



## **1000Mbps T to 1000Base-FX Single-Mode Fiber Converter**

### **TFC-1000S10D3/D5**

TFC-1000S10D3 or TFC-1000S10D5 Bi-Directional Single-Fiber Media Converter transforms 1000Base-TX UTP/STP media to 1000Base-FX media and vice versa. It provides DIP switch for duplex mode, auto negotiation or speed management control. This converter will give your Switch/Hub the ability to interface with fiber connection over a distance up to 10 km.

## **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
- Hot Pluggable & Wall-Mountable
- Optional 19" System Chassis (TFC-1600) holds up to 16 Media Converters
- Lifetime Warranty

# 1000Mbps TX to 1000Base-FX Single-Mode Fiber Converter

## TFC-1000S10D3/D5

### SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3ab 1000Base-T • IEEE 802.3z 100Base-TX, 1000Base-FX
Network Media	• 1000Base-T: UTP Cat. 5, EIA/TIA-568 100-ohm STP, up to 100meters • 1000Base-LX: 10/125µm Single-Fiber Optic Cable, up to 10km
Protocol	• CSMA/CD
Ports	• 1 x 1000Base-T RJ-45 Port • 1 x 1000Base-FX 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

Model Name	Wavelength	Pout	Sensitivity	Power
TFC-1000S10D3	TX: 1310nm; RX: 1550nm	-9dBm	-21dB	12dBm
TFC-1000S10D5	TX: 1550nm; RX: 1310nm	-9dBm	-21dB	12dBm

### PACKAGE CONTENTS

- TFC-1000S10D3/D5
- Power Adapter
- User's Guide

### RELATED PRODUCTS

TFC-110S20D3/D5	10/100Mbps TX to 100Base-FX Dual-Wavelength Single-Mode Fiber Converter
TFC-110S40D3/D5	10/100Mbps TX to 100Base-FX Dual-Wavelength Single-Mode Fiber Converter

### ORDERING INFORMATION

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