

GV-APOE0812-E

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GV-APOE0812

8-Port Gigabit L2+ Web Management PoE Switch

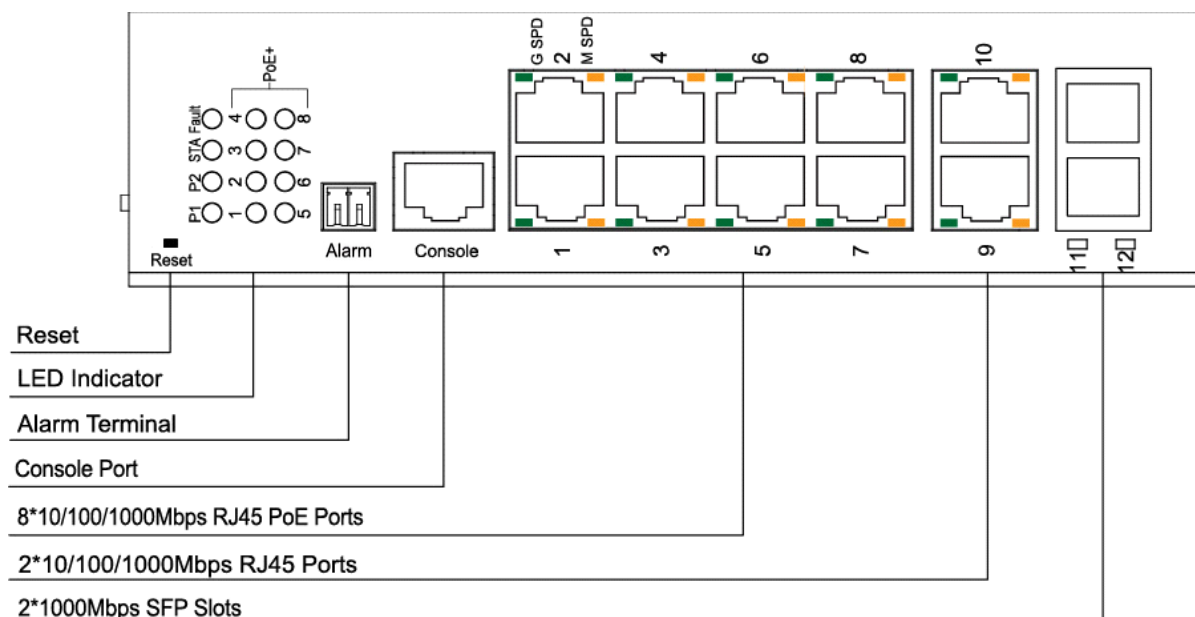


Packing List

- GV-APOE0812-E
- Terminal Block x 2
- Rack Mount Kit x 2
- Screw x 4
- Download Guide

