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

TFC-1000S40D3 (C1.1R)

- Must use with TFC-1000S40D5
- 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

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 40 km (24.85 miles). This module must be used with the TFC-1000S40D5 module. Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-LX (SC Simplex Type) port.
• 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

Specifications

Hardware

Standard
• IEEE802.3ab 1000Base-T, IEEE 802.3z 1000Base-LX
Supported Frame Size
• Standard Ethernet up to 10 Kbytes
Network Media
• 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
• CSMA / CD
Ports
• 1 x 1000Base-T
• 1 x 1000Base-LX (simplex SC-type)
Dip Switch
• Fiber (forced / auto-negotiation), LLR (enable / disable)
Transfer Rate
• 2000 Mbps (full-duplex)
Diagnostic LEDs
• Per Unit: power
• Per Port: link / activity
Power Adapter
• 7.5V DC, 1A external power adapter
Power Consumption
• 2.7 Watts (max)
Dimensions
• 120 x 88 x 25 mm (4.7 x 3.46 x 0.98 in.)

Weight
• 354 g (12.5 oz)
Temperature
• Operating: 0° ~ 40°C (32° ~ 104°F)
• Storage: -25° ~ 70°C (-13° ~ 158°F)
Humidity
• Max 90% (non-condensing)
Certifications
• CE, FCC
Media
• SMF
Wavelength
• TX: 1310 nm
• RX: 1550nm
Optical Output Power (dBm)
• Min: -7
• Max: -2
Optical Input Power (dBm)
• Min (Sensitivity): -23
• Max: -2
Power Budget
• 16
Distance
• 40 m
Package Contents
• TFC-1000S40D3
• Multi-Language Quick Installation Guide
• Power Adapter (7.5V, 1A)