8-/16-/24-/48-Port 10/100/1000T +
2-/4-Port 100/1000X SFP Managed Switch

GS-4210 Series

Quick Installation Guide

Table of Contents

1. Package Contents

Thank you for purchasing PLANET GS-4210 Managed Switch series. The descriptions of this series are shown below:

Model	Description	PoE Budget
GS-4210-8T2S	8-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch	---
GS-4210-8P2S	8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch	140W
GS-4210-8P2C	8-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch	120W
GS-4210-16T2S	16-Port Layer 2 Managed Gigabit Ethernet Switch w/2 SFP Interfaces	---
GS-4210-16P2S	16-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch	220W
GS-4210-16P4C	16-Port 10/100/1000T 802.3at PoE + 4-Port Gigabit TP/SFP Combo Managed Switch	240W
GS-4210-24T2S	24-Port Layer 2 Managed Gigabit Ethernet Switch w/2 SFP Interfaces	---
GS-4210-24P2S	24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch	300W
GS-4210-24P4C	24-Port 10/100/1000T 802.3at PoE + 4-Port Gigabit TP/SFP Combo Managed Switch	280W
GS-4210-24PL4C	24-Port 10/100/1000T 802.3at PoE + 4-Port Gigabit TP/SFP Combo Managed Switch	430W
GS-4210-24T4S	24-Port 10/100/1000T + 4-Port 100/1000X SFP Managed Gigabit Switch	---
GS-4210-24T4SR	24-Port 10/100/1000T + 4-Port 100/1000X SFP Managed Gigabit Switch with 36-72V DC Redundant Power	---
GS-4210-48T4S	48-Port Layer 2 Managed Gigabit Ethernet Switch w/4 SFP Interfaces	---
GS-4210-48P4S	48-Port 10/100/1000T 802.3at PoE + 4-Port 100/1000BASE-X SFP Managed Switch	600W

"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:

● The Managed Switch x 1

● Quick Installation Guide x 1

● RS232 to RJ45 Cable x 1

● Rubber Feet x 4

● Two Rack-mounting Brackets with Attachment Screws x 1

● Power Cord x 1

● SFP Dust-proof Cap

Models	SFP Dust-proof Caps
GS-4210-8P2C GS-4210-8T2S GS-4210-8P2S	2
GS-4210-16T2S GS-4210-16P2S	2
GS-4210-24T2S GS-4210-24P2S	2
GS-4210-16P4C GS-4210-24P4C GS-4210-24PL4C GS-4210-24T4S GS-4210-24T4SR GS-4210-48T4S GS-4210-48P4S	4

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

2. Requirements

- The Managed Switch provides local and remote login interface for management purposes. The following equipment is necessary for further management:

- **Workstations** running Windows 7/8/10/11, macOS 10.12 or later, Linux Kernel 2.6.18 or later, or other modern operating systems 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-RS-232 converter.

  ➢ The above Workstations have been installed with **terminal emulator**, such as Hyper Terminal included in Windows XP/2003, putty or tera term.

  ➢ Serial cable -- one end is attached to the RS-232 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.

	It is recommended to use Google Chrome, Microsoft Edge or Firefox 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.
Note	

