# L3 Multi-port 10Gigabit Managed Ethernet Switch

## XGS-6320-8X8TR

## XGS-6320-12X4TR

## XGS-6320-8UP4X

Quick Installation Guide

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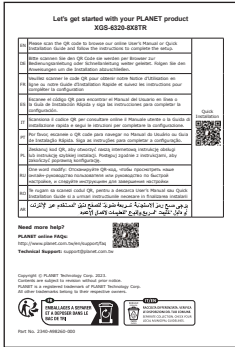
# 1. Package Contents

Thank you for purchasing PLANET Multi-port 10Gigabit Managed Ethernet Switch, XGS-6320-8X8TR/XGS-6320-12X4TR/XGS-6320-8UP4X. The descriptions of these models are shown below:

| | |
|---|---|
| XGS-6320-8X8TR | Layer 3 8-Port 10GBASE-X SFP+ + 8-Port 10GBASE-T Managed Ethernet Switch |
| XGS-6320-12X4TR | Layer 3 12-Port 10GBASE-X SFP+ + 4-Port 10GBASE-T Managed Ethernet Switch |
| XGS-6320-8UP4X | Layer 3 8-Port 10GBASE-T 802.3bt PoE + 4-Port 10GBASE-X SFP+ Managed Ethernet Switch |

**"Managed Switch"** is used as an alternative name in this Quick Installation Guide.

Open the box of the Managed Switch and carefully unpack it. The box should contain the following items:

| L3 Managed Switch x 1 | Quick Installation Guide Sheet x 1 | DB9 to RS232 Cable x 1 |
|---|---|---|
|  |  |  |
| | | AC Power Cord x 1 |
| | |  |
| Rack-mounting Kits | | SFP Dust Caps x 12, 8 or 4 (depending on models) |
|  | |  |

If any item is found missing or damaged, please contact your local reseller for replacement.

## 2. Requirements

- **Workstations** running Windows 7/8/10/11, MAC OS 11 or later, Linux, UNIX, or other platforms that are compatible with TCP/IP protocols.

- Workstations are installed with **Ethernet NIC** (Network Interface Card)

- **Serial Port Connection** (Terminal)

  ➢ The above Workstations come with **COM Port** (DB9) or **USB-to-RS232** converter.

  ➢ The above Workstations have been installed with **terminal emulator**, such as Tera Term or PuTTY.

  ➢ **Serial cable** -- one end is attached to the RS232 serial port, while the other end to the console port of the Managed Switch.

- **Ethernet Port Connection**

  ➢ Network cables -- Use standard network (UTP) cables with RJ45 connectors.

  ➢ The above PC is installed with Web browser.

| | |
|---|---|
| Note | It is recommended to use the latest Chrome version that works with your workstation to access the Managed Switch. If the Web interface of the Managed Switch is not accessible, please turn off the anti-virus software or firewall and then try it again. |

# 3. Terminal Setup

To configure the system, connect a serial cable to a COM port on a PC or notebook computer and to RJ45 type of serial port of the Managed Switch.
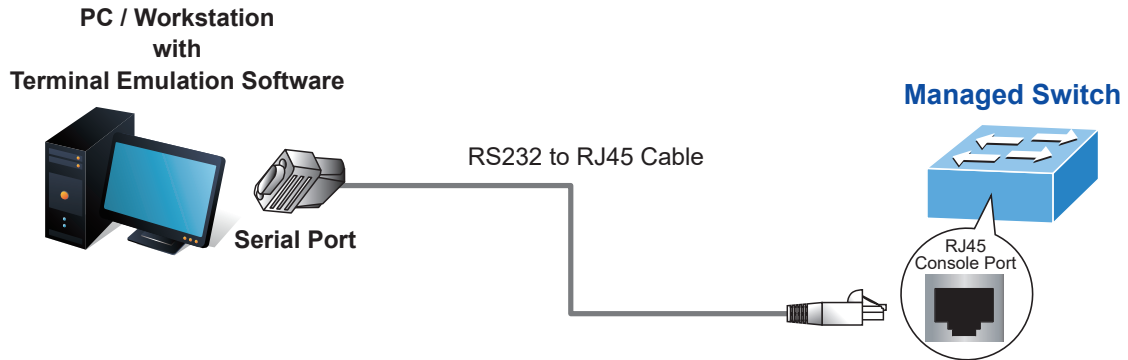


