GV-APOE2412

Contents

GV-APOE2412

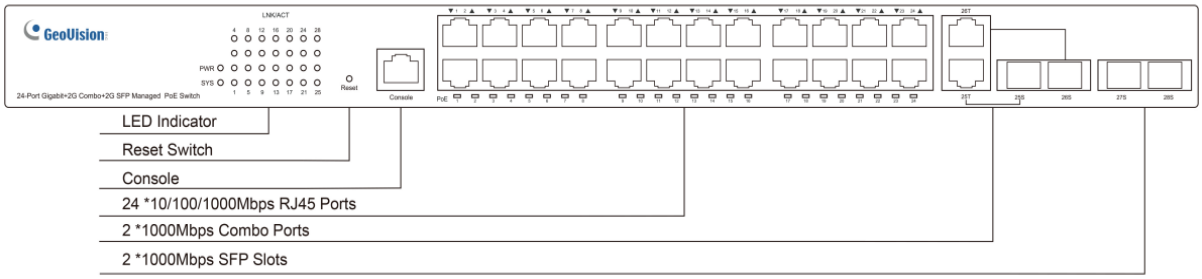
24-Port Gigabit L2+ Web Management PoE Switch

Packing List

1. GV-APOE2412
2. User Guide
3. Download Page
4. Power Cord
5. Screw x 8
6. Rack Mount Kit x 2
7. Rubber Feet x 4

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Front Panel



IMPORTANT:

1. The 2 SFP ports labeled 25S ~ 26S are associated with the 2 RJ-45 ports labeled 25T ~ 26T respectively. When one of the two associated ports is used, the other port will not work. For example, if the Gigabit SFP port labeled 25S is used, the Gigabit RJ-45 port labeled 25T will not function.
2. The Console port is used to connect to the serial port of a computer or other terminal device for debugging only.

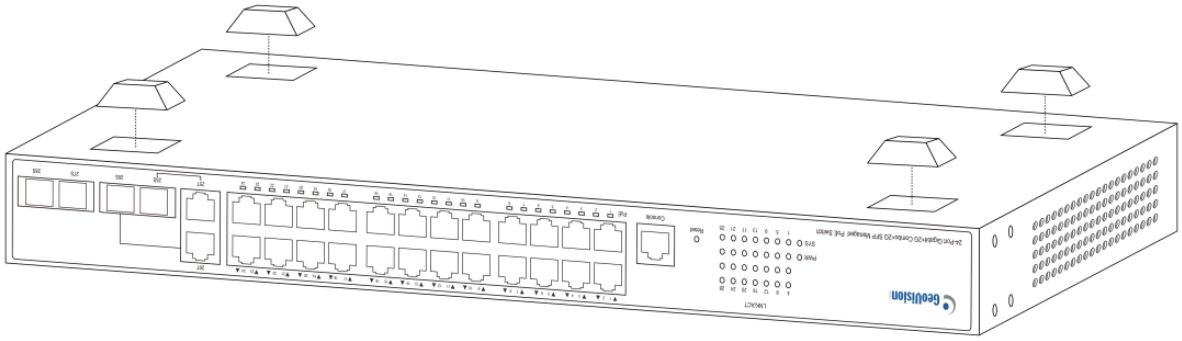
LED Indicator

LED	Color/Status	Description
PWR	Green	Off: Switch is not powered on.
		On: Switch is powered on.
SYS	Green	Off: System is starting or has no power.
		Blinking: System is operating.
LNK/ACT	Green	Off: No network connection.
		On: A 10/100/1000 Mbps network device is connected.
		Blinking: Data transmission in progress.
PoE	Orange	Off: No PoE powered device (PD) is connected.
		On: A PoE PD is connected and receiving power.

