L3 Multiple Gigabit + 2-/4-Port 10G SFP+ Managed Switch

GS-6320 LCD Switch Series

Quick Installation Guide

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1. Package Contents

Thank you for purchasing PLANET L3 Multiple Gigabit + 2-/4-Port 10G SFP+ Managed Switch with LCD. The description of this model is shown below:

Model Name	PoE Ports	10G RJ45	10G SFP+	PoE Budget	Power Input
GS-6320-24UP2T2XV	24-Port 802.3bt	2	2	720W	AC/DC

"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 Cap x 2

If any of these pieces are missing or damaged, please contact your dealer immediately; if possible, retain the carton including the original packing material, and use them again to repack the product in case there is a need to return it to us for repair.

2. Requirements

- Workstations running Windows 7/8/10/11, macOS 10.12 or later, Linux Kernel 2.6.18 or later, 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, putty or Tera Term.

  ➢ 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 browser.

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

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 PoE Switch.
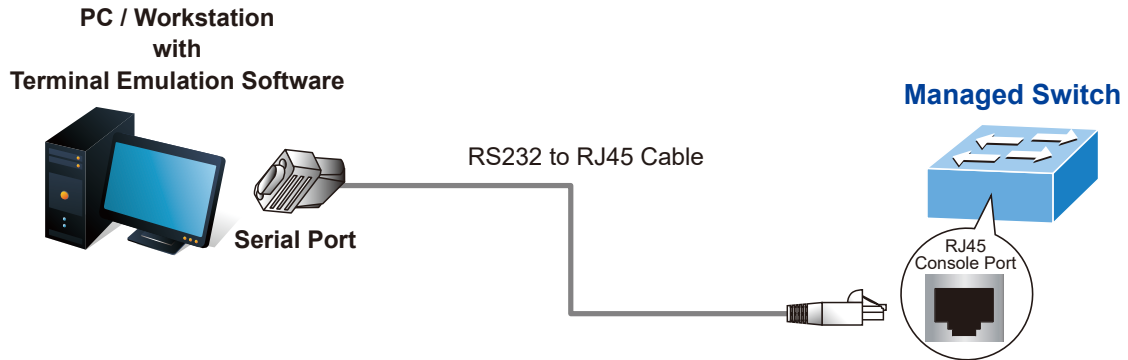

Figure 3-1: Managed PoE Switch Console Connectivity

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

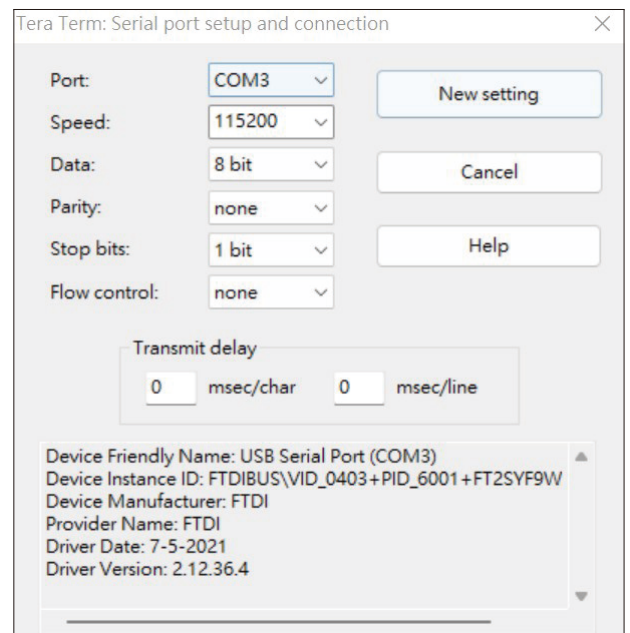   ◆ Flow control: None

Figure 3-2: COM Port Configuration

3.1 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.

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

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

```
Press ENTER to get started

Username: admin
Password:
Switch# ■
```

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 password after this first setup. 2. Only accept command in lowercase letter under console interface.

