

## XGS3-2SFP+

### 2-Port 10G SFP+ Optic Module

#### Quick Installation Guide

## 1. Overview

Thank you for purchasing PLANET XGS3-2SFP+ 2-Port 10G SFP+ Optic Module. The SFP+ (10 Gigabit Small Form Factor Pluggable Plus) is a hot-swappable optical transceiver for 10 Gigabit per second. The XGS3 10G Ethernet module can install into PLANET XGS3-24042 Switch witch supports up to 4 10Gb fiber slots.

With optional 10G SFP+ fiber transceivers, the distance can be extended from 300 meters (MTB-SR, 10GBase-SR, Multi-mode, 850nm), up to 10 kilometers (MTB-LR, 10GBase-LR, Single-mode, 1310nm).

## 2. Checklist

Your XGS3-2SFP+ box should contain the following items:

- The XGS3-2SFP+ module
- This Quick Installation Guide

If any item is missing or damaged, please consult the dealer from whom you purchased your XGS3-2SFP+ module.

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## 3. Introduction

### 2-Port 10G SFP+ Optic Module

The following figure illustrates the front panel of XGS3-2SFP+ Module.

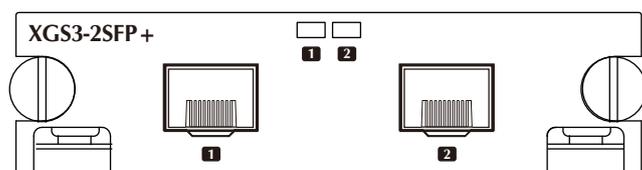


Figure 1 2-Port 10G SFP+ Optic Module Front View

#### Features:

- Comply with the IEEE 802.3ae 10 Gigabit Ethernet standard
- 2-Port SFP+ transceiver slot module
- Full-Duplex with support of Flow Control
- Plug and Play Installation
- LED indicators for LNK/ACT status

#### LED Definition 2SFP+ interface

The XGS3-2SFP+ slide-in module includes its own integrated LED indicators on the module's front panel. The following table describes the LEDs.

LED	Color	Function
LNK/ ACT	Green	<b>On:</b> indicate the 10Gbps link through that port is successfully established. <b>Blink:</b> indicate that the Switch is actively sending or receiving data over that port.

## 4. Installing Optional Modules

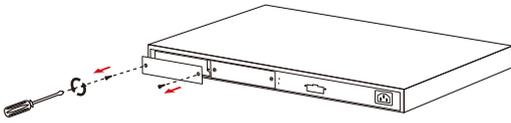
You can purchase optional modules separately to meet the needs of your network.



The XGS3-2SFP+ module is hot-swappable during operation; there is no need to power off the Switch before slide or remove the module.

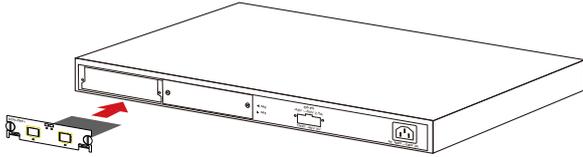
Follow these steps to install the optional module into the Switch:

1. Place the Switch on a flat surface. Grasp the thumbscrew on the sides of the blank bracket and turn counter-clockwise to unscrew them. You can also use a screwdriver remove the blank bracket (See Figure 2). Do not discard the blank bracket. Put the blank bracket back if you remove the module out of the Switch.



**Figure 2** Remove the blank bracket

2. Install the XGS3-2SFP+ module by inserting it into the rails and sliding it in until it stops (See Figure 3). Press it firmly until you feel the module snap into place. Never force, twist or bend the optional module.
3. Gently push the thumbscrews and turn clockwise to tighten. Do not over tighten the thumbscrews.
4. Power the Switch and it will automatically detect the new module.



**Figure 3** Insert the XGS3-2SFP+ modules

5. Check the LED on the module's front panel to verify that if there is a link and a proper connection at the port.
- Please refer to the Switch's user's manual for more about Switch or module's management.

**Caution!**

Do not stare directly at the 2 fiber bore in the SFP+ transceiver when the Switch is in operation, otherwise the laser may hurt your eyes.

**Connect the fiber cable**

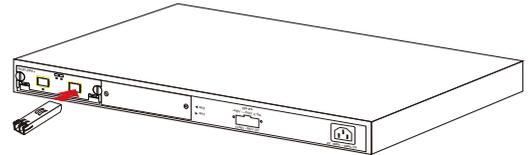
1. Make sure both side of the SFP+ transceiver are with the same media type, for example: 10GBase-SR to 10GBase-SR, 10GBase-LR to 10GBase-LR.
2. Check the fiber-optic cable type match the SFP+ transceiver model.
3. Attach the duplex LC connector on the network cable into the SFP+ transceiver.
4. Connect the other end of the cable to a device – switches with XFP or SFP+ installed, fiber NIC on a workstation or a Media Converter.
5. Check the LNK/ACT LED of the XGS3-2SFP+ module. Ensure that the SFP+ transceiver is operating correctly.

**5. SFP+ Transceiver Installation**

The XGS3-2SFP+ has two vacant 10Gb fiber transceiver slots. The procedure of installing the SFP+ 10Gb fiber transceiver is as below:

**Installing the SFP+ transceiver**

1. Put on an ESD wrist strap (or antistatic gloves)
2. Insert the SFP+ transceiver to the guide rail inside the XGS3-2SFP+ module. Do not to put the SFP+ transceiver up-side-down.
3. Push the SFP+ transceiver along the guide rail gently until it comes into contact with the front panel of the XGS3-2SFP+ module.



**Figure 4** Plug-in the SFP+ transceiver

**Note** The SFP+ 10Gb transceiver is hot-swappable.

**Appendix A**

Fiber Optical Cable Connection Parameters

The wiring details are as below:

**Fiber Optical patch Cables:**

Standard	Wavelength	Fiber Type	Cable Specification
10GBase-SR	850nm	Multi-mode	50/125µm
10GBase-LR	1310nm	Single mode	9/125µm