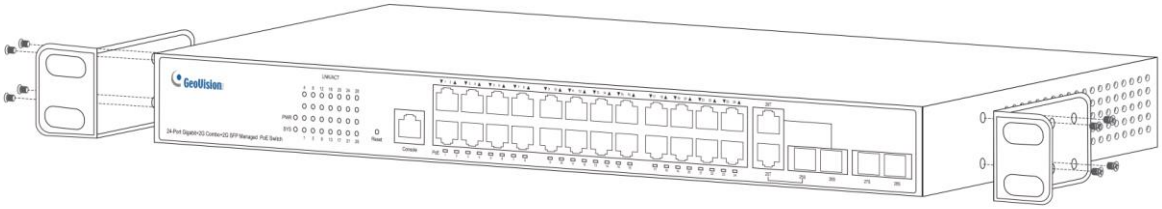
Rear Panel

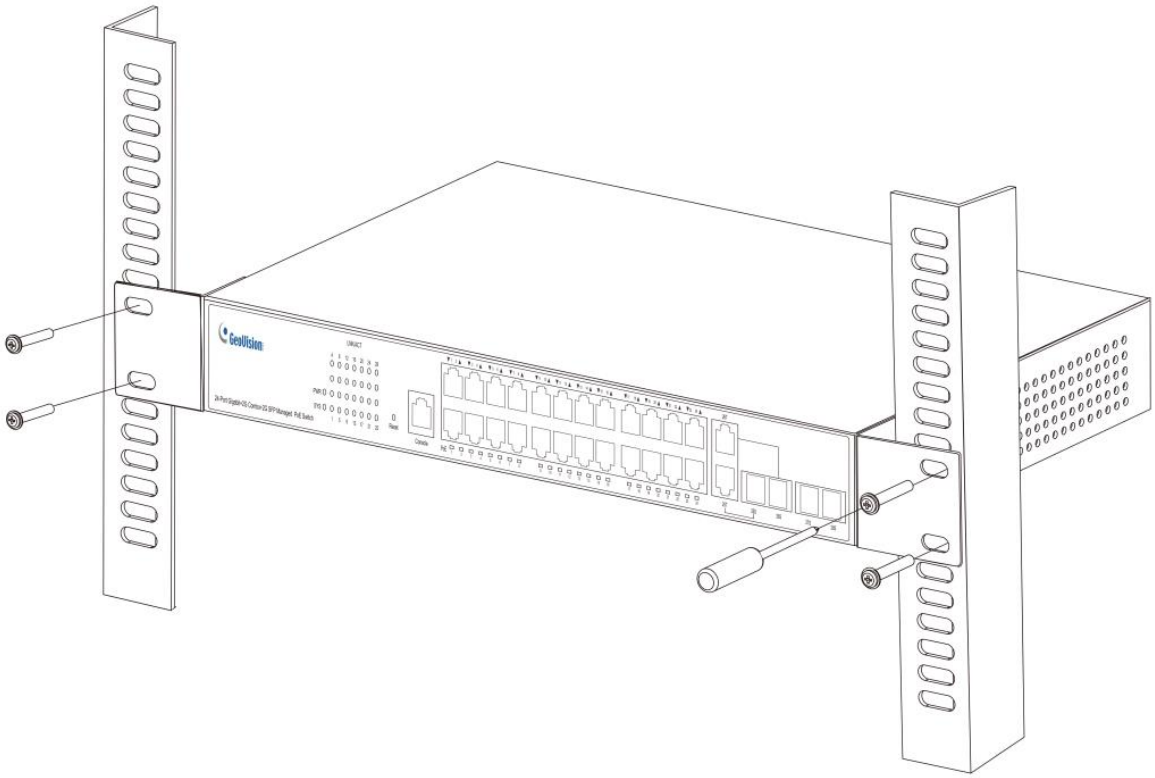
Mount Installation

Leveled Installation



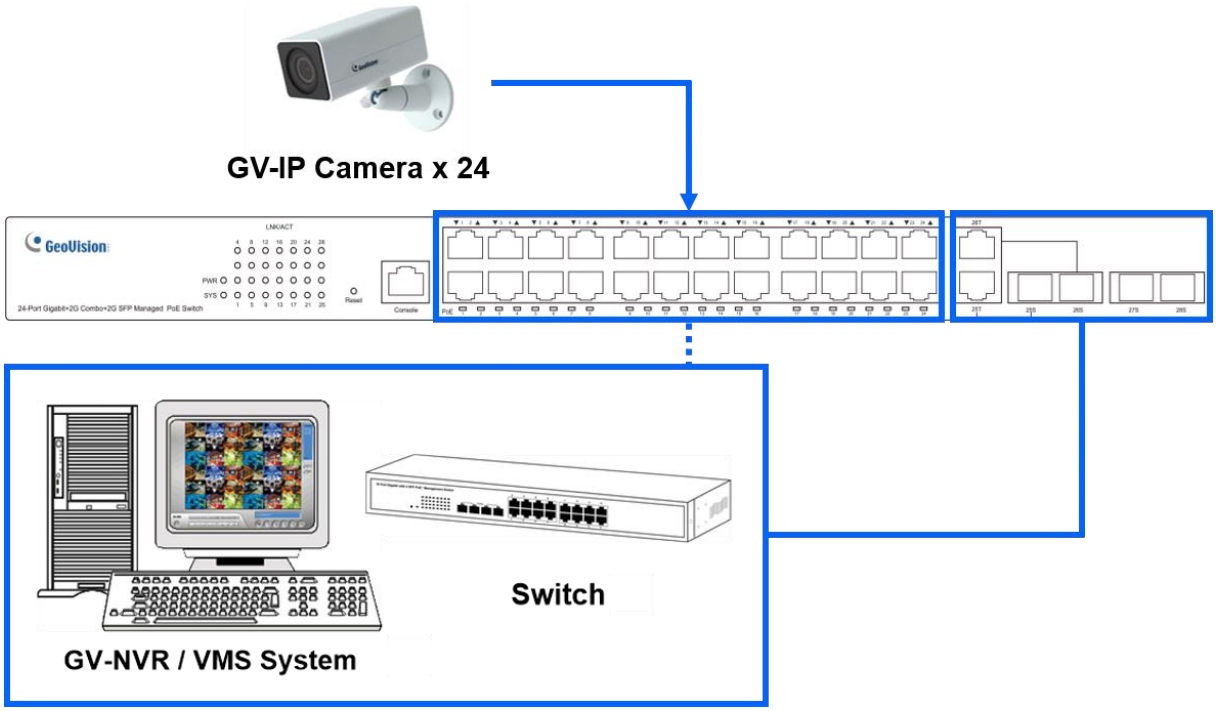
Rackmount Installation





Connecting to GV-IP Camera

The switch can be connected to up to 24 GV-IP Cameras and 1 GV-NVR / VMS System. You can also extend the connection by connecting to another switch.



Note:

1. GV-NVR / VMS or a switch can connect to the RJ-45 ports or SFP ports.
2. The maximum cable length for:
   - Gigabit RJ-45 (Cat.5) is 100 m (330 ft).
   - Gigabit RJ-45 (Cat.5e, 6) can achieve 250 m (820 ft) by setting the network bandwidth of the 24 PoE ports to 10 Mbps per port on the switch's Web interface. See details in *3.6 Port Rate, GV-PoE Switch User's Manual (L2+ Web Managed).*
3. For connection that exceeds 250 m (820 ft), use the Gigabit SFP ports.

Accessing the Web Interface

Users can log in the Web interface to manage and set up the switch.

1. To access the Web user interface, type the default IP **192.168.0.250** into your Web browser. The login page appears.

2. Type the default username **admin** and password **admin.** Click **Login In**.
3. When prompted to create your login credentials, type the necessary information and click **Apply**. The System Information page appears.

Note: Before rebooting, make sure click the Save button at the top right of the Web interface in order to save your current settings.

Basic Setup

Refer to the following sections for the basic setup of the switch, including assigning an IP address, port PoE configuration, and switching SFP port between 1G modes.

A. Assigning an IP Address

Adopt one of the following alternatives to assign an IP address to the switch.