3. Terminal Setup

To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer while the other end to RJ45 console port of the Managed Switch.
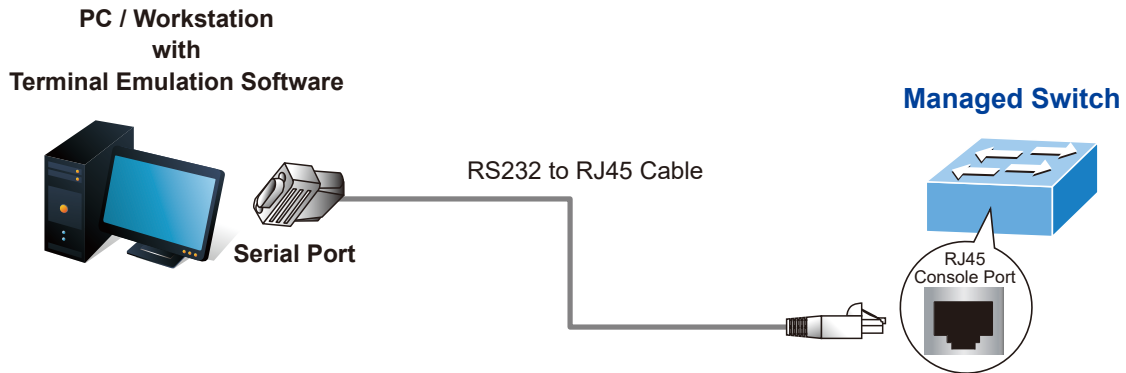

Figure 3-1: Managed Switch Console Connectivity

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:

   ◆ Baud: 115200

   ◆ Data bits: 8

   ◆ Parity: None

   ◆ Stop bits: 1

   ◆ Flow control: None
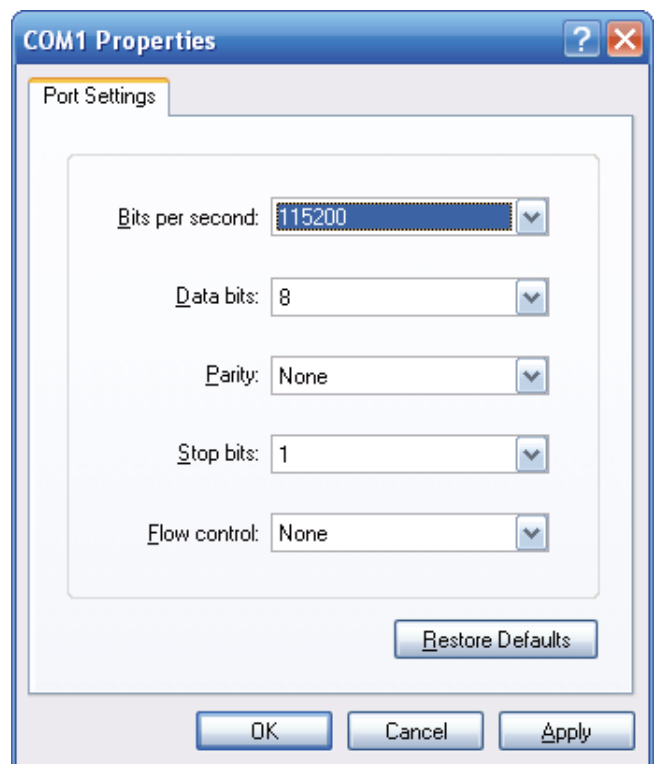
Figure 3-2: COM Port Configuration

3.1 Logging on to the Console

Once the terminal is connected to the device, power on the Managed Switch and the terminal will **run self testing procedures**. Then, the following message asks to log in user name and password. The factory default user name and password are shown as follows and the login screen in Figure 3-3 appears.

Note	1. The following console screen is based on the firmware version before **February of 2024**. 2. The following console screen based on the GS-4210-24T4S is the same as those of the GS-4210 series.

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

```
Press any key to continue
Username: admin
Password: *****
GS-4210-24T4S#
```

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. 2. Only accept command in lowercase letter under console interface.