**Figure 3-1:** Managed Switch Console Connectivity

A terminal program is required to make the software connection to the Managed Switch.

1. Run terminal program on the OS.

2. When the following screen appears, make sure that the COM port should be configured as:

- Speed: 115200
- Data: 8 bit
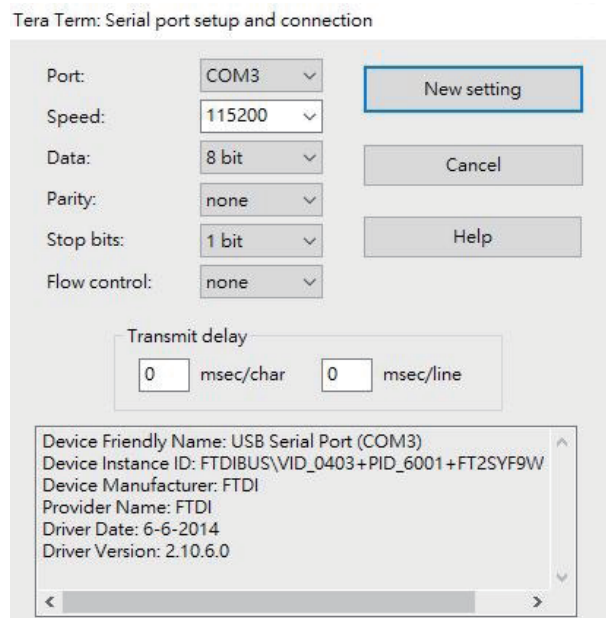- Parity: None
- Stop bits: 1 bit
- Flow control: None



**Figure 3-2:** COM Port Configuration

## 3.1 Logging on to the Console

Once the terminal is connected to the device, power on the Managed Switch, and the terminal will display "running testing procedures". Subsequently, a prompt will request the entry of your username and password. The factory default user name and password are shown as follows and you can refer to Figure 3-3 for the login screen.

| | |
|---|---|
| Note | 1. The following console screen is based on the firmware version before **May of 2024**.<br>2. The following console screen based on the XGS-6320-8X8TR will be the same as that of the XGS-6320-12X4TR and XGS-6320-8UP4X. |

Username: **admin**
Password: **admin**



**Figure 3-3:** Managed Switch Console Login Screen

The user can now enter commands to manage the Managed Switch. For a detailed description of the commands, please refer to the following chapters.

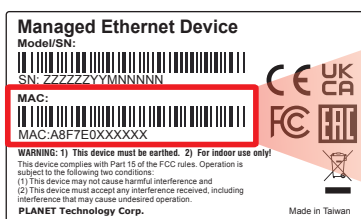| | |
|---|---|
| Note | 1. For security reason, please change and memorize the new password after this first setup.<br>2. Only accept command in lowercase letter under console interface. |

Username: **admin**
Password: **sw + the last 6 characters of the MAC ID in lowercase**

Find the MAC ID on your device label. The default password is "sw" followed by the last six lowercase characters of the MAC ID.



**Figure:** MAC ID Label

Enter the default username and password, then set a new password according to the rule-based prompt and confirm it.



**Figure 3-4:** Industrial Managed PoE+ Switch Console Login Screen

The user can now enter commands to manage the Industrial Managed Switch. For a detailed description of the commands, please refer to the following chapters.

## 3.2 Configuring IP Address

The Managed Switch is shipped with default IP address shown below.

