Adtran Pluggable Optics

QSFP+ to SFP+ Adapter

Quick Start

October 2023
61445030F1-13B

P/N: 1445030F1

Description

The QSFP+ to SFP+ Adapter enables an SFP+ (10 G) device to be plugged into a QSFP+ (40 G) port. These devices can either be cables or SFP/SFP+ transceiver modules.

The QSFP+ to SFP+ Adapter has a built-in QSFP+ form factor with a receptacle for SFP+ cable connectors.

The QSFP+ to SFP+ Adapter should be installed in a QSFP+ port and is intended to either connect a switch QSFP+ port to a NIC SFP+ port or connect a NIC QSFP+ port to a switch SFP+ port.

Installation

Before installing the equipment, inspect the QSFP+ to SFP+ Adapter. 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 QSFP+ to SFP+ Adapter, complete the following steps:

| i | **NOTE**

Orientation of the QSFP+ to SFP+ Adapter will vary depending on the host module.

1. Insert the QSFP+ to SFP+ Adapter into the QSFP+ port on the host module.
2. Slide the QSFP+ to SFP+ Adapter all the way into the QSFP+ port until there is an audible "click".
3. Insert the SFP+ transceiver/cable into the QSFP+ to SFP+ Adapter.
4. Slide the SFP+ transceiver/cable all the way into the QSFP+ to SFP+ Adapter until there is an audible "click".

| i | **NOTE**

The loop on the QSFP+ to SFP+ Adapter is for removal only.

Maintenance

The QSFP+ to SFP+ Adapter does not require routine hardware maintenance for normal operation. Adtran does not recommend that repairs be attempted in the field. Repair services may be obtained by returning the defective unit to Adtran. Refer to the warranty for further information. Field support for software is provided through upgrade facilities.

Specifications

Specifications for the QSFP+ to SFP+ Adapter are as follows:

Environmental

- Controlled Protected Environment (Indoor)
  - System Ambient Operational Temperature Range: –5°C to +55°C
  - Storage Temperature Range: –40°C to +85°C
  - Relative Humidity: 5 to 95% non-condensing

| ⚠ | **WARNING!**

WARNING indicates a hazard which, if not avoided, could result in death, injury or serious property damage.

| ⚠ | **CAUTION!**

CAUTION indicates a hazard which, if not avoided, could result in service interruption, damage to the equipment, or minor property damage.

| i | **NOTE**

NOTES inform the user of additional, but important, information or features.

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SAFETY AND REGULATORY

English

⚠️ **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.

☢️ **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.

- 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 does not have an internal DC connection between battery return and frame ground. This product can be installed in a DC-I (isolated) or DC-C (common) configuration.

- 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 by way of the backplane connector.

ℹ️ **NOTE**
- The product is designed to meet the applicable requirements of Telcordia GR-63-CORE, GR-1089-CORE and GR-3108-CORE.

- This product is designed to be deployed in GR-3108-CORE environmental class 1, class 2, and class 3, as defined in GR-3108-CORE.

- This product meets or exceeds all the applicable requirements of NEBS, Telcordia GR-63-CORE, and GR-1089-CORE. This product is intended for deployment in Central Office type facilities, EEEs, EECs, and locations where the NEC applies (i.e., Customer Premises).

- The product is designed to meet the applicable requirements of Telcordia GR-63-CORE and GR-1089-CORE.

- 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 is designed to meet the following environmental classes:

  ♦ ETSI EN 300 019-2-1 "Classification of environmental conditions; Storage Class" 1.2

  ♦ ETSI EN 300 019-2-2 "Classification of environmental conditions, Transportation", Class 2.3

  ♦ ETSI EN 300 019-2-3 "Classification of environmental conditions, Stationary use at weather protected locations", Class 3.1E

- This product is designed to function without degradation during exposure to all test severities per Class 3.3 of ETSI EN 300 019-2-3.

- This product meets EU RoHS Directive. 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.

Deutsch

⚠️ **WARNUNG!**
Lesen Sie sich alle Warn- und Sicherheitshinweise durch, bevor Sie das Gerät installieren oder Servicehandlungen vornehmen.

Documentation for Adtran Network Solutions products is available for viewing and download directly from the Adtran Support Community website.

Go to: https://supportcommunity.adtran.com/

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

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