



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

TFC-110S20D3 or TFC-110S20D5 Bi-Directional Single-Fiber Media Converter transforms 10/100Base-TX UTP/STP media to 100Base-FX media and vice versa. The 10/100Base-TX Port Auto-Negotiating 10 or 100Mbps connection speed with Auto-MDIX media type, the fiber supports single-mode SC type connection. This converter will give your Switch/Hub the ability to interface with fiber connection over a distance up to 20 km.

FEATURES

- Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX Standards
- Provides Dip Switch for Fiber(FDX/HDX), UTP (Auto Negotiation/Manual), Speed(10/100M), LLR (Enable/Disable), LLCF (Enable/Disable)
- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Supports LLR (Link Loss Return) for FX Port
- Hot Pluggable & Wall-Mountable
- Optional 19" System Chassis (TFC-1600) holds up to 16 Media Converters
- 5-Year Warranty

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SPECIFICATIONS

Hardware	
Standard	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX, 100Base-FX
Network Media	• 10Base-T: UTP Cat. 3, 4, 5, EIA/TIA-568 100-ohm STP • 100Base-TX: UTP Cat. 5, EIA/TIA-568 100-ohm STP • 100Base-FX: 9/125µm or 10/125µm Single-Fiber Optic Cable, up to 20km
Protocol	• CSMA/CD
Ports	• 1 x 10/100Base-TX RJ-45 Port • 1 x 100Base-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	• 10Base-T : 10Mbps/20Mbps (Half/Full Duplex) • 100Base-TX : 100Mbps/200Mbps (Half/Full Duplex)
Diagnostic LED	• Per Unit : Power • Per Port : Link/Activity, FDX/HDX, Link Fail, Speed (only for TX Port)
Power Adapter	• 7.5V DC, 1.5A External Power Adapter
Power Consumption	• 7.2 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-110S20D3	TX: 1310nm; RX: 1550nm	-15dBm	-32dB	17dBm
TFC-110S20D5	TX: 1550nm; RX: 1310nm	-18dBm	-32dB	14dBm

PACKAGE CONTENTS

- TFC-110S20D3/D5
- Power Adapter
- User's Guide

RELATED PRODUCTS

TFC-110S40D3/D5	10/100Mbps TX to 100Base-FX Dual-Wavelength Single-Mode Fiber Converter
TFC-1000S10D3/D5	1000Base-T to 1000Base-LX Single-Mode Fiber Converter (10Km) with SC-Type Connector

ORDERING INFORMATION

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