

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

**GS-4210-16T2S/GS-4210-24T2S/GS-4210-48T4S**

Quick Installation Guide

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# 1. Package Contents

Thank you for purchasing PLANET GS-4210 Managed Switch series. The description of this model is shown below:

GS-4210-16T2S	16-Port Layer 2 Managed Gigabit Ethernet Switch w/2 SFP Interfaces
GS-4210-24T2S	24-Port Layer 2 Managed Gigabit Ethernet Switch w/2 SFP Interfaces
GS-4210-48T4S	48-Port Layer 2 Managed Gigabit Ethernet Switch w/4 SFP Interfaces

**“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 GS-4210-16T2S/24T2S/48T4S 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

	SFP Dust-proof Caps
GS-4210-16T2S	2
GS-4210-24T2S	2
GS-4210-48T4S	4

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

## 2. Requirements

- Workstations running Windows XP/2003/Vista/7/8/10/2008/2012, 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-RS-232 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 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 and JAVA runtime environment plug-in.

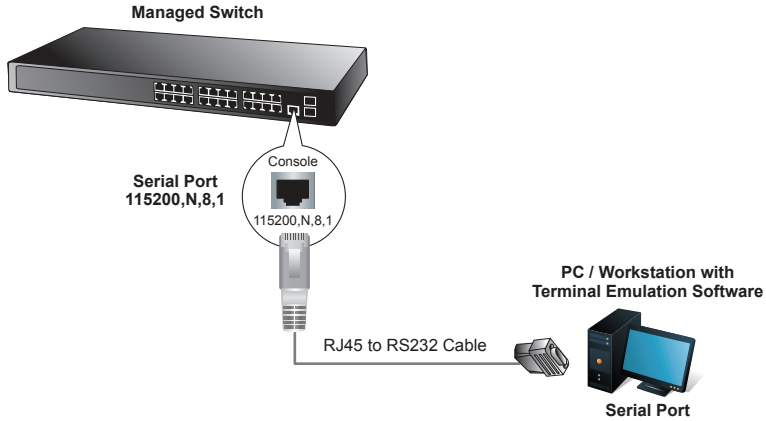


### Note

It is recommended to use Internet Explore 8.0 or above 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 console port of the Managed Switch.

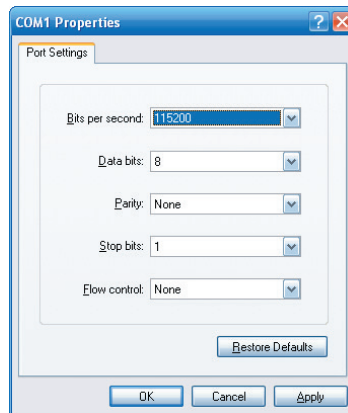


**Figure 3-1:** Managed Switch Console Connectivity

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

## 4. Logon 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 login user name and password. The factory default user name and password are shown as follows and the login screen in Figure 4-1 appears.

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



### Note

The following console screen based on GS-4210-24T2S will be the same as that of GS-4210-16T2S and GS-4210-48T4S.

```
Switch Command Line Interface (Version v1.0b141020)

Press any key to continue
Username: admin
Password: *****
GS-4210-24T2S# _
```

**Figure 4-1:** 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.

## 5. Configuring IP Address via the Console

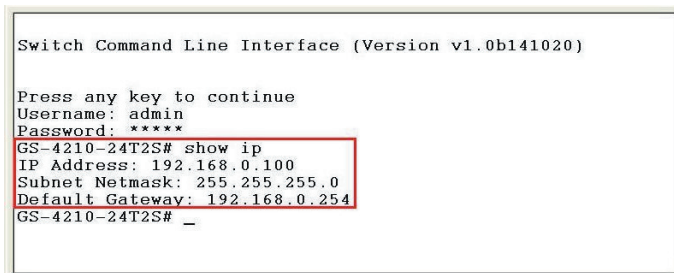
The Managed Switch is shipped with default IP address as follows:

```
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-4210-24T2S#**" prompt, enter "**show ip**".
2. The screen displays the current IP address, Subnet Mask and Gateway shown in Figure 5-1.

A screenshot of a terminal window titled "Switch Command Line Interface (Version v1.0b141020)". The terminal shows the login process with "Press any key to continue", "Username: admin", and "Password: \*\*\*\*". The prompt is "GS-4210-24T2S#". The user enters "show ip", and the output is displayed: "IP Address: 192.168.0.100", "Subnet Netmask: 255.255.255.0", and "Default Gateway: 192.168.0.254". The prompt returns to "GS-4210-24T2S#". A red rectangular box highlights the output lines.

