



PLANET Technology GS-5220 802.3bt PoE++ Series Managed Switch User Guide

[Home](#) » [Planet Technology](#) » PLANET Technology GS-5220 802.3bt PoE++ Series Managed Switch User Guide



Contents

- [1 PLANET Technology GS-5220 802.3bt PoE++ Series Managed Switch](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Package Contents](#)
- [5 Requirements](#)
- [6 Terminal Setup](#)
- [7 Starting Web Management](#)
- [8 Recovering Back to Default Configuration](#)
- [9 Customer Support](#)
- [10 Documents / Resources](#)



PLANET Technology GS-5220 802.3bt PoE++ Series Managed Switch



Product Information

Model Name	Gigabit RJ45 Ports	Gigabit SFP Slots	10G SFP+ Slots	PoE Budget	Redundant Power System
GS-5220-16UP4S 2X	16	4	2	400W	No
GS-5220-16UP4S 2XR	16	4	2	400W	Yes
GS-5220-24UP4X	24	4 combo	4	400W	No
GS-5220-24UP4XR	24	4 combo	4	400W	Yes
GS-5220-24UPL4X	24	4 combo	4	600W	No
GS-5220-24UPL4XR	24	4 combo	4	600W	Yes

Product Usage Instructions

Package Contents

Thank you for purchasing PLANET L3 16-/24-Port Gigabit 802.3bt PoE + 2-/4-Port 10G SFP+ Managed Switch. The package should contain the following items:

- The Managed PoE Switch
- Quick Installation Guide
- RJ45 to RS232 Cable
- Rubber Feet
- Two Rack-mounting Brackets with Attachment Screws
- Power Cord
- SFP Dust-proof Caps (quantity varies based on the model)

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

Requirements

- The Managed PoE Switch is compatible with workstations running Windows XP/2003/2008/2012/Vista/7/8/10, MAC OS X or later, Linux, UNIX, or other platforms that support TCP/IP protocols.
- The workstations must have an Ethernet NIC (Network Interface Card) installed. For serial port connection, the workstations should have a COM Port (DB9) or USB-to-RS232 converter.
- The workstations must also have a terminal emulator installed, such as Hyper Terminal included in Windows XP/2003. A serial cable is required to connect the RS232 serial port of the workstation to the console port of the Managed PoE Switch.
- For Ethernet port connection, standard network (UTP) cables with RJ45 connectors should be used. The workstation must have a web browser installed.
- Note: It is recommended to use Internet Explorer 8.0 or above to access the Managed PoE Switch. If the web interface is not accessible, please turn off any anti-virus software or firewall and try again.

Terminal Setup

To configure the system, follow these steps:

1. Connect a serial cable from a COM port on a PC or notebook computer to the RJ45 console port of the Managed PoE Switch.
2. Make sure the PC or workstation has a terminal emulation software installed.
3. Configure the COM port settings as follows:

Baud	Data bits	Parity	Stop bits	Flow control
115200	8	None	1	None

Package Contents

Thank you for purchasing PLANET L3 16-/24-Port Gigabit 802.3bt PoE + 2-/4-Port 10G SFP+ Managed Switch. The descriptions of this series are shown below:

Model Name	Gigabit RJ45 Ports	Gigabit SFP Slots	10G SFP+ Slots	PoE Budget	Redundant Power System
GS-5220-16UP4S2X	16	4	2	400W	–
GS-5220-16UP4S2XR	16	4	2	400W	Yes
GS-5220-24UP4X	24	4 combo	4	400W	
GS-5220-24UP4XR	24	4 combo	4	400W	Yes
GS-5220-24UPL4X	24	4 combo	4	600W	
GS-5220-24UPL4XR	24	4 combo	4	600W	Yes

“Managed PoE Switch” is used as an alternative name in this Quick Installation Guide.

