Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (50km/31miles)
TFC-1000S50 (C1.0R)

- SC-type single-mode fiber port connects over distances of up to 50km (31 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-1000S50 Intelligent Fiber Converter works with the TFC-1600 chassis system or as a standalone unit. This converter is a Single Mode SC-Type fiber converter that supports SNMP and spans distances up to 50km (31miles). Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-LX (SC-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 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 Fiber 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 10Kbytes

Network Media
• 1000Base-T : Cat. 6 EIA/TIA-568 100-ohm UPT/STP, up to 100m
• 1000Base-LX : Single-mode fiber optic cable 9/125 µm or 10/125 µm, up to 50km

Protocol
• CSMA/CD

Ports
• 1 x 1000Base-T
• 1 x 1000Base-LX (SC-type)

Dip Switch
• Fiber (forced/auto-negotiation), LLR (enable/disable)

Transfer Rate
• 2000Mbps (full-duplex)

Diagnostic LED
• 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 25mm (4.7 x 3.46 x 0.98 in.)

Weight
• 354g (12.5oz)

Temperature
• Operating : 0° ~ 40° C (32° ~ 104° F)
• Storage : -25° ~ 70° C (-13° ~ 158° F)

Humidity
• Max. 90% (non-condensing)

Certification
• CE, FCC

Media
• SMF

Wavelength
• 1550nm

Pout (dBm)
• -4 ~ +1

Sensitivity
• -23 ~ -3

Power
• 19

Distance
• 50m

Package Contents
• TFC-1000S50
• Multi-Language Quick Installation Guide
• Power Adapter (7.5V, 1A)