Intelligent 1000Base-T to 1000Base-LX
Dual Wavelength Single Mode SC Fiber
(60 km / 37.3 miles)
TFC-1000S60D5 (C1.1R)

The TFC-1000S60D5 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 60 km (37.3 miles). This module must be used with the TFC-1000S10D3 module. Ports include 1 x 1000Base-T (RJ-45) port and 1 x 1000Base-LX (SC Simplex 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 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

PRODUCT OVERVIEW

• Must use with TFC-1000S60D3
• SC-type dual-wavelength single-mode fiber port connects over distances of up to 60 km (37.3 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
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SPECIFICATIONS

<table>
<thead>
<tr>
<th>HARDWARE</th>
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<tbody>
<tr>
<td><strong>Standard</strong></td>
<td>IEEE802.3ab 1000Base-T, IEEE 802.3z 1000Base-LX</td>
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<tr>
<td><strong>Supported Frame Size</strong></td>
<td>Standard Ethernet up to 10 Kbytes</td>
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| **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 60 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 |

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<tr>
<th>TFC-1000S60D5</th>
<th>SMF</th>
<th>TX: 1310nm RX: 1550nm</th>
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<tbody>
<tr>
<td><strong>Optical Output Power (dBm)</strong></td>
<td>Min</td>
<td>Max</td>
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<tr>
<td>---</td>
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<td>---</td>
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<tr>
<td>-7</td>
<td>-2</td>
<td>-23</td>
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<td><strong>Power Budget</strong></td>
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<td><strong>Distance</strong></td>
<td>60 m</td>
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PACKAGE CONTENTS
- TFC-1000S60D5
- Multi-Language Quick Installation Guide
- Power Adapter (7.5 V, 1A)

RELATED PRODUCTS
- TFC-1000S60D3  Intelligent 1000Base-T to 1000Base-LX Dual Wavelength Single Mode SC Fiber (60 km / 37.3 miles)
- TFC-1000S50  Intelligent 1000Base-T to 1000Base-LX Single-Mode SC Fiber Converter (50 km / 31 miles)
- TFC-1600  16-Slot Chassis System for TFC series Fiber Converter

CONTACT INFORMATION

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