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

> 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" or "mc" followed by the last six lowercase characters of the MAC ID.
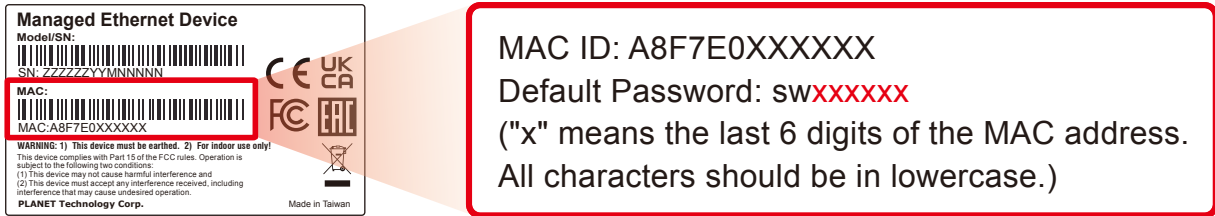

Figure 3-4: Managed Switch MAC ID Label

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 CLI.
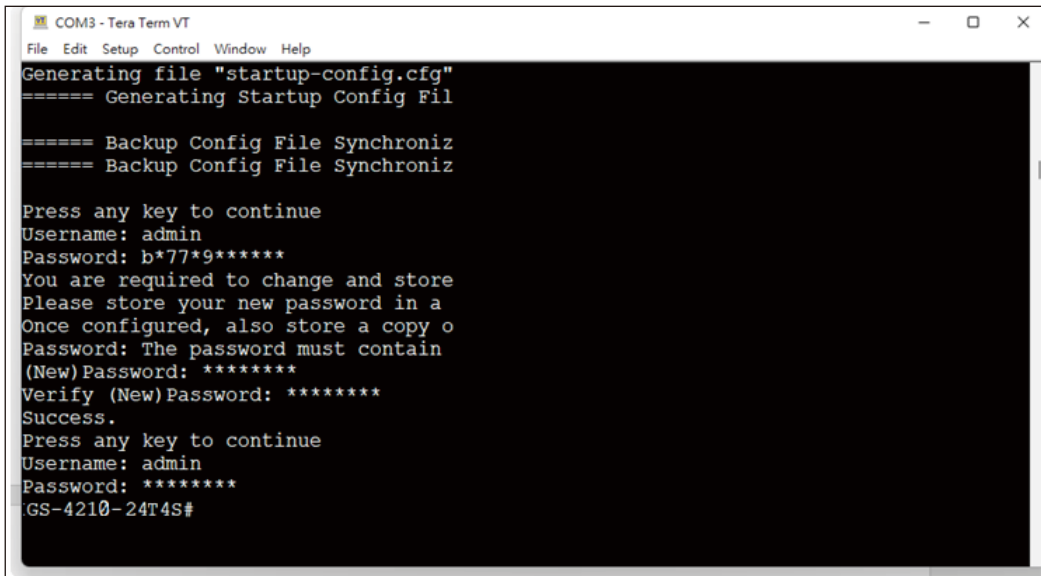

Figure 3-5: Create a New Password and Login Again

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

3.2 Configuring IP Address via the Console

The Managed Switch is shipped with default IP address as 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 Managed Switch, please use the procedures as follows:

■ **Display of the current IP address**

1. On **"GS-4210-24T4S#"** prompt, enter **"show ip"**.

2. The screen displays the current IP address, subnet mask and gateway shown in Figure 3-6.

```
Press any key to continue
Username: admin
Password: *****
GS-4210-24T4S# show ip
IP Address: 192.168.0.100
Subnet Netmask: 255.255.255.0
Default Gateway: 192.168.0.254
GS-4210-24T4S#
```

Figure 3-6: IP Information Screen

■ **Configuration of the IP address**

3. On **"GS-4210-24T4S#"** prompt, enter **"configure"**.

4. On **"GS-4210-24T4S (config)#"** prompt, enter the following command and press **<Enter>** as shown in Figure 3-7.

GS-4210-24T4S (config)# **ip address 192.168.1.100 mask 255.255.255.0**
GS-4210-24T4S (config)# **ip default-gateway 192.168.1.254**

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

IP Address: 192.168.1.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.254

```
Press any key to continue
Username: admin
Password: *****
GS-4210-24T4S# configure
GS-4210-24T4S(config)# ip address 192.168.1.100 mask 255.255.255.0
GS-4210-24T4S(config)# ip default-gateway 192.168.1.254
GS-4210-24T4S(config)#
```

Figure 3-7: Setting IP Address Screen

5. 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 Managed Switch through the new IP address.