Default Username: **admin**
Default 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.
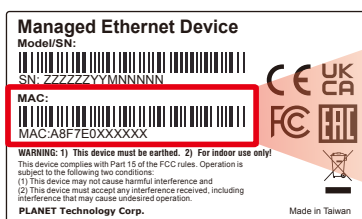
Figure 3-4: MAC ID Label

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.
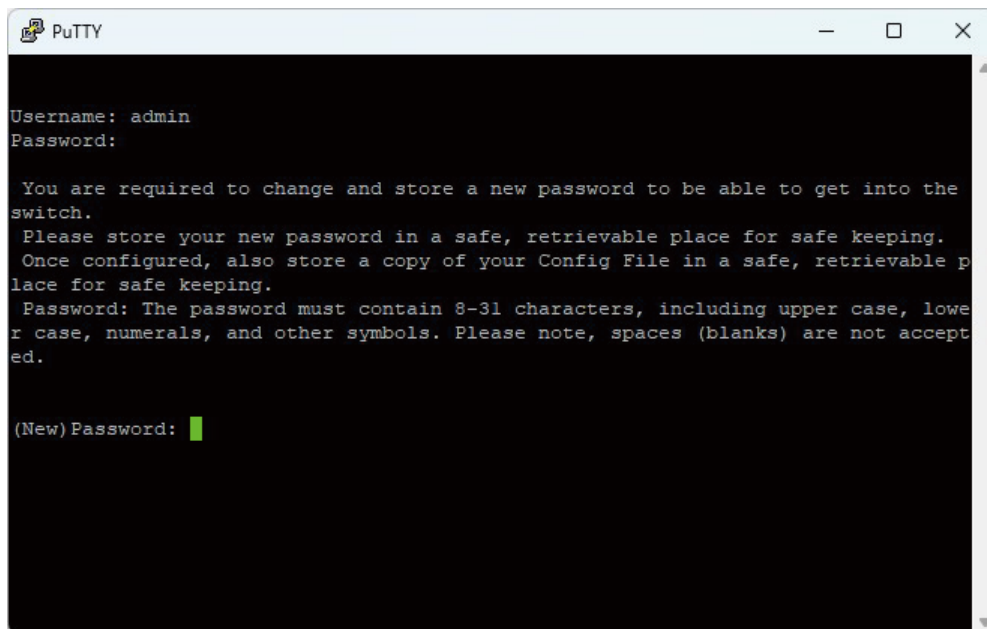

Figure 3-5: Console Login Screen

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.

3.2 Configuring IP Address via Console

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 3-6.

```
Switch#
Switch# show ip interface brief
Interface          Address              Method    Status
---------------    --------------------  --------  ------
VLAN 1             192.168.0.100/24     Manual    UP
Switch#
Switch#
```

Figure 3-6: IP Information Screen

■ Configuring IP Address

3. At the "#" prompt, enter the following command and press **<Enter>** as shown in Figure 3-7.

> Switch# **configure terminal**
> Switch(config)# **interface vlan 1**
> Switch(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**

```
Switch#
Switch# configure terminal
Switch(config)# interface vlan 1
Switch(config-if-vlan)# ip address 192.168.1.100 255.255.255.0
Switch(config-if-vlan)#
```

Figure 3-7: 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**

```
Swtich#
Swtich# copy running-config startup-config
Building configuration...
do not reset or power off the device!
% Saving 4534 bytes to flash:startup-config
Swtich#
```

Figure 3-8: 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. |

4. 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.
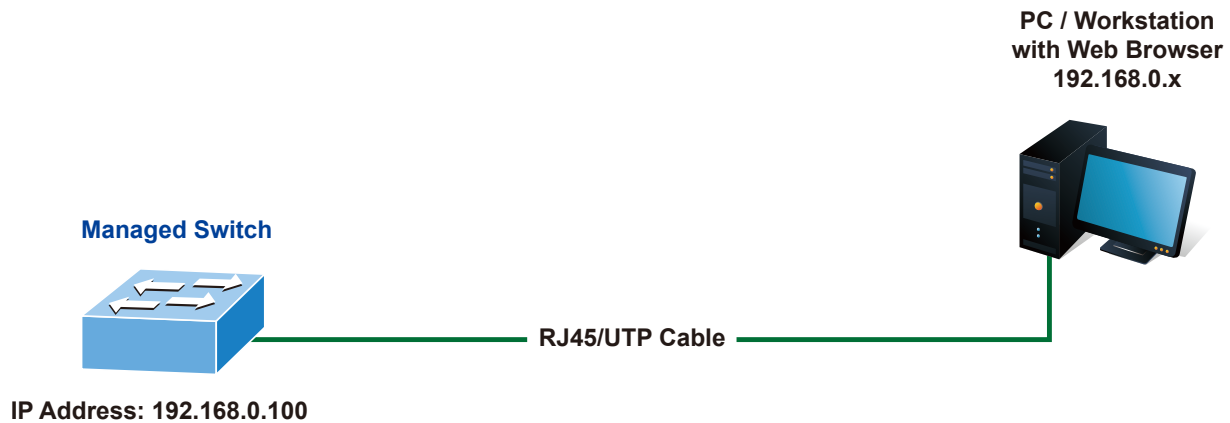

