Emissions	• FCC, CE

## RELATED PRODUCTS

<b>TFC-1000S10D3</b>	Intelligent 1000Base-T to 1000Base-FX Dual Wavelength Single Mode SC Fiber Converter TX1310
<b>TFC-1000S10D5</b>	Intelligent 1000Base-T to 1000Base-FX Dual Wavelength Single Mode SC Fiber Converter TX1550
<b>TFC-1000S40D5</b>	Intelligent 1000Base-T to 1000Base-FX Dual Wavelength Single Mode SC Fiber Converter TX1550

## ORDERING INFORMATION

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