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

3.3 Storing Current Switch Configuration

In switches, the running configuration file is stored in the RAM. In the current version, the running configuration sequence can be saved from the RAM to FLASH by **saving** command or **copying running-config startup-config** command, so that the running configuration sequence becomes the startup configuration file, which is called configuration save.

1. On **"GS-4210-24T4S #"** prompt, enter **"copy running-config startup-config"** as shown in Figure 3-8.

```
Press any key to continue
Username: admin
Password: *****
GS-4210-24T4S# copy running-config startup-config
Success
GS-4210-24T4S#
```

Figure 3-6: Saving the Configuration Screen

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.
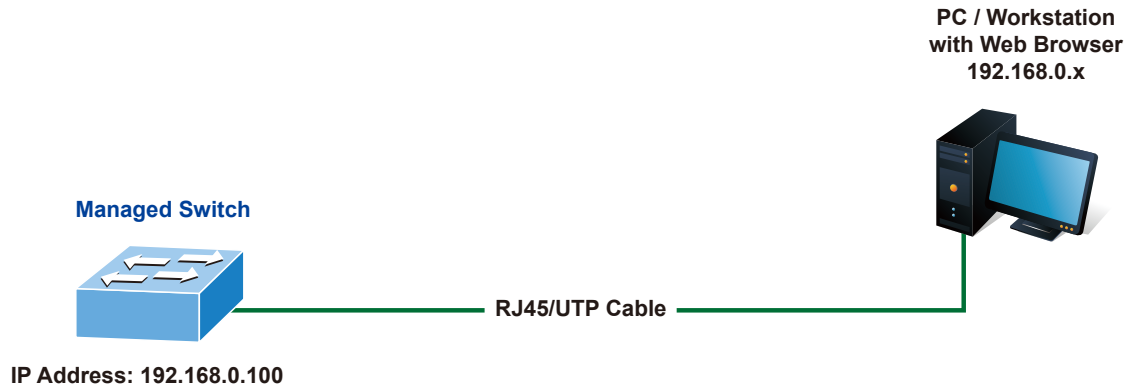
**PC / Workstation
with Web Browser
192.168.0.x**

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 98.0.xxx or above Web browser and enter IP address ***https://192.168.0.100*** to access the Web interface.

Note	The following web screen is based on the firmware version before **February of 2024**.

Note	1. The following web screen based on the GS-4210-24T4S is the same as those of the GS-4210 series.
	2. The PoE function is only available for GS-4210-8P2C, GS-4210-8P2S, GS-4210-16P2S, GS-4210-16P4C, GS-4210-24P2S, GS-4210-24P4C, GS-4210-24PL4C and GS-4210-48P4S.

2. When the following dialog box appears, please enter the default user name and password **"admin"**. The login screen in Figure 4-2 appears.

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

Figure 4-2: Web Login Screen

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

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

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

Default IP Address: 1**92.168.0.100**
Default User Name: **admin**
Default Password: **sw + the last 6 characters of the MAC ID in lowercase**

5. 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.
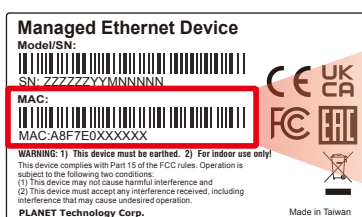
Figure 4-3: Industrial Managed Switch MAC ID Label

