Small Form-Factor Pluggable

1000Base-T SFP Module 0.1 km

jobAid

Product P/N: 1200485G1

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Documentation for ADTRAN products is available for viewing and download directly from the ADTRAN Support Community website.

Go to: https://supportforums.adtran.com/welcome

Registration is required.

ADTRAN offers training courses on our products, including customized training and courses taught at our facilities or at customer sites.

For inquiries, go to: http://adtran.com/training

The following related online documents and resources provide additional information for this product:

SFP/XFP/SFP+ Compatibility Matrix (online tool, go to: http://www.adtran.com/sfp)

Specifications

General

- Module type: SFP
- Media type: Copper
- Signal Data Rate: 1000Base-T
  - Minimum: 10 Mbps
  - Maximum: 1.25 Gbps
- Connector: RJ45
- Applications: Switch to Switch interface, 1.25 Gbps EoCu
- Distance: 0.1 km

Environmental

- Controlled Protected Environment (Inside)
  - Operational temperature range: – 5°C to + 55°C
  - Storage temperature range: –40°C to +85 °C
  - Relative humidity 5 to 85%

DESCRIPTION

The 1000Base-T SFP Module 0.1 km plugs into ADTRAN GigE modules designed to accept SFPs. The SFP provides a copper interface to the GigE physical interface. Installed into an appropriate host module, the SFP provides a GigE interface to the supporting system.

NOTE

To ensure compatibility, refer to the documentation provided with the host module.

⚠ CAUTION

Due to compliance certification requirements, only SFPs supplied by ADTRAN are to be used with ADTRAN modules. ADTRAN cannot certify system integrity with other SFPs.

INSTALLATION

Before installing the equipment, inspect the SFP for damage. If damage has occurred during shipping, file a claim with the carrier, and then contact ADTRAN Customer Support. For more information, refer to the warranty.

To install the SFP into an appropriate module, complete the following steps:

NOTE

Do not remove the protective end cap from the SFP until you are ready to connect the fiber optic cable.

1. Insert the SFP into the SFP cage on the module. Ensuring that the latch handle on the SFP is facing upward, slide the SFP all the way into the SFP cage until there is an audible “click”.

NOTE

The latch on the SFP is for removal only. When removing the SFP, rotate the latch away from the SFP, the SFP should easily slide out of the cage

2. Remove the end cap and connect the fiber to the SFP.

NOTICE

We recommend that you keep the protective end cap on whenever the transceiver optical fiber connector is not in use.

3. Continue the installation and turn-up of the host module using the instructions in the Job Aid provided with the module or other system-level documentation available online at www.adtran.com.

Safety and Regulatory Compliance

English

⚠ WARNING

- Read all warnings and cautions before installing or servicing this equipment.
- The Copper SFP port(s) are classified as Type 2 & 4, as defined in Appendix B of GR-1089-CORE, and is/are suitable for connection to intra-building, unexposed, wiring or cabling only. Do not metallically connect the Copper SFP port(s) to interfaces which connect to exposed or Outside Plant (OSP) wiring or cabling. The Copper SFP port(s) is/are designed for use as intra-building interface(s) only (Type 2 & 4 ports as described in GR-1089-CORE) and requires isolation from exposed OSP cabling. The addition of Primary Protectors is not sufficient protection in order to connect the interface metallically to OSP wiring.

⚠ CAUTION

- Electrostatic Discharge (ESD) can damage electronic modules. When handling modules, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place modules in antistatic packing material when transporting or storing. When working on modules, always place them on an approved antistatic mat that is electrically grounded.
- Per GR-1089-CORE the ADTRAN system that the SFP is being deployed in is designed and intended for installation as part of a Common Bonding Network (CBN). The ADTRAN system that the SFP is being deployed in is not designed nor intended for installation as part of an Isolated Bonding Network (IBN).
- The ADTRAN system chassis frame ground terminal must be connected to an earth ground to ensure that the metal enclosure of the SFP is properly grounded via the backplane connector.

NOTE

- The SFP is NRTL Listed to the applicable UL standards. The SFP meets or exceeds all the applicable requirements of Telcordia GR-63-CORE, and GR-1089-CORE.
- The SFP is intended for deployment in Central Office type facilities, EEEs, EECs, and locations where the NEC applies (for example, Customer Premises).
- Install the SFP in an ADTRAN product located in a restricted access location.
- This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

  1. This device may not cause harmful interference
  2. This device must accept any interference received, including interference that may cause undesired operation.

  Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment.
- The SFP is designed to meet the following environmental classes:
  - ETSI EN 300 019-1-1 "Classification of environmental conditions; Storage," Class 1.2
  - ETSI EN 300 019-1-2 "Classification of environmental conditions; Transportation," Class 2.3
  - ETSI EN 300 019-1-3 "Classification of environmental conditions; Stationary use at weather-protected locations," Class 3.1

The equipment is designed to function without degradation during exposure to all test severities per Class 3.3 of ETSI EN 300 019-1-3.

This product is designed to be deployed in GR-3108-CORE environmental Class 1.

The SFP meets the EU's RoHS Directive 2011/65/EU and/or applicable exemptions. See www.adtran.com for further information on RoHS/WEEE.

Français

⚠ AVERTISSEMENT

- Lisez tous les avertissements et mises en garde avant l'installation de cet équipement ou la réalisation de toute opération de maintenance.

⚠ ATTENTION

- L'ESD (décharge électrostatique) peut endommager les modules électroniques. Lors de la manipulation des modules, portez un bracelet de décharge antistatique pour éviter d'endommager les composants électroniques. Placez les modules dans un emballage antistatique lors du transport ou du stockage. Lorsque vous travaillez sur les modules, placez-les toujours sur un tapis antistatique certifié muni d'un branchement de mise à la terre.
- La borne de terre de châssis doit être connecté à une prise de terre pour assurer que le métal exposé (tels que les panneaux avant, des modules SFP / XFP) sur le produit est correctement mis à la terre via le connecteur de fond de panier.

Deutsch

⚠ WARNUNG

- Lesen Sie sich alle Warn- und Sicherheitshinweise durch, bevor Sie dieses Gerät installieren oder warten.

⚠ VORSICHT

- Elektrostatische Entladung können elektronische Module beschädigen. Tragen Sie beim Umgang mit Modulen ein Erdungsarmband, um Schäden an den elektronischen Komponenten zu vermeiden. Transportieren oder lagern Sie Module in antistatischem Verpackungsmaterial. Bei der Arbeit an den Modulen, achten Sie darauf, diese stets auf antistatische, elektrisch geerdete Matten zu legen.
- Der Fahrgestellrahmen Erdanschluß muß zu einer Erde verbunden werden, um sicherzustellen, dass das freiliegende Metall (dh Frontplatten, SFP / XFP-Module) auf dem Produkt richtig über den Backplane-Anschluss geerdet ist.

CAUTION!
SUBJECT TO ELECTROSTATIC DAMAGE OR DECREASE IN RELIABILITY
HANDLING PRECAUTIONS REQUIRED

ADTRAN CUSTOMER CARE:
From within the U.S. 1.888.423.8726
From outside the U.S. +1 256.963.8716
PRICING AND AVAILABILITY 1.800.827.0807

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