Figure 4-1: IP Management Diagram

4.1 Logging in to the Managed PoE Switch

1. Use Chrome 98.0.xx or above 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.

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

<table>
<tr><td>Note</td><td>The following step is based on the firmware version before **May of 2024**.</td></tr>
</table>

2.1 When the login dialog appears, please enter the default username and password.

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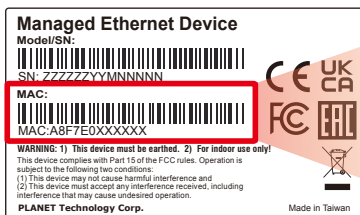Default Username: **admin**
Default Password: **admin**

<table>
<tr><td>Note</td><td>The following web screen is based on the firmware version of **May of 2024 or after**.</td></tr>
</table>

2.2 When the login dialog box appears, please enter the default user name **"admin"** and password.

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

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: swxxxxxx
("x" means the last 6 digits of the MAC address.
All characters should be in lowercase.)

Figure 4-3: MAC ID Label

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

Figure 4-4: Change Password Screen

| Note | If you have already changed the password via console or web login, please use this new password to log in and skip steps 2.2 and 2.3. |

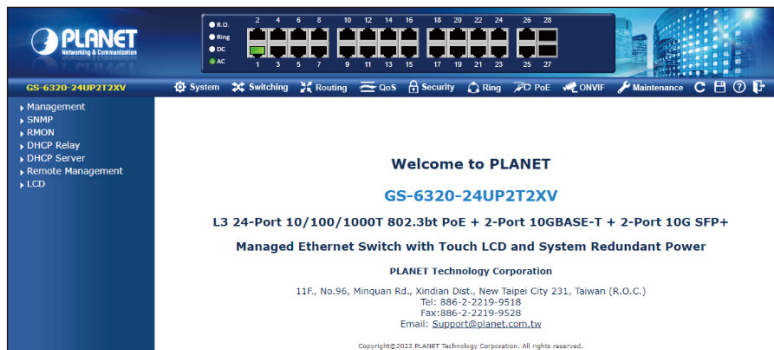3. After entering the password, the main screen appears as Figure 4-5 shows.

Figure 4-5: Web Main Screen of Managed PoE Switch

4. The Switch Menu on the top left of the Web page lets you access all the commands and statistics the Managed PoE Switch provides.
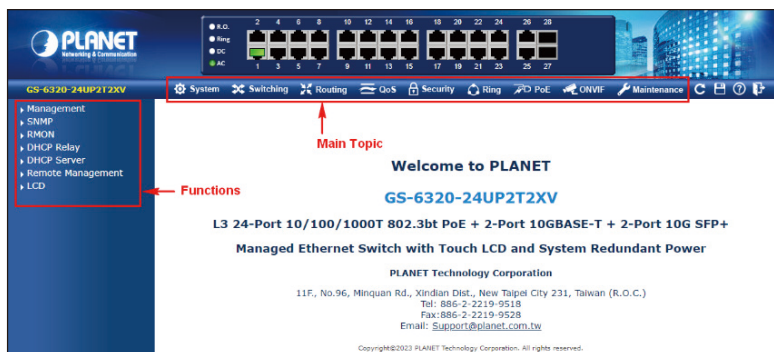
Figure 4-6: Switch Menu

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

<table>
<tr>
<td>Note</td>
<td>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.</td>
</tr>
</table>