Figure 4-4: Login Screen

6. After logging in, you will be prompted to change the initial password to a permanent one.
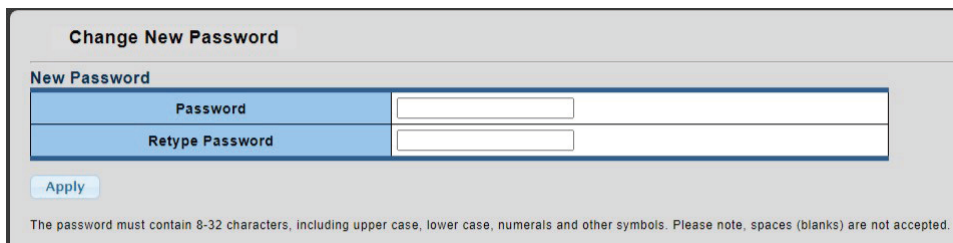
Figure 4-5: Create a New Password

7. 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.

Figure 4-6: Web Main Screen of Managed Switch

The Switch Menu on the left of the Web page lets you access all the commands and statistics the Managed Switch provides.

Figure 4-7: Switch Menu

Now, you can use the Web management interface to continue the switch management. Please refer to the user's manual for more.

4.2 Saving Configuration via the Web

Save all applied changes and set the current configuration as a startup configuration. The startup-configuration file will be loaded automatically across a system reboot.

1. Click **"SAVE > Save Configurations to FLASH"** to log in "Configuration Manager" Page.
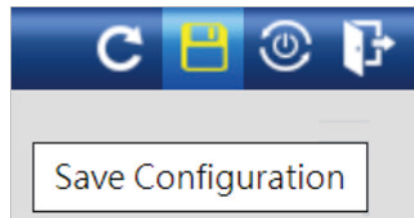
2. Press the **"Apply"** button to save running configuration as startup configuration.