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

- The Managed PoE Switch
- Quick Installation Guide
- RJ45 to RS232 Cable
- Rubber Feet
- Two Rack-mounting Brackets with Attachment Screws
- Power Cord
- SFP Dust-proof Caps

Model	SFP Dust-proof Caps
GS-5220-16UP4S2X	6
GS-5220-16UP4S2XR	6
GS-5220-24UP4X	8
GS-5220-24UP4XR	8
GS-5220-24UPL4X	8
GS-5220-24UPL4XR	8

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

Requirements

- Workstations running Windows XP/2003/2008/2012/Vista/7/8/10, MAC OS X or later, Linux, UNIX, or other platforms 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 Hyper Terminal included in Windows XP/2003.
- Serial cable — one end is attached to the RS232 serial port, while the other end to the console port of the Managed PoE Switch.

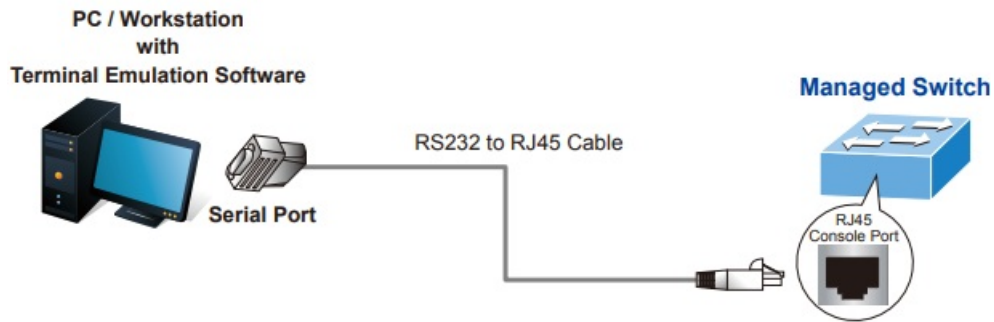
Ethernet Port Connection

- Network cables — Use standard network (UTP) cables with RJ45 connectors
- The above PC is installed with Web

It is recommended to use Internet Explorer 8.0 or above to access the Managed PoE Switch. If the Web interface of the Managed PoE Switch is not accessible, please turn off the anti-virus software or firewall and then try it again.

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 PoE Switch.



A terminal program is required to make the software connection to the Managed PoE 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

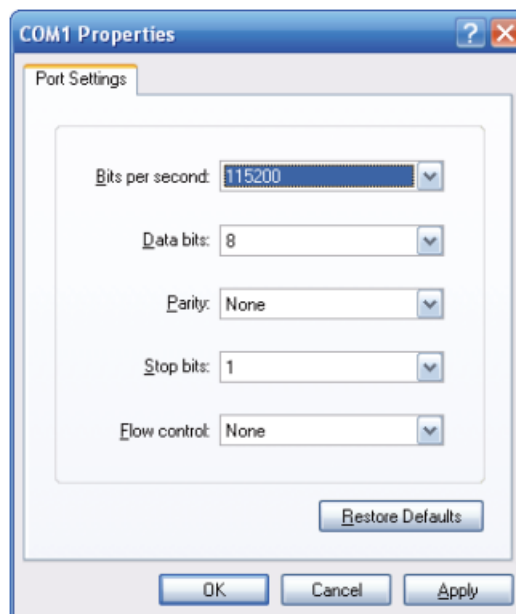


Figure 3-2: COM Port Configuration

Logging on to Console

Once the terminal is connected to the device, power on the Managed PoE Switch, and the terminal will display “running 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.

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

```
Press ENTER to get started
Username: admin
Password:
GS-5220-16UP4S2X#
```

Figure 3-3: Managed PoE Switch Console Login Screen

The user can now enter commands to manage the Managed PoE 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 pass-word after this first setup.
2. Only accept command in lowercase letter under console inter-face.