> IP Address: **192.168.0.100**
> Subnet Mask: **255.255.255.0**

To check the current IP address or modify a new IP address for the Switch, please use the procedures as follows:

■ **Show the current IP Address**

1. At the **"#"** prompt, enter **"show ip interface brief"**.

2. The screen displays the current IP address as shown in Figure 3-5.

```
XGS-6320-8X8TR# show ip interface brief
Interface Address          Method Status
--------- -----------------  ------ ------
VLAN 1    192.168.0.100/24   Manual UP
XGS-6320-8X8TR#
```

**Figure 3-5:** IP Information Screen

■ **Configuring IP Address**

3. At the "#" prompt, enter the following command and press **<Enter>** as shown in Figure 3-6.

> XGS-6320-8X8TR # **configure terminal**
> XGS-6320-8X8TR (config)# **interface vlan 1**
> XGS-6320-8X8TR (config-if-vlan)# **ip address 192.168.1.100 255.255.255.0**

The previous command would apply the following settings for the Managed Switch.

IP Address: **192.168.1.100**
Subnet Mask: **255.255.255.0**

```
XGS-6320-8X8TR# configure terminal
XGS-6320-8X8TR(config)# interface vlan 1
XGS-6320-8X8TR(config-if-vlan)# ip address 192.168.1.100 255.255.255.0
XGS-6320-8X8TR(config-if-vlan)#
```

**Figure 3-6:** Configuring IP Address Screen

4. Repeat step 1 to check if the IP address has changed.

If the IP is successfully configured, the Managed Switch will apply the new IP address setting immediately. You can access the Web interface of the Managed Switch through the new IP address.

## 3.3 Storing Current Switch Configuration

In the Managed Switch, the running configuration sequence running-config can be saved from the RAM to FLASH by **"copy"** command, so that the running configuration sequence becomes the start-up configuration file, which is called configuration save.

At the **"#"** prompt, enter the following command and press **<Enter>**.

> # **copy running-config startup-config**

```
XGS-6320-8X8TR(config-if-vlan)# exit
XGS-6320-8X8TR(config)# exit
XGS-6320-8X8TR# copy running-config startup-config
Building configuration...
% Saving 4115 bytes to flash:startup-config
XGS-6320-8X8TR#
```

**Figure 3-7:** Saving Current Configuration Command Screen

| | |
|---|---|
| Note | If you are not familiar with the console command or the related parameter, enter **"help"** anytime in console to get the help description. |

# 4. Starting Web Management

The following shows how to start up the **Web Management** of the Managed Switch. Note the Managed Switch is configured through an Ethernet connection. Please make sure the manager PC must be set to the same **IP subnet address**.

For example, the default IP address of the Managed Switch is **192.168.0.100**, then the manager PC should be set to **192.168.0.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.
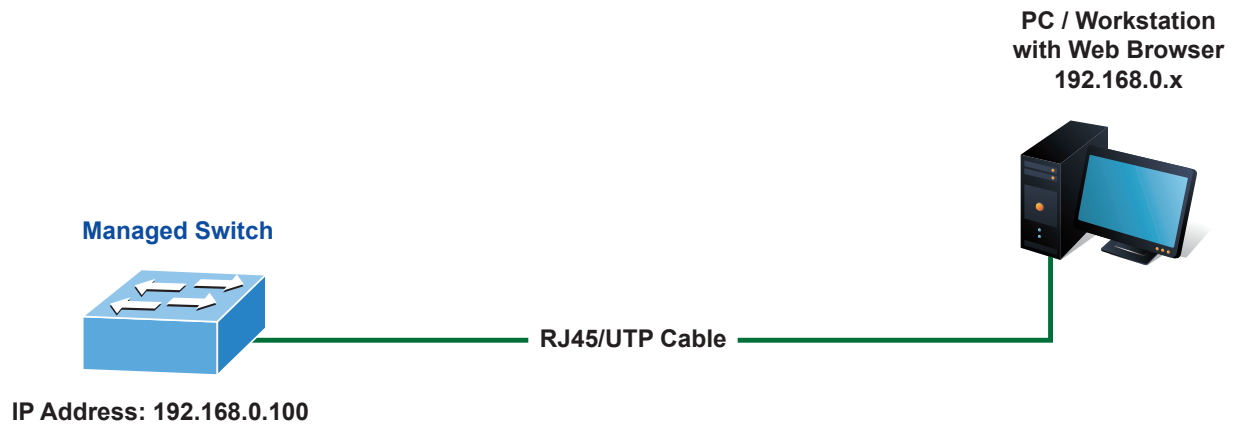
**PC / Workstation
with Web Browser
192.168.0.x**