5. Recovering Back to Default Configuration

To reset the IP address to the default IP Address **"192.168.0.100"** and the user name password to factory default mode (default password is admin or sw + the last 6 characters of the MAC ID in lowercase), press the hardware-based reset button on the side 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.
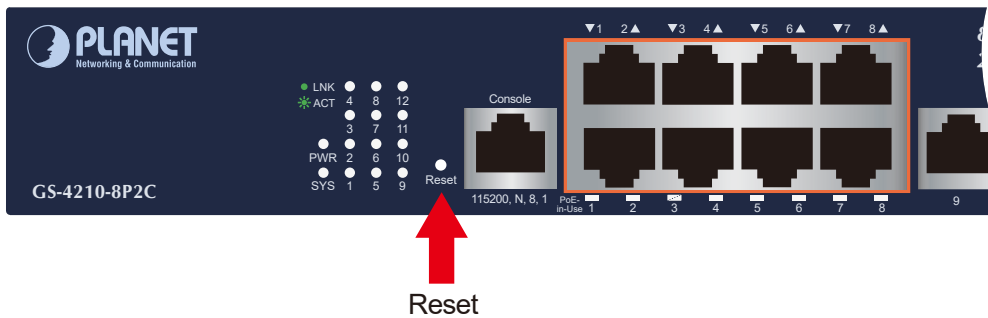
Figure 5-1: GS-4210-8P2C Reset Button
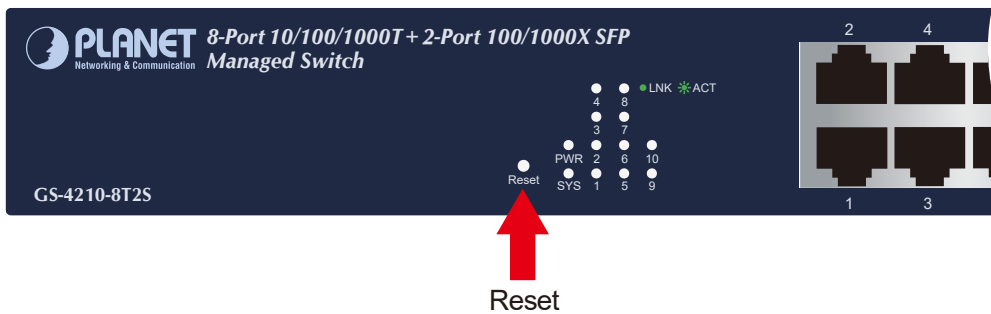