Configuring IP Address

The Managed PoE 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 3-4.

```
GS-5220-16UP4S2X# show ip interface brief
Interface          Address                Method    Status
-----
VLAN 1             192.168.0.100/24      Manual    DOWN
GS-5220-16UP4S2X#
```

Figure 3-4: IP Information Screen

Configuring IP Address

3. At the “#” prompt, enter the following command and press <Enter> as shown in Figure 3-5.

```
GS-5220 802.3bt PoE Series# configure terminal
```

```
GS-5220 802.3bt PoE Series(config)# interface vlan 1
```

```
GS-5220 802.3bt PoE Series(config-if-vlan)# ip address 192.168.1.100
```

```
255.255.255.0
```

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

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

```
GS-5220-16UP4S2X# configure terminal
GS-5220-16UP4S2X(config)# interface vlan 1
GS-5220-16UP4S2X(config-if-vlan)# ip address 192.168.1.100 255.255.255.0
GS-5220-16UP4S2X(config-if-vlan)#
```

Figure 3-5: Configuring IP Address Screen

4. Repeat step 1 to check if the IP address has changed. **Store current switch configuration**
5. At the “#” prompt, enter the following command and press <Enter>.

copy running-config startup-config

```
GS-5220-16UP4S2X# copy running-config startup-config
Building configuration...
% Saving 3165 bytes to flash:startup-config
```

Figure 3-6: Saving Current Configuration Command Screen

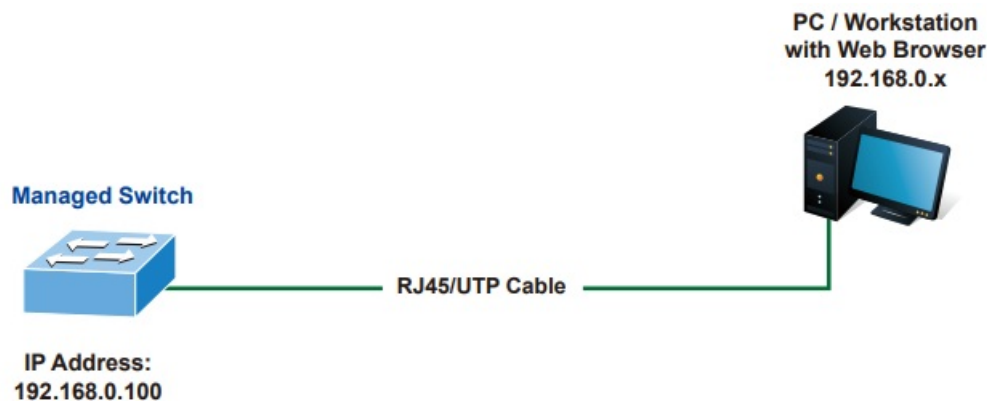
If the IP is successfully configured, the Managed PoE Switch will apply the new IP address setting immediately. You can access the Web interface of the Managed PoE Switch through the new IP address.

Note

If you are not familiar with the console command or the related parameter, enter “help” anytime in console to get the help description.

Starting Web Management

The following shows how to start up the Web Management of the Managed PoE Switch. Note the Managed PoE 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 PoE 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



Logging in to the Managed PoE Switch

1. Use Internet Explorer 8.0 or above Web browser and enter IP address <http://192.168.0.100> (the factory default IP address or the one that you have just changed in console) to access the Web interface.
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.
 1. Default IP Address: 192.168.0.100
 2. Default Username: admin

3. Default Password: admin



Figure 4-2: Login Screen

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



Figure 4-3: Web Main Screen of Managed PoE Switch

4. The Switch Main Menu is shown on top of the Web page, and the functions are shown on the left to configure the Managed Switch.

