

## 1. Overview

Thank you for purchasing PLANET MTB family 10G SFP+ / XFP Gigabit Ethernet module. The MTB family 10G SFP+ / XFP Gigabit Ethernet module can install into PLANET products with 10G SFP+ / XFP interface. The distance can be extended from 300 meters (Multi-mode, LC), up to 10 kilometers (Single-mode, LC).

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## 3. Checklist

Your MTB carton should contain the following items:

- The 10G SFP+ / XFP Gigabit Ethernet module
- This User's Manual

If any item is missing or damaged, please consult the dealer from whom you purchased your MTB family 10G SFP+ / XFP Gigabit Ethernet module.

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### 4-3 1-Port 10GBase-SR Fiber Optic Module-MTB-XSR

#### Features:

- 1-Port LC interface fiber connector (XFP)
- Comply with the IEEE 802.3ae 10 Gigabit Ethernet Standard
- For established fiber link distance up to 300m over 50/125µm multi-mode fiber cable
- Plug and Play Installation

### 4-4 1-Port 10GBase-LR Fiber Optic Module-MTB-XLR

#### Features:

- 1-Port LC interface fiber connector (XFP)
- Comply with the IEEE 802.3ae 10 Gigabit Ethernet Standard
- For established fiber link distance up to 10km over 9/125µm single mode fiber cable
- Plug and Play Installation

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2. Install the 10GBase-LR / SR mini-GBIC module by inserting it into the 10G SFP+ slots of ENW-9800 and sliding it in until it stops (See **Figure 1**). Press it firmly until you feel the module snap into place. Never force, twist or bend the 10GBase-LR / SR mini-GBIC module. The 10GBase-LR / SR mini-GBIC module slides in smoothly and the ENW-9800 will automatically detect the new module.



**Figure 1:**  
Insert the 10GBase-LR / SR mini-GBIC module into ENW-9800

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## 2. Model List

Your MTB family 10G SFP+ / XFP Gigabit Ethernet module comes with one of the following models.

10G Ethernet Module List		
Model	Interface	Connector type and distance
MTB-SR	10GBase-SR SFP+ Module	LC, Multi-mode, 300m
MTB-LR	10GBase-LR SFP+ Module	LC, Single-mode, 10km
MTB-XSR	10GBase-SR XFP Module	LC, Multi-mode, 300m
MTB-XLR	10GBase-LR XFP Module	LC, Single-mode, 10km

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## 4. Introduction

### 4-1 1-Port 10GBase-SR mini-GBIC Module-MTB-SR

#### Features:

- 1-Port LC interface fiber connector (SFP+)
- Comply with the IEEE 802.3ae 10 Gigabit Ethernet Standard
- For established fiber link distance up to 300m over 50/125µm multi-mode fiber cable
- Plug and Play Installation

### 4-2 1-Port 10GBase-LR mini-GBIC Module-MTB-LR

#### Features:

- 1-Port LC interface fiber connector (SFP+)
- Comply with the IEEE 802.3ae 10 Gigabit Ethernet Standard
- For established fiber link distance up to 10km over 9/125µm single mode fiber cable
- Plug and Play Installation

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## 5. Installing 10G Ethernet Modules

### 5.1 Install the 10GBase-LR / SR mini-GBIC module- MTB-SR / MTB-LR

The 10GBase-LR / SR mini-GBIC module can install into Planet products with 10G SFP+ interface. Please refer to following steps to install the 10GBase-LR / SR mini-GBIC modules:

The following step will base on the ENW-9800 (Dual 10Gbps SFP+ PCI Express Server Adapter).

1. Once PLANET ENW-9800 installed into a PC, its dual 10G SFP+ slots support hot swappable feature.

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### 5.2 Install the 10GBase-LR / SR Fiber Optic module- MTB-XSR / MTB-XLR

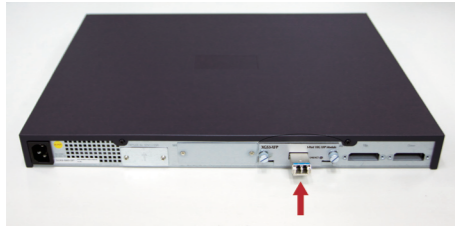
The 10GBase-LR / SR Fiber Optic module can install into Planet products with 10G XFP interface. Please refer to following steps to install the 10GBase-LR / SR Fiber Optic modules:

The following step will base on the XGS3-XFP (1-Port 10G XFP Optic Module for XGS3-24040 (24-Port Gigabit with 2 Optional 10G slots Layer 3 Managed Stackable Switch)).

1. Once install XGS3-XFP module into XGS3-24040, its 10G XFP slot support hot swappable feature.

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2. Power on the XGS3-24040 L3 Switch and place the Switch on a flat surface. Install the new 10GBase-LR / SR Fiber Optic module by inserting it into the slots and sliding it in until it stops (See **Figure 2**). Press it firmly until you feel the module snap into place. Never force, twist or bend the 10GBase-LR / SR Fiber Optic module. The 10GBase-LR / SR Fiber Optic module slides in smoothly and the XGS3-24040 L3 Switch will automatically detect the new module.



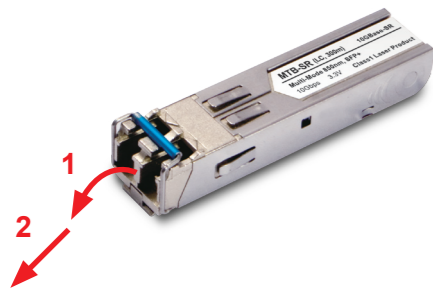
**Figure 2:** Insert the 10GBase-LR / SR Fiber Optic modules

3. After the 10GBase-LR / SR Fiber connection was built successfully. Check the LNK/ACT LED 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.**

### 5.3 Remove the 10G Ethernet Modules

1. Make sure there is no network activity by consult or check with the network administrator.
2. Remove the Fiber Optic Cable gently.
3. Turn the handle of the MTB family 10G SFP+ / XFP Gigabit Ethernet module to horizontal.
4. Pull out the MTB family 10G SFP+ / XFP Gigabit Ethernet module gently through the handle.



**Warning:**

Never pull out the 10G SFP+ / XFP module without pull the handle or the push bolts on the module. Direct pull out the 10G SFP+ / XFP module with violent could damage the 10G SFP+ / XFP module and the 10G SFP+ / XFP module interfaces of the device.



Plug & Play  
MTB-Series | **SFP+ / XFP 10Gigabit Ethernet Transceiver**



**User's Manual**