ADTRAN Pluggable Optics

XFP

NG-PON2 ONU

October 2017
61200491F1C-19A

P/N: 1200491F1C

Quick Start

Description

The Next-Generation Passive Optical Network 2 Optical Network Unit (NG-PON2 ONU) Small Form-factor Pluggable (XFP) is a single-mode fiber XFP. It plugs into an ADTRAN optical interface that is designed to accept XFPs. The XFP provides a single optical interface to a physical interface, and is intended for use with a 10 Gigabit Passive Optical Network (PON) Optical Line Termination (OLT) module. Installed into an appropriate module, the XFP provides a 10 Gbps PON interface to the supporting system.

The following features are supported on this XFP:

- Data rate: 10 Gbps
- Tuneable Wavelength
- Optical distance: 20 km maximum
- Hot Pluggable

Due to compliance certification requirements, use only XFPs supplied by ADTRAN. ADTRAN cannot certify system integrity with other XFPs.

Installation

Before installing the equipment, inspect the XFP. 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.

Installation Steps

To install the XFP into an appropriate device, complete the following steps:

NOTE
Do not remove the protective end cap from the XFP until the fiber optic cable is ready to be connected.

1. Insert the XFP into the XFP cage on the module. Ensuring that the latch on the XFP is facing upward, slide the XFP all the way into the XFP cage until there is an audible "click".

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

NOTICE
Do not remove the protective end cap until the optical fiber connection is made. Ensure that you keep the protective end cap on whenever the transceiver optical fiber connector is not inserted.

2. 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.

Specifications

Specifications for this XFP are as follows:

- Optical
  - Optical transmit level: +4.0 dBm to +8.0 dBm
  - Optical receive level: –28 dBm to –8 dBm
  - Optical Connectors: Single SC receptacle
  - Compatible with XFP MSA
- Environmental
  - Operational Case Temperature Range: 0°C to +70°C
  - Storage Temperature Range: –40°C to +85°C
  - Relative Humidity - Storage: 0% to 95%, noncondensing
  - Relative Humidity - Operational:50% to 85%, noncondensing

ADTRAN®

SAFETY AND REGULATORY

English

 WARNING!

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

 CAUTION!

This product contains or uses a Class 1 Laser module that complies with FDA 21 CFR 1040.10, 1040.11 and IEC 60825-1. For continued compliance with the above standards, only approved Class 1 laser modules from an ADTRAN approved vendor list (located on the ADTRAN website) should be installed in this product. ADTRAN cannot certify system integrity with other laser modules.

 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 and the host system are designed and intended for installation as part of a Common Bonding Network (CBN). This product and the host system are not designed nor intended for installation as part of an Isolated Bonding Network (IBN).

- This product is designed and intended only for deployment in a DC-C (common) bonding and grounding configuration. This product is not intended or designed for deployment in a DC-I (isolated) bonding and grounding system.

- 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 be deployed in GR-3108-CORE environmental Class 1 or 2.

- This product is NRTL Listed to the applicable UL Standards. The product is designed to meet the applicable requirements of Telcordia GR-3108-CORE and GR-1089-CORE.

- This product has also been evaluated to international safety standards EN 60950-1, AS/NZS 60950.1, and IEC 60950-1. Standards used to demonstrate Compliance are EN 60950-1.

- This product is intended for deployment in Central Office type facilities, EEEs, EECs, and locations where the NEC applies (for example, Customer Premises).

- 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.

- This product meets EU RoHS Directive 2011/65/EU and/or applicable exemptions. Refer to www.adtran.com for further information on RoHS/WEEE.

Français

 AVERTISSMENT!

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

 ATTENTION!

Ce produit contient ou utilise un module Laser de classe 1 qui est conforme avec la FDA 21 CFR 1040.10, 1040.11 et IEC 60825-1. Pour le maintien de la conformité avec les normes ci-dessus, seulement approuvé classe 1 modules laser d'un ADTRAN approuvés liste des fournisseurs (situé sur le site ADTRAN) doit être installé dans ce produit. ADTRAN ne peut certifier l'intégrité du système avec d'autres modules laser.

 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!

DasProdukt enthält oder verwendet Klasse 1 Laser-Module, die 60825-1 mit FDA 21 CFR 1040.10, 1040.11 und IEC erfüllen. Damit die obigen Richtlinien auch in Zukunft eingehalten werden können, dürfen ausschließlich Klasse 1 Lasermodule von einem von ADTRAN zugelassenen Anbieter in dem Produkt installiert werden (siehe Website von ADTRAN). ADTRAN garantiert nicht für die Systemintegrität bei anderen Lasermodulen

 VORSICHT!

- Elektrostatische Entladung (ESD) können elektronische Baugruppen beschädigt werden. Beim Umgang mit Modulen ,

tragen Sie eine Antistatikarmband, um Schäden an elektronischen Bauteilen zu verhindern. Ort -Module in antistatische Verpackung, beim Transport oder Lagerung. Bei Arbeiten an Modulen immer legen Sie sie auf einer zugelassenen antistatische Unterlage, die elektrisch geerdet ist.

■ 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.

Documentation for ADTRAN Network Solutions 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 online documents and resources provide additional information for this product:

ADTRAN Pluggable Optics Compatibility Matrix (online tool, go to: http://www.adtran.com/pluggableoptics)

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

61200491F1C-19A