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

Front Panel

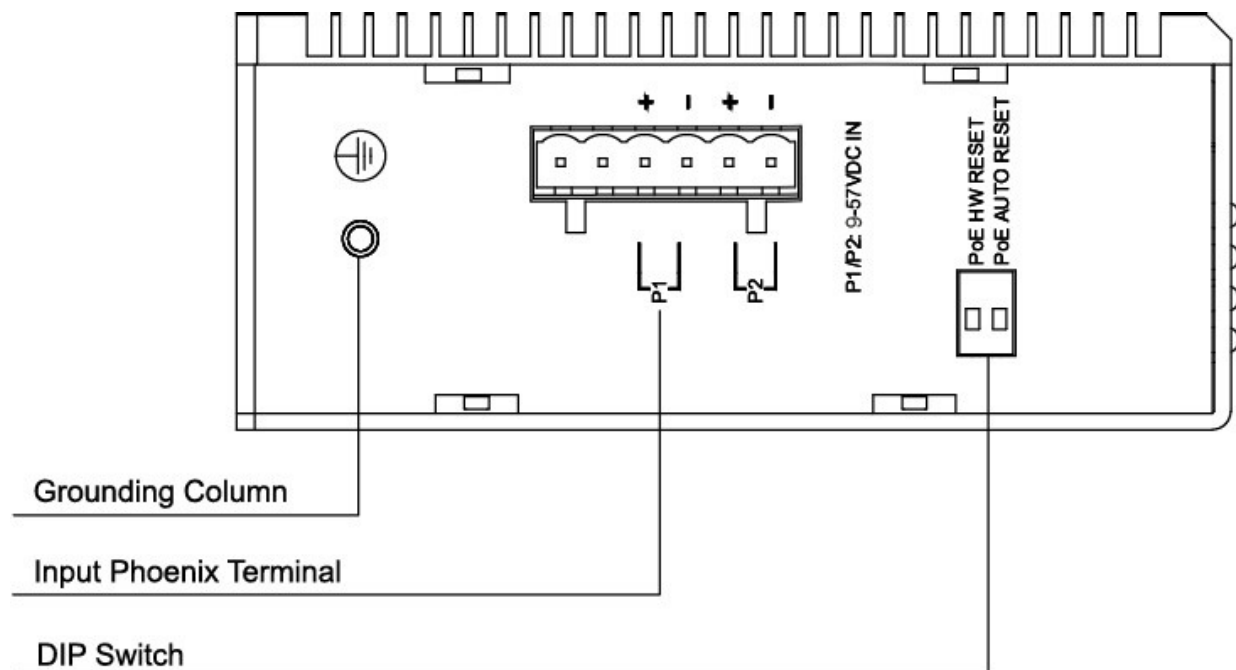


Interface	Description
Reset Button	The reset button resets the device. Press and hold the button for 5 seconds, and then release it to restore the switch to its initial factory default settings.
Alarm Terminal	The alarm port supports an abnormal alarm function and must be connected to an external alarm device. If the switch fails to start or power on normally, the internal relay opens (disconnects) to immediately output an alarm signal. This circuit provides automatic alarming, safety protection, and isolation conversion functionality.
Console Port	The Console port is used to connect to the serial port of a computer or other terminal device for debugging only.
10/100/1000Mbps RJ45 Ports	These ports support 10/100/1000Mbps auto-negotiation and auto-MDI/MDIX (auto-flip) functionality. Ports 1–10 each feature corresponding LED indicators located on the left and right sides of the RJ45 jack. Additionally, ports 1–8 feature Power over Ethernet (PoE) functionality, supporting the IEEE 802.3at standards with a maximum output of up to 30W per port.
1000Mbps SFP Port	Each SFP slot features a corresponding LED indicator, labeled as ports 11 and 12 in the panel diagram above.

LED Indicator

LED	Color	Description
P1	Green	Off: Switch is not powered on by P1 power supply. On: Switch is powered on by P1 power supply.
P2	Green	Off: Switch is not powered on by P2 power supply. On: Switch is powered on by P2 power supply.
STA	Green	Blinking: Switch is working properly. Light: Switch is starting or running abnormally.
Alarm	Green	Off: No alarm signal is being output. Light: An alarm output is actively being output.
LNK/CAT	Green/Yellow	Off: No connected device or link is down. Light: Successfully connect to a network device (link up). Blinking: Data is being transferred or received.
PoE	Green	Off: The port is not supplying power to the connected. Light: A compatible powered device (PD) is connected and receiving normal power supply.

Side Plate



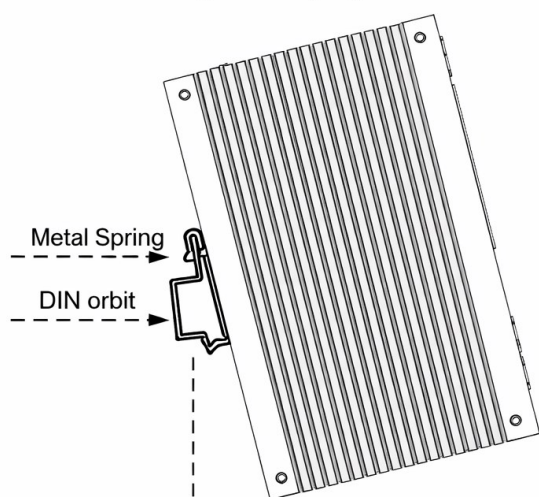
Interface	Description
Grounding Column	Connect a grounding wire here to protect the equipment from lightning strikes and electrical surges.
Input Phoenix terminal	A 6-pin industrial terminal block supporting dual 9–57V DC power inputs (P1 and P2). Features full power redundancy; if one DC power source fails, the switch automatically switches to the backup source without network interruption.
DIP Switch	PoE AUTO RESET: Re-initializes and restores the PoE system via the MCU if an anomaly occurs, without rebooting the entire switch. PoE HW RESET (PD-Alive): Activates an automated watchdog that monitors connected PoE devices (like IP cameras). If a device freezes or drops offline, the switch power-cycles the port to reboot it automatically.