a. Assigning a Fixed or Dynamic IP on the Web Interface

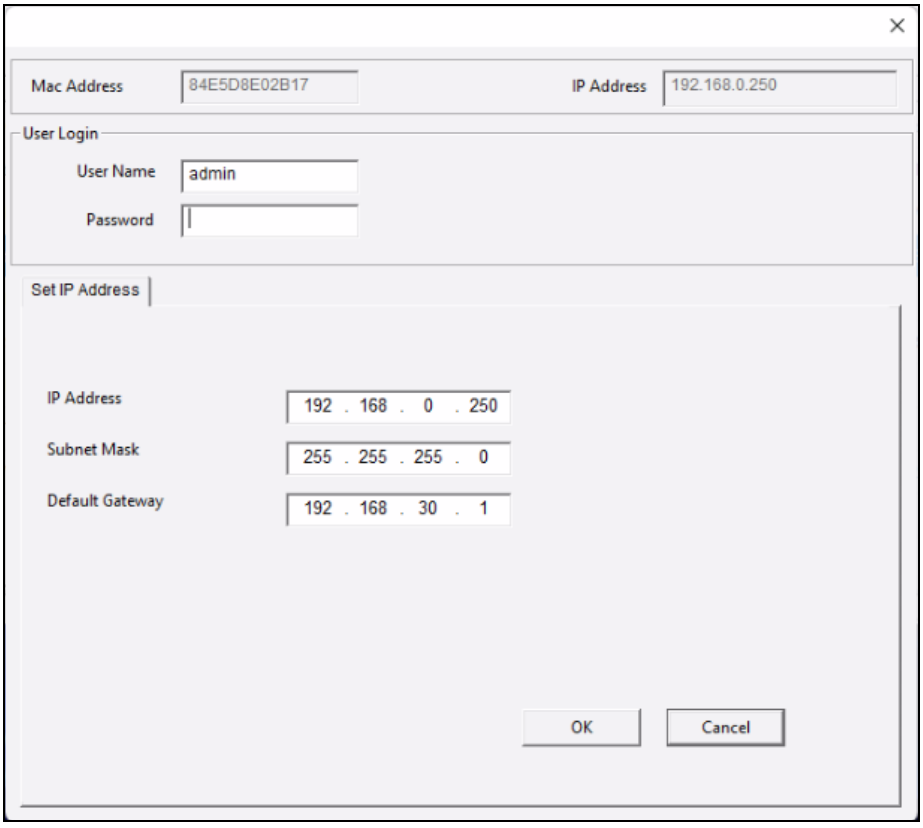
1. On the Web interface, select **System Config** > **IP Config** > **IPv4 Config**.

2. In IP Mode, select **Static IP** to change an IP address or click **Dynamic** to allow DHCP to assign a dynamic IP address. Click **Apply**.
3. Re-log in to the switch using the newly assigned IP address.

Note: If you select to use a dynamic IP, check the IP address first with GV-IP Device Utility before logging in again.

b. Assigning an IP Using GV-IP Device Utility

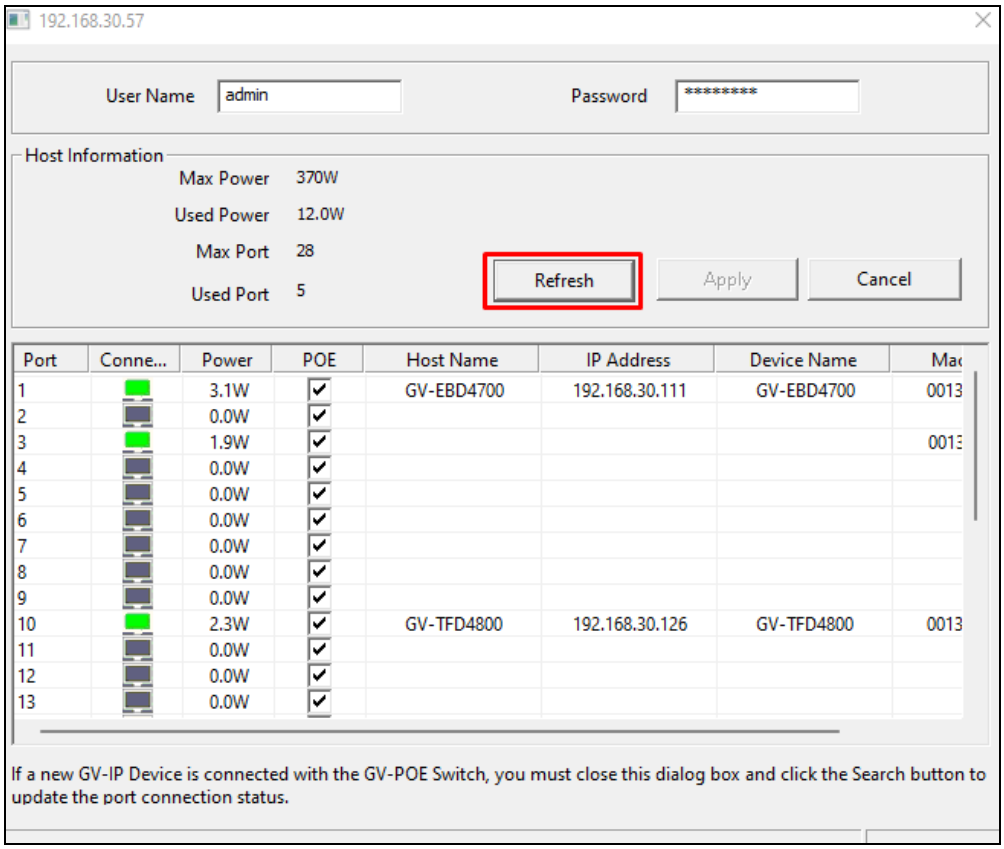
1. Make sure a PC and the switch are connected to the same LAN, and GV-IP Device Utility (V9.0.3 or later) is installed on the PC from our website.
2. On GV-IP Device Utility, click the button to search for the IP devices in the same LAN.
3. Click the switch's IP address, and select **Set IP Address**.
4. On the configuration dialog box, type the **User Name** and **Password**.
5. Type the desired IP address, subnet mask, and default gateway. Click **OK**.



