

2.5 Gbps Single Mode SFP

Product P/N: 1200483G1

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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>)



DESCRIPTION

The 2.5 Gbps Multimode SFP plugs into ADTRAN GigE modules designed to accept SFPs. The SFP provides an optical 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.

SPECIFICATIONS

General

- ◆ Module type: SFP
- ◆ Fiber/Copper: Fiber
 - Type: SMF
 - Strand #: Dual
 - Direction: UNI
- ◆ Signal Data Rate: 2.5 Gbps
 - Minimum: 2.48 Gbps
 - Maximum: 3.125 Gbps
- ◆ Optical Connector: LC
- ◆ Applications: ATM/SONET/SDH, Ethernet
- ◆ Distance: 5 km maximum
- ◆ DDM: SFF8472 Compliant
- ◆ Power: 1 W max

Optical

- ◆ Transmitter
 - Laser Diode Type: DFB
 - Tx Central Wavelength: 1310 nm
 - Tx Power: -5.0 dBm to 0.0 dBm
 - Tx Spectral width: <30 dB
 - Extinction Ratio: 7 dB
 - Optical Rise time (t_r): 180 ps
 - Optical Fall time (t_f): 180 ps
- ◆ Receiver
 - Rx Type: PIN
 - Rx Central Wavelength: 1310 nm
 - Output Eye: ITU-T G.957 SDH STM-16 S-16.1 Compatible
 - Rx Power: -18.0 dBm to 0.0 dBm

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%

INSTALLATION

Before installing the equipment, inspect the SFP. 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.

PROVISIONING

The SFP is not directly provisionable. To provision the SFP, access the menu system of the host module. For more information, refer to the component or system documentation applicable to the host module for provisioning details.

SAFETY AND REGULATORY COMPLIANCE

⚠ WARNING

Read all warnings and cautions before installing or servicing this equipment.

⚠ 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.
- This product is NRTL Listed to the applicable UL standards. 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 chassis frame ground terminal must be connected to an earth ground to ensure that the exposed metal (i.e., front panels, SFP/XFP modules) on the product is properly grounded via the backplane connector.

NOTE

This product 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 3.3
- The equipment is designed to function without degradation during exposure to all test severities per Class 3.3 of ETSI EN 300 019-2-3.
- The SFP meets the EU’s RoHS Directive. Refer to 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.
- Exigences locales peuvent s'appliquer.
- 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.

REMARQUE

Ce produit est conçu pour répondre aux classes environnementales suivantes :

- ETSI EN 300 019-1-1 "Classification des conditions d'environnement; Entreposage," classe 1.2
- ETSI EN 300 019-1-2 "Classification des conditions d'environnements; Transport," classe 2.3
- ETSI EN 300 019-1-3 "Classification des conditions d'environnements; l'utilisation à poste fixe dans des endroits protégés contre les intempéries," classe 3.3
- L'équipement est conçu pour fonctionner sans dégradation lors des tests à tous les niveaux de sévérité, suivant les spécifications de la classe 3.3 de l'ETSI EN 300 019-2-3.
- Ce produit est conforme à la directive européenne RoHS. Reportez-vous à www.adtran.com pour de plus amples renseignements sur RoHS.

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.
- Lokale Anforderungen möglicherweise gelten.
- 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.

HINWEIS

Dieses Produkt wurde entsprechend der folgenden Umweltklassen entwickelt:

- ETSI EN 300 019-1-1: "Klassifikation von Umweltbedingungen, Lagerung," Klasse 1.2
- ETSI EN 300 019-1-2: "Klassifikation von Umweltbedingungen, Transport," Klasse 2.3
- ETSI EN 300 019-1-3: "Klassifikation von Umweltbedingungen, Stationärer Einsatz ohne Witterungseinflüsse," Klasse 3.3
- Das Gerät soll ohne Verschlechterung während der Exposition gegenüber allen Test-Schweregrade pro funktionieren 3.3 von ETSI EN 300 019-2-3
- Dieses Produkt erfüllt die EU RoHS Richtlinie. Sie www.adtran.com für ausführlichere Informationen zu RoHS.



Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at www.adtran.com/warranty.

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