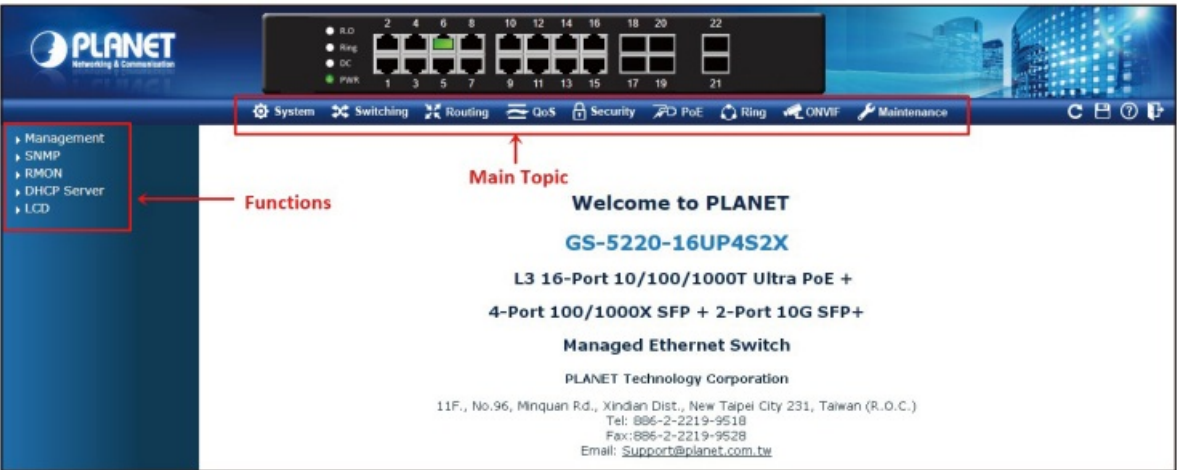


Figure 4-4: Switch Menu

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

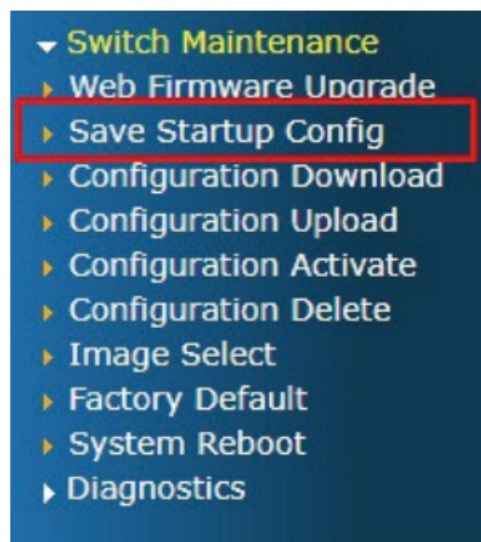
If you are not familiar with Switch functions or the related parameter, press “Help icon” anytime on the Web page to get the help description.

Saving Configuration

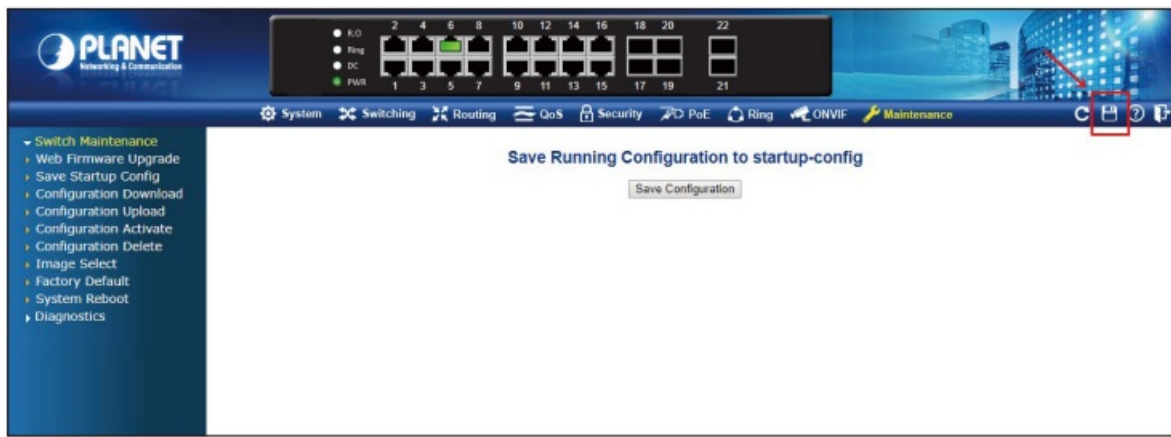
In the Managed PoE Switch, the running configuration file stores in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by executing save startup config command, so that the running configuration sequence becomes the startup configuration file, which is called configuration save.