Figure 5-2: GS-4210-8T2S Reset Button
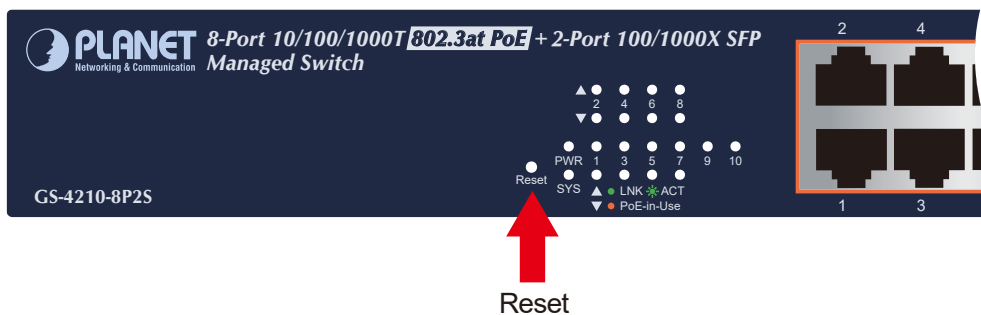
Figure 5-3: GS-4210-8P2S Reset Button
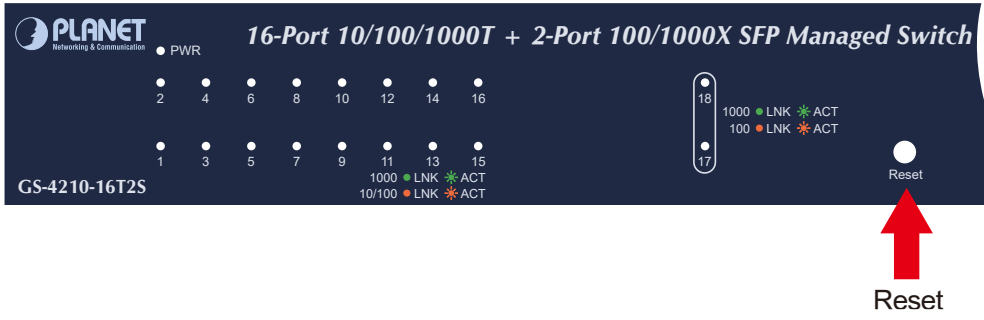
Figure 5-4: GS-4210-16T2S Reset Button
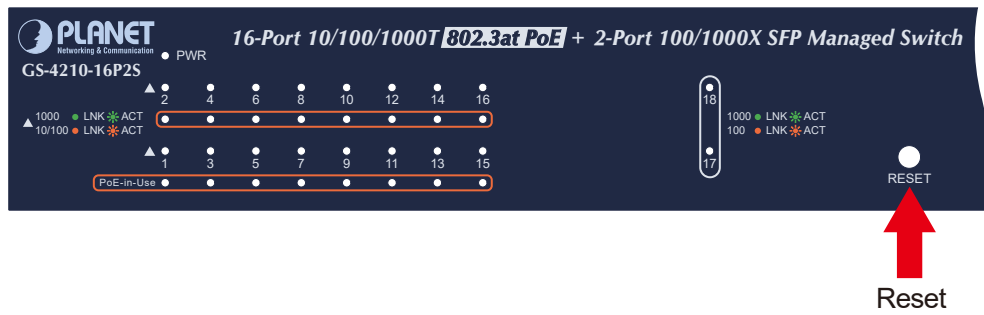
Figure 5-5: GS-4210-16P2S Reset Button
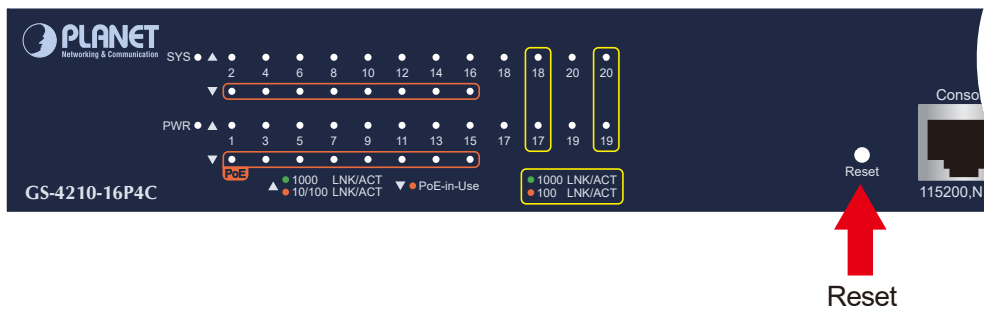
Figure 5-6: GS-4210-16P4C Reset Button
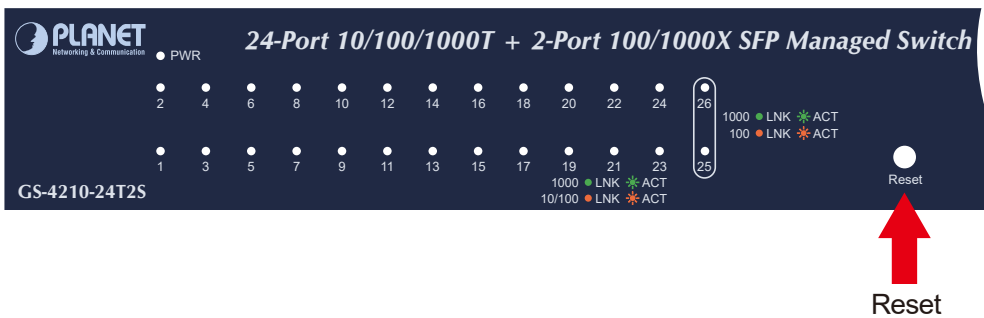
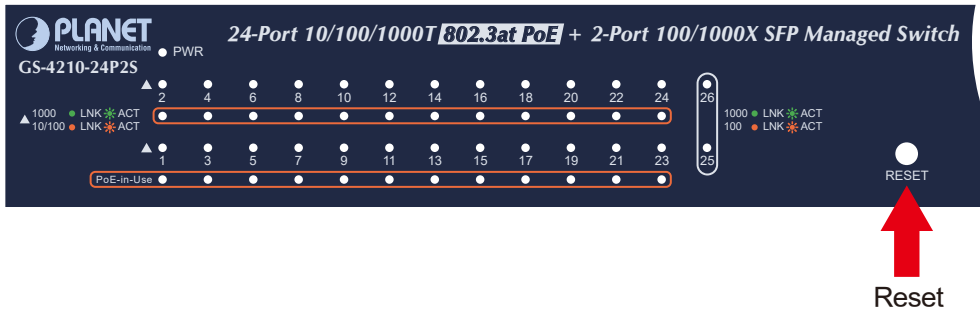**Figure 5-7:** GS-4210-24T2S Reset Button