B. Configuring PoE Port Using GV-IP Device Utility

You can quickly access and configure the PoE port status of the devices connected to the switch by using GV-IP Device Utility. Follow the instructions below:

1. Make sure a PC and the switch are connected to the LAN, and GV-IP Device Utility (V9.0.3 or later) is installed on the PC from our website.
2. On GV-IP Device Utility, click the button to search for the IP devices in the same LAN.
3. Click the switch's IP address, and select **Configure**.
4. On the configuration dialog box, type the **User Name** and **Password**, and click **Refresh**.



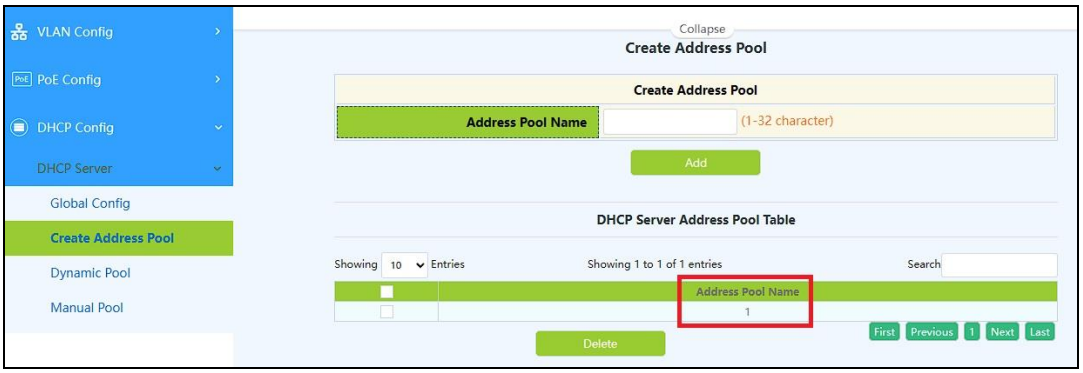
5. To enable or disable the PoE function of a device connected to the switch, select or deselect the **POE** checkbox.
6. Click **Apply**.

C. Enabling the DHCP Server

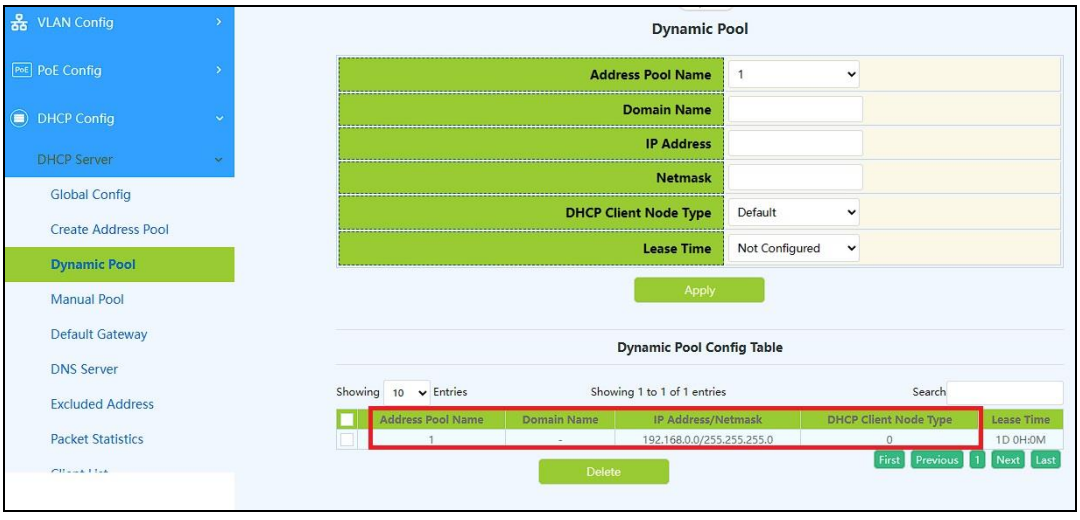
To enable the DHCP server function on the switch, follow the instructions below.