4.2 Saving Configuration via Web

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*.
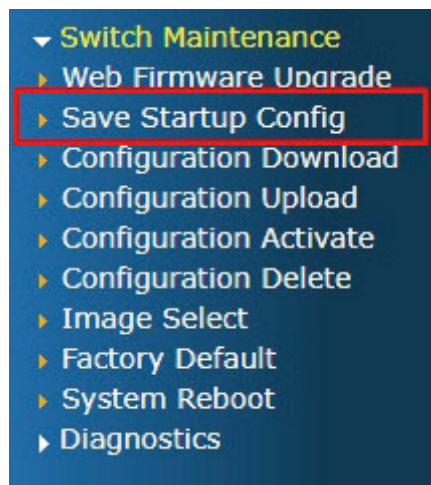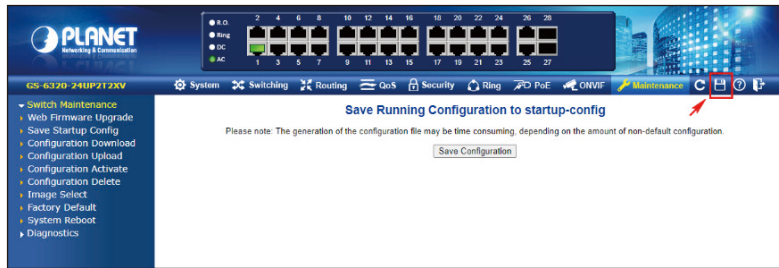
2. Or you can press the **"Save Configuration"** button.

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

5. 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.
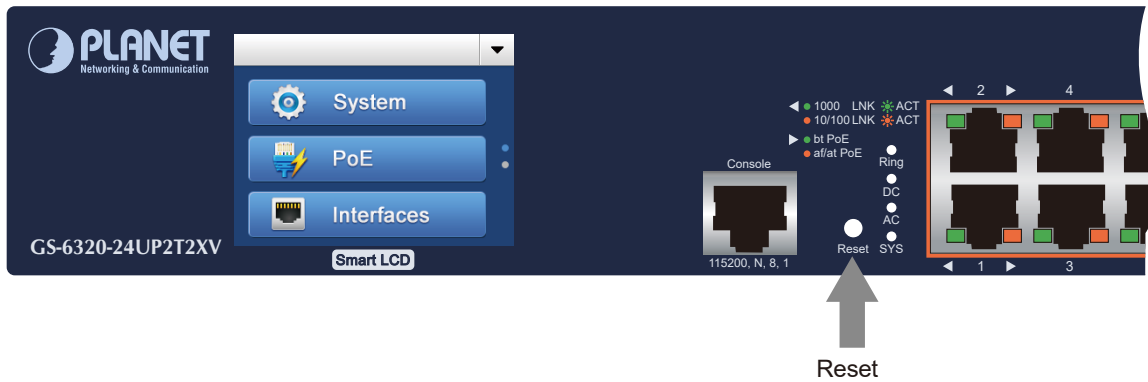
Figure 5-1: LCD Series Reset Button

6. LCD Touch Screen

The Managed PoE Switch has a 2.4-inch color LCD touch screen with management functions. Tap the LCD touch screen to wake the LCD touch screen.
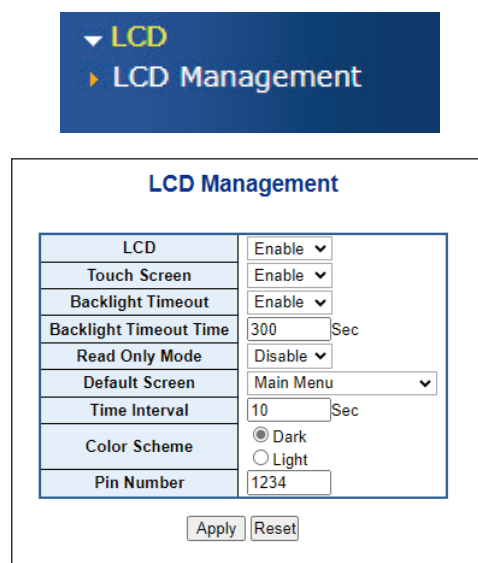

Figure 6-1: Waking the LCD Touch Screen

The factory default LCD configurations are shown as follows.

Default LCD: **Enable**
Default Touch Screen: **Enable**
Default Backlight Timeout: **Enable**
Default Backlight Timeout Time: **300**
Default Read Only Mode: **Disable**
Default Screen: **Main Menu**
Default Time Interval: **10**
Default Color Scheme: **Dark**
Default Pin Number: **1234**

You can use the Web management interface and click LCD, and then LCD Management to change the LCD configuration.

Please refer to the user's manual for more.

7. 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:
https://www.planet.com.tw/en/support/faq

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

GS-6320 LCD Series User's Manual:
https://www.planet.com.tw/en/support/downloads?&method=keyword&keyword=GS-6320&view=3#list

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