**Managed Switch**

**RJ45/UTP Cable**

**IP Address: 192.168.0.100**

**Figure 4-1:** IP Management Diagram

## 4.1 Logging in to the Managed Switch

1. Use Chrome, Edge or Firefox Web browser and enter IP address **https://192.168.0.100** (the factory default IP address or the one that you have just changed in console) to access the Web interface.

| | |
|---|---|
| **Note** | The following console screen is based on the firmware version before **May of 2024**. |

2. When the following dialog box appears, please enter the default user name and password **"admin"** (or the password you have changed via console). The login screen in Figure 4-2 appears.

Default IP Address: **192.168.0.100**
Default Username: **admin**
Default Password: **admin**

**Figure 4-2:** Login Screen

| | |
|---|---|
| **Note** | The following web screen based on the XGS-6320-8X8TR will be the same as that of the XGS-6320-12X4TR and the XGS-6320-8UP4X. |

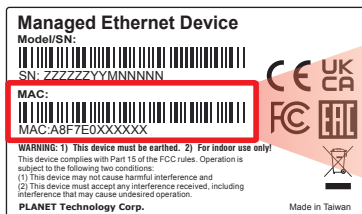**Note** The following web screen is based on the firmware version of **May of 2024 or after**.

3. When the following dialog box appears, please enter the default user name and password. Refer to Section 3.1 to determine your initial login password.

Default IP Address: **192.168.0.100**
Default Username: **admin**
Default Password: **sw + the last 6 characters of the MAC ID in lowercase**

4. Find the MAC ID on your device label. The default password is "sw" or "mc" followed by the last six lowercase characters of the MAC ID.

**Managed Ethernet Device**
Model/SN:
SN: ZZZZZZYYMNNNNN
MAC:
MAC:A8F7E0XXXXXX
WARNING: 1) This device must be earthed. 2) For indoor use only!
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 and
(2) This device must accept any interference received, including
interference that may cause undesired operation.
**PLANET Technology Corp.**                    Made in Taiwan

MAC ID: A8F7E0XXXXXX
Default Password: sw<span style="color:red">xxxxxx</span>
("x" means the last 6 digits of the MAC address.
All characters should be in lowercase.)

**Figure 4-3:** Industrial Managed Switch MAC ID Label

Authentication required

https://192.168.0.100
Your connection to this site is not private

Username

Password

Log in    Cancel

**Figure 4-4:** Login Screen

5. After logging in, you will be prompted to change the initial password to a permanent one.
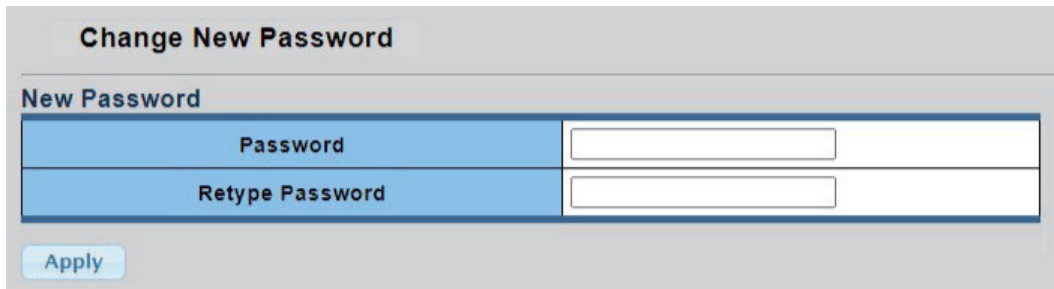


