



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

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.

Features

- 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

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TFC-1000S50

Specification

| Hardware | |
|----------------------|--|
| Standards | • IEEE 1000Base-T and 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 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 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) |
| Certifications | • CE, FCC |

Package Contents

TFC-1000S50

Multi-Language Quick Installation Guide

Power Adapter (7.5V, 1A)

Related Products

| | |
|-------------|---|
| TFC-1000MSC | Intelligent 1000Base-T to 1000Base-SX Multi-Mode SC Fiber Converter |
| TFC-1000S20 | Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (20km/12.4miles) |
| TFC-1600 | 16-Bay Fiber Converter Chassis System |

Contact Information

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