To 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 Maintenance > Open Switch Maintenance on the left page > Press Save Startup Config.



2. Or you can press the “Save Configuration” button.



3. Press the "Save Configuration" button to save.



Recovering Back 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 rear 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.

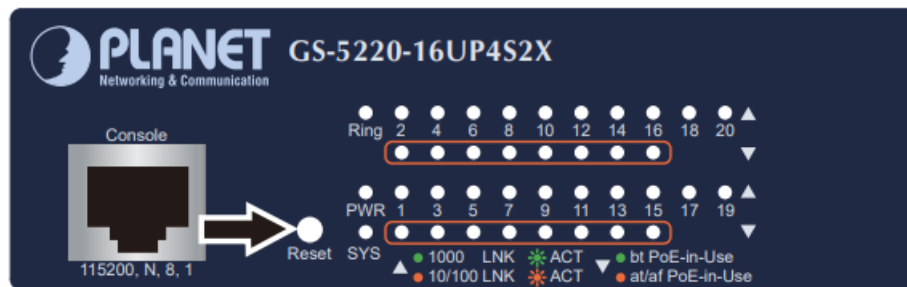


Figure 5-1: GS-5220-16UP4S2X(R) Reset Button

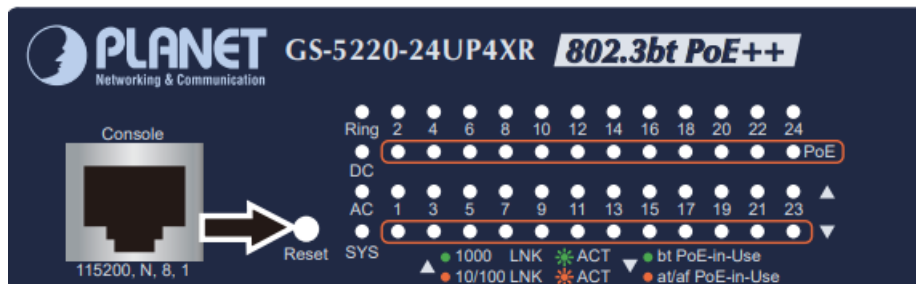


Figure 5-2: GS-5220-24UP4X(R) Reset Button

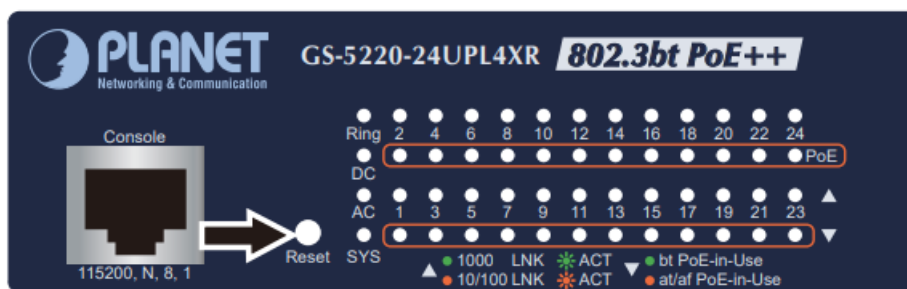


Figure 5-3: GS-5220-24UPL4X(R) Reset Button

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.

PLANET online FAQs:

<http://www.planet.com.tw/en/support/faq.php?type=1>

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

GS-5220 802.3bt PoE Series User's Manual: <https://www.planet.com.tw/en/support/downloads?method=category&c1=lan-switches&p=&type=3>



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

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Documents / Resources

<small>L3 16.25 Port Gigabit 802.3bt PoE • 2.4 Port 802.3bt PoE Managed Switch GS-5220 802.3bt PoE PoE Series Quick Installation Guide</small>	PLANET Technology GS-5220 802.3bt PoE++ Series Managed Switch [pdf] User Guide GS-5220-24UPL4XR, GS-5220 802.3bt, GS-5220 802.3bt PoE Series Managed Switch, 802.3b t PoE Series Managed Switch, Managed Switch, Switch
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