**Figure 4-5:** Create a New Password

6. Enter the default username and password, then set a new password according to the rule-based prompt and confirm it. Upon success, press any key to return to the login prompt. Log in with "admin" and the "new password" to access the Web interface.

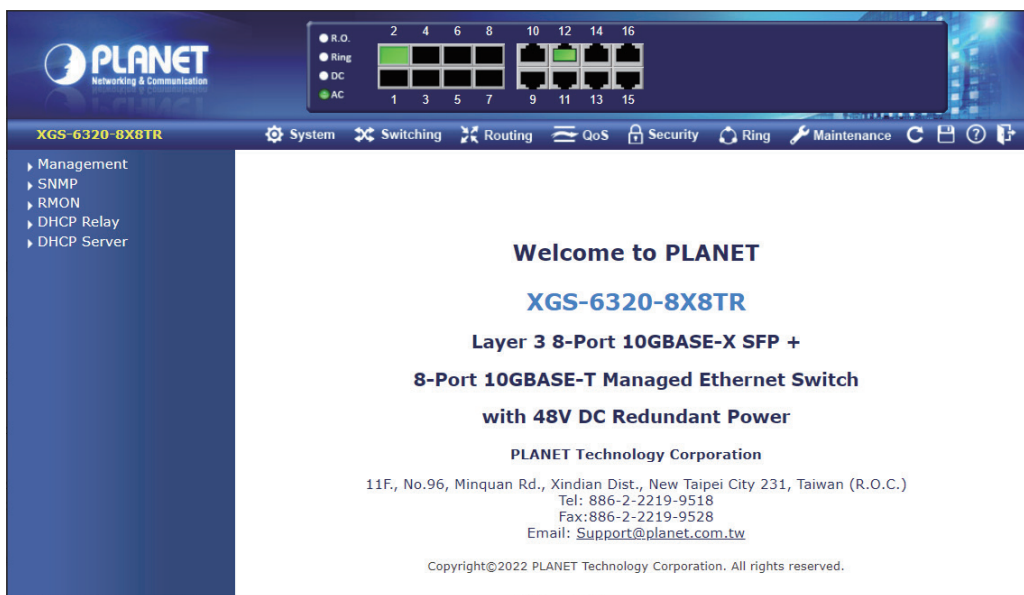7. After entering the password, the main screen appears as Figure 4-6 shows.



**Figure 4-6:** Web Main Screen of Managed Switch

The Switch Menu on the top of the Web page lets you access all the commands and statistics the Managed Switch provides. The Switch Menu always contains one or more buttons, such as **"System"**, **"Switching"**, **"Routing" "QoS"**, **"Security"**, **"Ring"** and **"Maintenance"**.
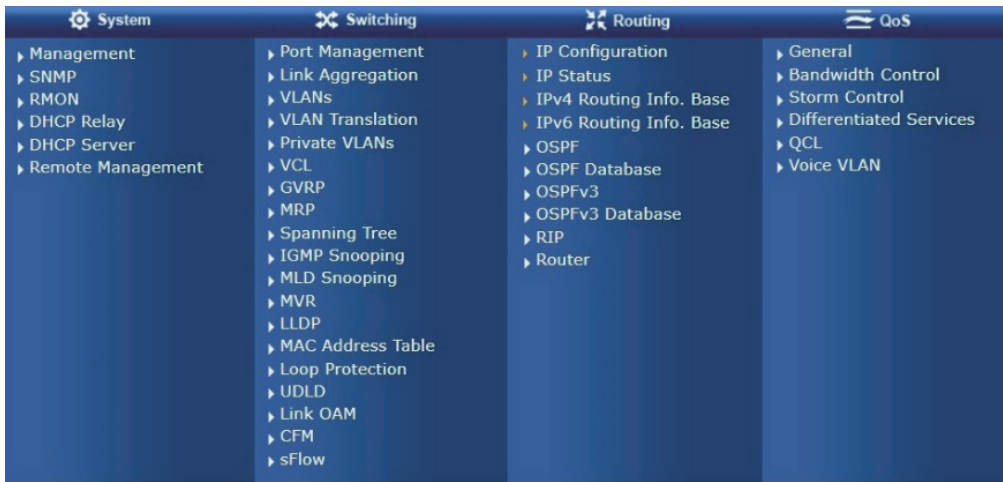