1. On the Web interface, select **DHCP Config** > **DHCP Server** > **Global Config**.
2. Enable **DHCP Server**.

To create an address pool, select **DHCP Config** > **DHCP Server** > **Create Address Pool**. Here, we create an address pool called “1” as an example.



3. To configure IP parameters, type the switch’s IP in **IP Address** and the switch’s netmask in **Netmask**, and click **Apply**. In this example, switch’s IP is 192.168.0.0 and netmask is 255.255.255.0.



Loading Default Setting

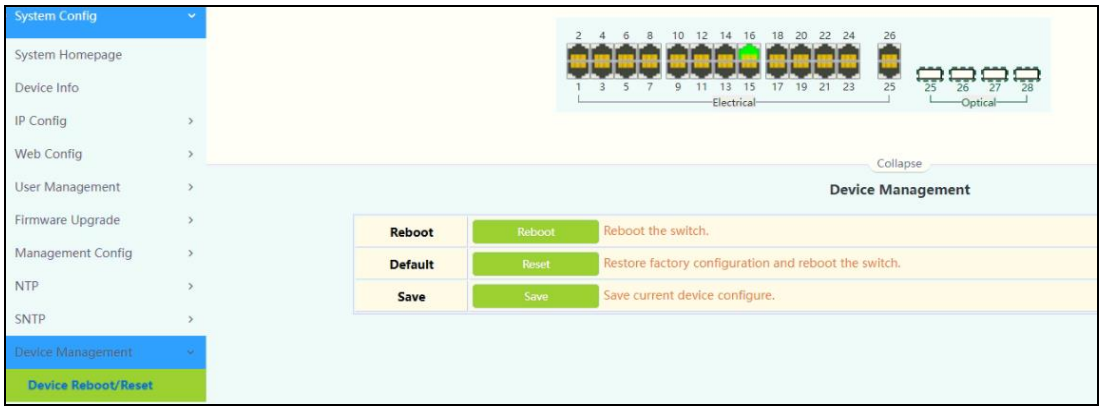
If for any reason the device is not responding properly, you can reset it to its factory default settings either directly on the device or through its Web interface.

Hardware

1. Turn on the switch.
2. Press and hold the **Reset** button on the front panel of the switch for 5 seconds until all the LED start blinking.
3. Release the button. The switch is restored to its default settings.

Web Interface

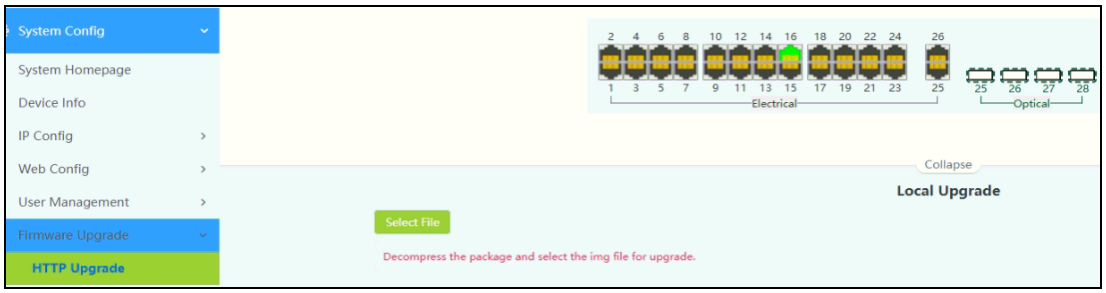
1. Select **System Config** > **Device Management** > **Device Reboot/Reset**.
2. In the **Device Management** table, click **Reset** to restore the switch to its factory default configurations, or click **Save** to restore default configurations while keeping the current settings.



Note: After loading default by pressing the Reset button or from the Web interface, you may need to configure IP address and Password again.

Updating Firmware

1. Select **System Config** > **Firmware update** > **HTTP Upgrade**. This page appears.



2. Click **Select File** to select the firmware file.
3. Click **Apply**. The upgrade process starts.
4. After the firmware is successfully upgraded, the system will automatically log out and reboot.

Specifications

For detailed specifications, see the Datasheet.