```
Switch Command Line Interface (Version v1.0b141020)  
  
Press any key to continue  
Username: admin  
Password: ****  
GS-4210-24T2S# show ip  
IP Address: 192.168.0.100  
Subnet Netmask: 255.255.255.0  
Default Gateway: 192.168.0.254  
GS-4210-24T2S# _
```

Figure 5-1: IP Information Screen

### ■ Configuration of the IP address

3. On "**GS-4210-24T2S#**" prompt, enter "**configure**".
4. On "**GS-4210-24T2S (config)#**" prompt, enter the following command and press <Enter> as shown in Figure 5-2.

```
GS-4210-24T2S (config)# ip address 192.168.1.100 mask 255.255.255.0  
GS-4210-24T2S (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**

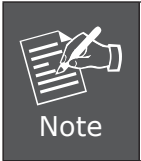
```
Switch Command Line Interface (Version v1.0b141020)

Press any key to continue
Username: admin
Password: *****
GS-4210-24T2S# configure
GS-4210-24T2S(config)# ip address 192.168.1.100 mask 255.255.255.0
GS-4210-24T2S(config)# ip default-gateway 192.168.1.254
GS-4210-24T2S(config)#
```

**Figure 5-2:** Setting IP Address Screen

5. Repeat Step 1 to check if the IP address is 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.



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



## 6. Saving the Configuration via the Console

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

1. On "**GS-4210-24T2S #**" prompt, enter "**copy running-config startup-config**" as shown in Figure 6-1.

```
Switch Command Line Interface (Version v1.0b141020)

Press any key to continue
Username: admin
Password: ****
GS-4210-24T2S# configure
GS-4210-24T2S(config)# ip address 192.168.1.100 mask 255.255.255.0
GS-4210-24T2S(config)# ip default-gateway 192.168.1.254
GS-4210-24T2S(config)# exit
GS-4210-24T2S# copy running-config startup-config
Success
GS-4210-24T2S#
```

Figure 6-1: Saving the Configuration Screen

## 7. 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.

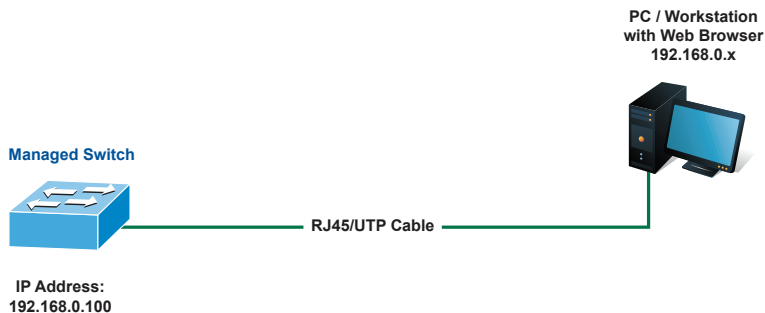


Figure 7-1: IP Management Diagram


### Logging in to the Managed Switch

1. Use Internet Explorer 8.0 or above Web browser and enter IP address **http://192.168.0.100** to access the Web interface.
2. When the following dialog box appears, please enter the default user name and password "**admin**". The login screen in Figure 7-2 appears.

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



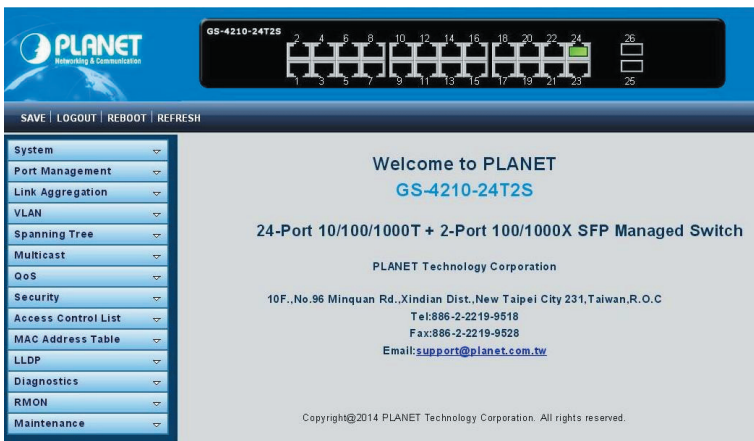
**Figure 7-2:** Web Login Screen



Note

The following web screen based on GS-4210-24T2S will be the same as that of GS-4210-16T2S and GS-4210-48T4S.