**Figure 4-7:** Switch Menu
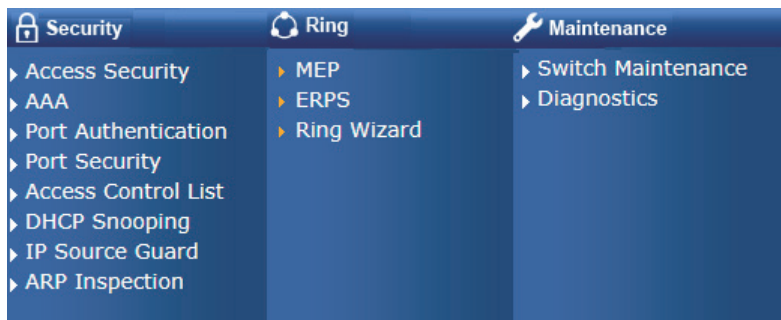
**Figure 4-8:** Switch Menu – System, Switching, Routing and QoS



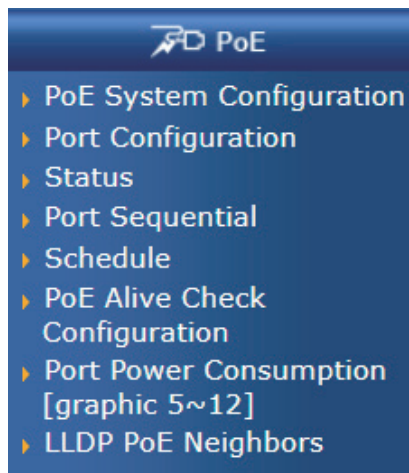**Figure 4-9:** Switch Menu – Security, Ring and Maintenance



**Figure 4-10:** Switch Menu – PoE (only applies to XGS-6320-8UP4X)

| | |
|---|---|
| Note | If you are not familiar with Switch functions or the related parameter, press **"Help icon"** anytime on the Web page to get the help description. |

Now, you can use the Web management interface to continue the Switch management or manage the Switch by console interface.

Please refer to the user's manual for more.

## 4.2. Saving Configuration

To save all applied changes and set the current configuration as a startup configuration on the Web user interface, the startup-configuration file will be loaded automatically across a system reboot.

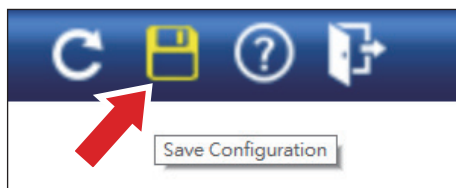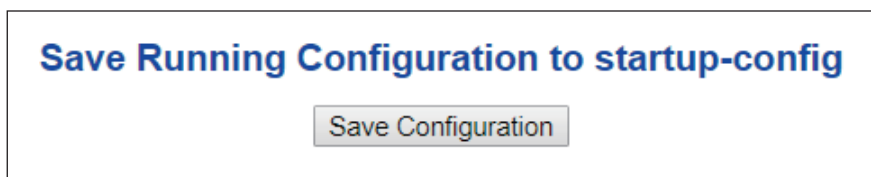1. Click the **Save** icon on the top Switch Menu bar.