DIN Rail Installation

Installing a 45 mm standard DIN-Rail is easy and works well for most industrial setups. Follow these steps:

1. **Check accessories** — Make sure all the DIN-Rail installation parts and tools are included. (They come with this product.)
2. **Check the rail** — Confirm the DIN-Rail is securely fixed and there's enough space to mount the device.
3. **Install the device** — Hook the lower part of the product's mounting seat (with the spring support) onto the rail. Then press the upper part into place. Use gentle pressure to keep the device balanced and firmly attached.

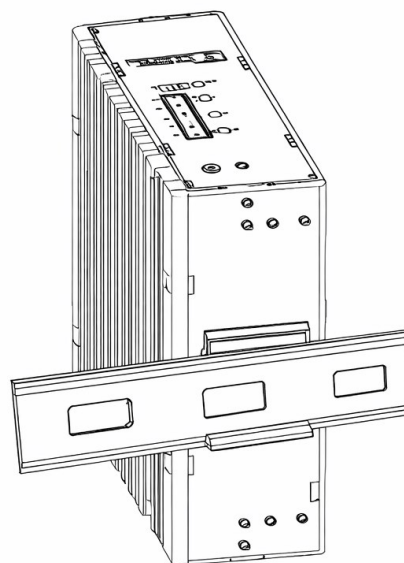
① Insert the top of the monorail into notch below the rigid metal spring