3. After entering the password, the main screen appears as Figure 7-3 shows.



**Figure 7-3:** 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.



<b>System</b>	▼
<b>Port Management</b>	▼
<b>Link Aggregation</b>	▼
<b>VLAN</b>	▼
<b>Spanning Tree</b>	▼
<b>Multicast</b>	▼
<b>QoS</b>	▼
<b>Security</b>	▼
<b>Access Control List</b>	▼
<b>MAC Address Table</b>	▼
<b>LLDP</b>	▼
<b>Diagnostics</b>	▼
<b>RMON</b>	▼
<b>Maintenance</b>	▼

**Figure 7-4:** Switch Menu

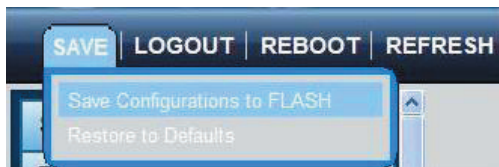
Now, you can use the Web management interface to continue the switch management. Please refer to the user's manual for more.

## 8 Saving Configuration via the Web

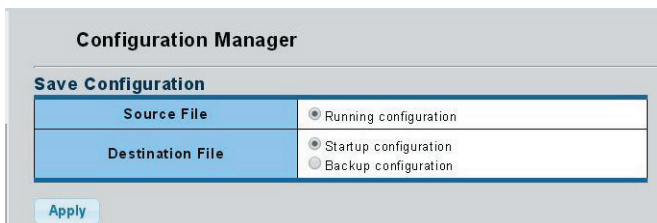
In the Managed Switch, the running configuration file stores in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by **"Save Configurations to FLASH"** function, so that the running configuration sequence becomes the startup configuration 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 **"SAVE > Save Configurations to FLASH"** to login "Configuration Manager" Page.



2. Press the **"Apply"** button to save running configuration to startup configuration.

A screenshot of the "Configuration Manager" page, specifically the "Save Configuration" section. It contains a table with two rows: "Source File" and "Destination File". The "Source File" row has a radio button selected for "Running configuration". The "Destination File" row has radio buttons for "Startup configuration" (selected) and "Backup configuration". Below the table is an "Apply" button.

Save Configuration	
Source File	<input checked="" type="radio"/> Running configuration
Destination File	<input checked="" type="radio"/> Startup configuration <input type="radio"/> Backup configuration

Apply

## 9. 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 **reset button** on the front panel for about **10 seconds**. After the device is rebooted, you can login the Web interface management within the same subnet of 192.168.0.xx.

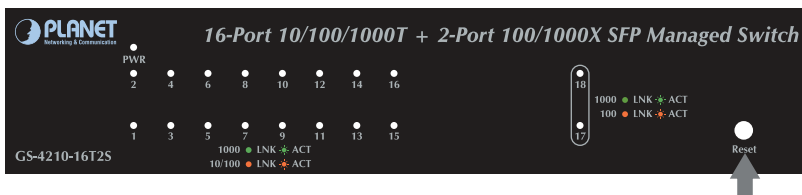


Figure 9-1: GS-4210-16T2S Reset Button

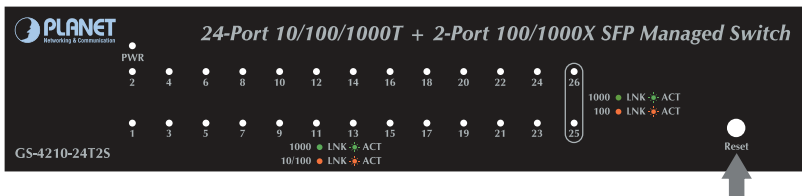


Figure 9-2: GS-4210-24T2S Reset Button

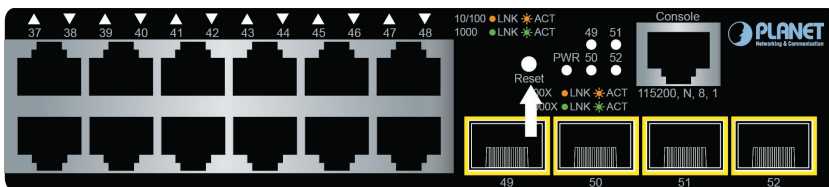


Figure 9-3: GS-4210-48T4S Reset Button

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## 10. 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 FAQ:

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

Switch support team mail address:

[support\\_switch@planet.com.tw](mailto:support_switch@planet.com.tw)

GS-4210 Series User's Manual:

<http://www.planet.com.tw/en/support/download.php?type1=1&model=&type=3>



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