**Figure 4-11:** Save Config -- Hot key

2. Press the **"Save Configuration"** button.



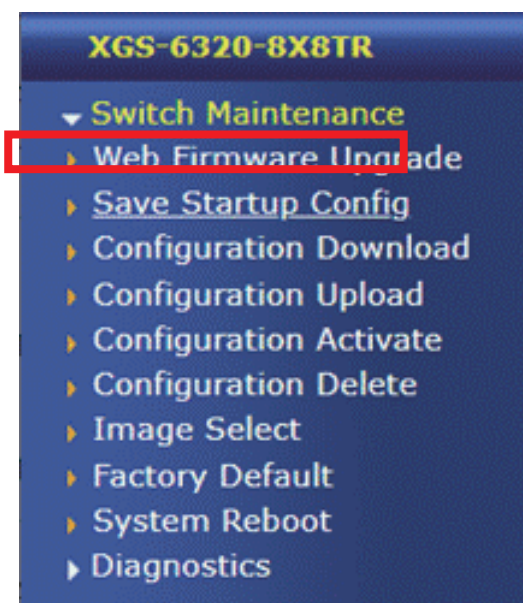3. Or the other way to save the setting is to Click **Maintenance**, **Save Startup Config**.



**Figure 4-12:** Save Config – Maintenance

# 5. Recovering to Default Configuration

**■ IP address has been changed or admin password has been forgotten –**

To reset the IP address to the default IP address **"192.168.0.100"** or reset the login password to default value, press the hardware-based **reset button** on the front panel for about **10 seconds**. After the device is rebooted, you can log in the management Web interface within the same subnet of 192.168.0.xx.
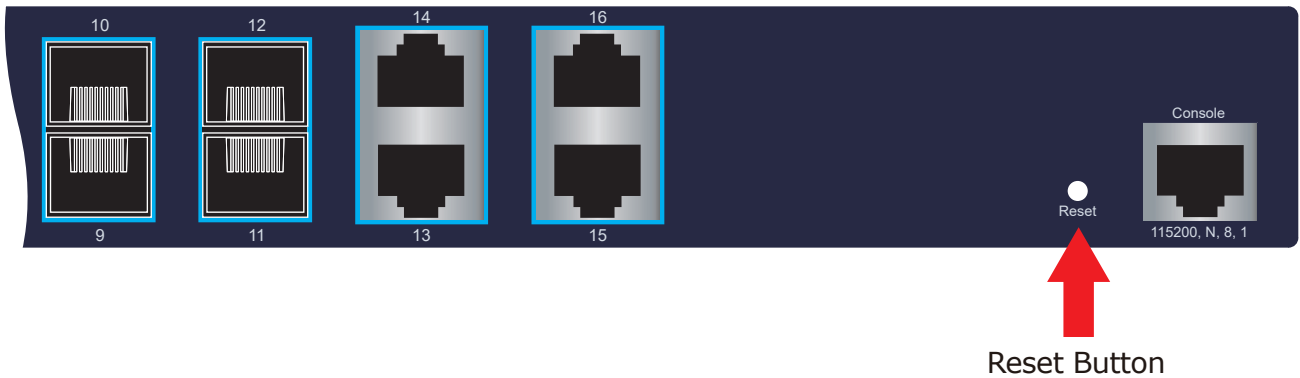


Reset Button

**Figure 5-1:** Reset Button

# 6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQs resource and User's Manual on PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQs:
https://www.planet.com.tw/en/support/faq

Switch support team mail address:
support@planet.com.tw

XGS-6320-8X8TR/XGS-12X4TR/XGS-6320-8UP4X User's Manual:
https://www.planet.com.tw/en/support/downloads?&method=keyword&keyword=xgs-6320&view=3#list



(Please select your switch model name from the drop-down menu of Product Model.)