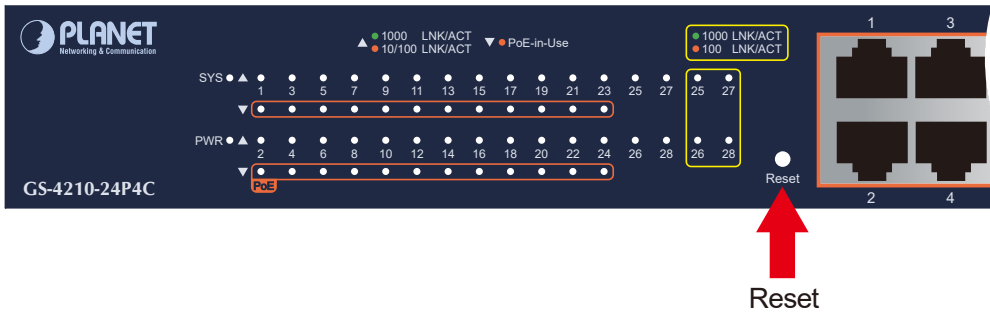**Figure 5-8:** GS-4210-24P2S Reset Button

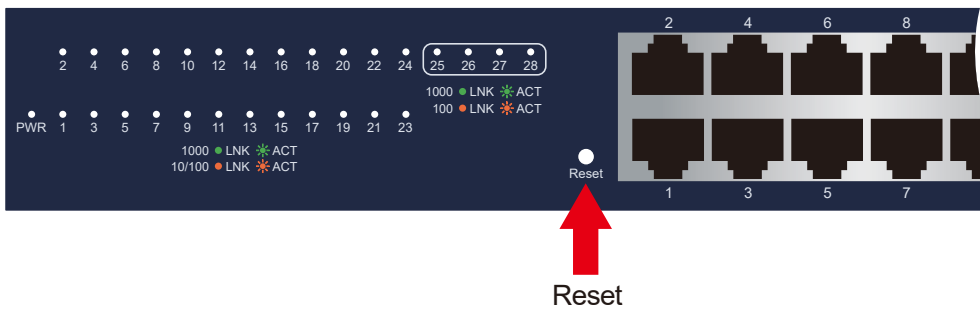**Figure 5-9:** GS-4210-24P4C/GS-4210-24PL4C Reset Button

Figure 5-10: GS-4210-24T4S/GS-4210-24T4SR Reset Button
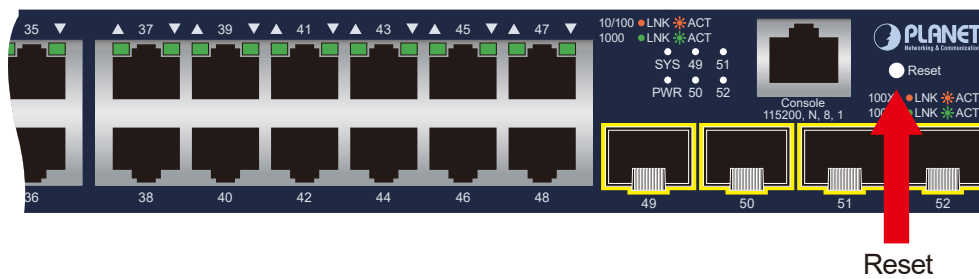

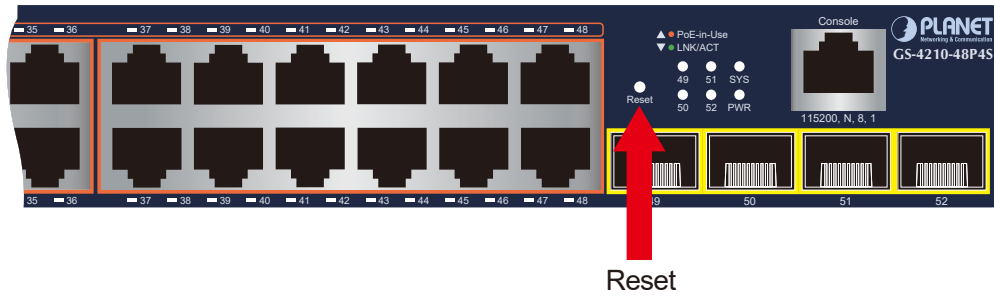**Figure 5-11:** GS-4210-48T4S Reset Button

Figure 5-12: GS-4210-48P4S Reset Button

6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ 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.

ANET online FAQs:
http://www.planet.com.tw/en/support/faq

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

GS-4210 Series User's Manual:
https://www.planet.com.tw/en/support/downloads?&method=keyword&keyword=GS-4210&view=3#list