② Quickly connect the DIN rail seat unit to the position shown in the figure

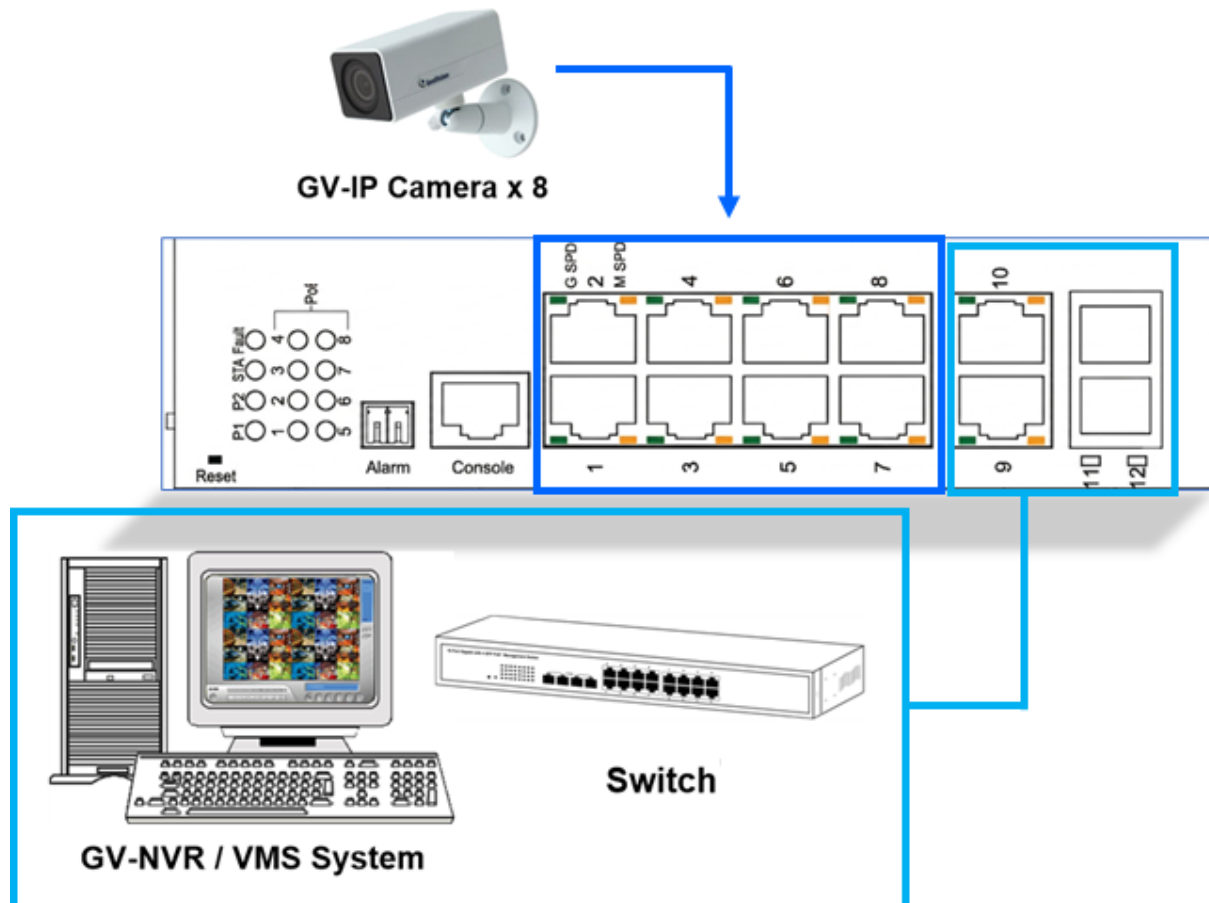


③ The installation is complete, as shown in the figure



Connecting to GV-IP Camera

The switch can connect up to 8 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 8 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.

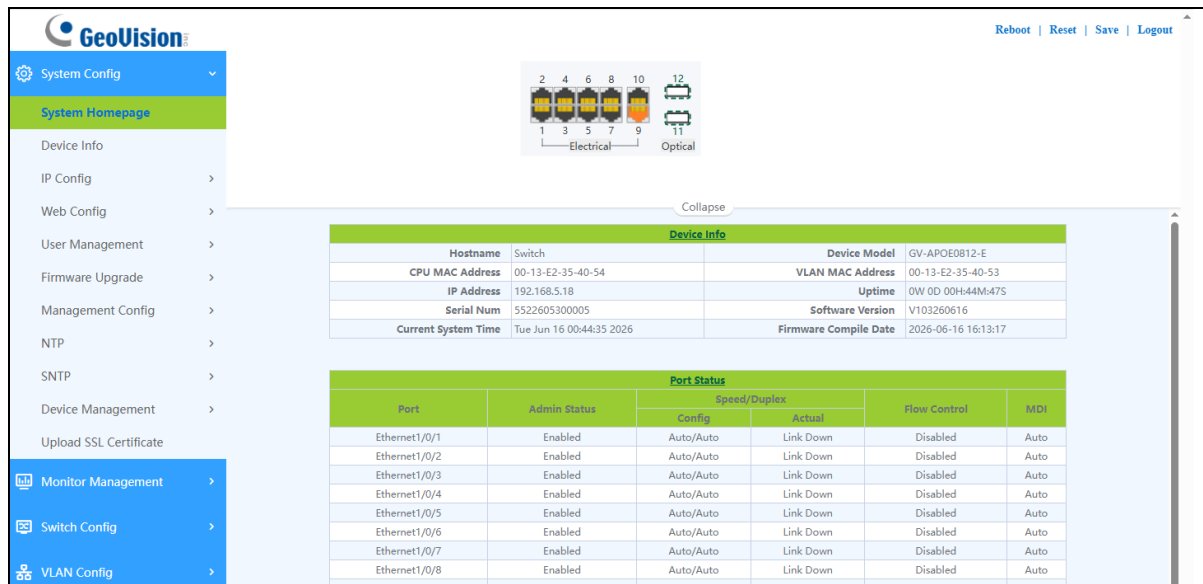
Accessing the Web Interface

Users can log in to 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.



Device Info

Hostname	Switch	Device Model	GV-AP0E0812-E
CPU MAC Address	00-13-E2-35-40-54	VLAN MAC Address	00-13-E2-35-40-53
IP Address	192.168.5.18	Uptime	0W 0D 00H:44M:47S
Serial Num	5522605300005	Software Version	V103260616
Current System Time	Tue Jun 16 00:44:35 2026	Firmware Compile Date	2026-06-16 16:13:17

Port Status

Port	Admin Status	Speed/Duplex		Flow Control	MDI
		Config	Actual		
Ethernet1/0/1	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/2	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/3	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/4	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/5	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/6	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/7	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/8	Enabled	Auto/Auto	Link Down	Disabled	Auto

Note: Before rebooting, ensure to 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

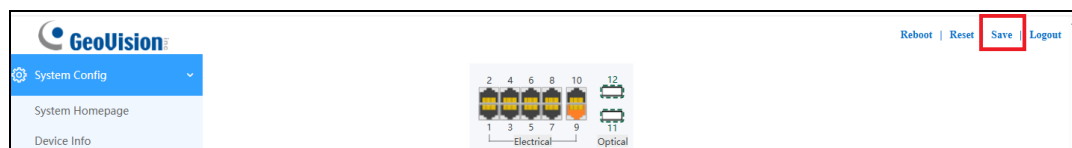
Adopt one of the following alternatives to assign an IP address to the switch.

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**.



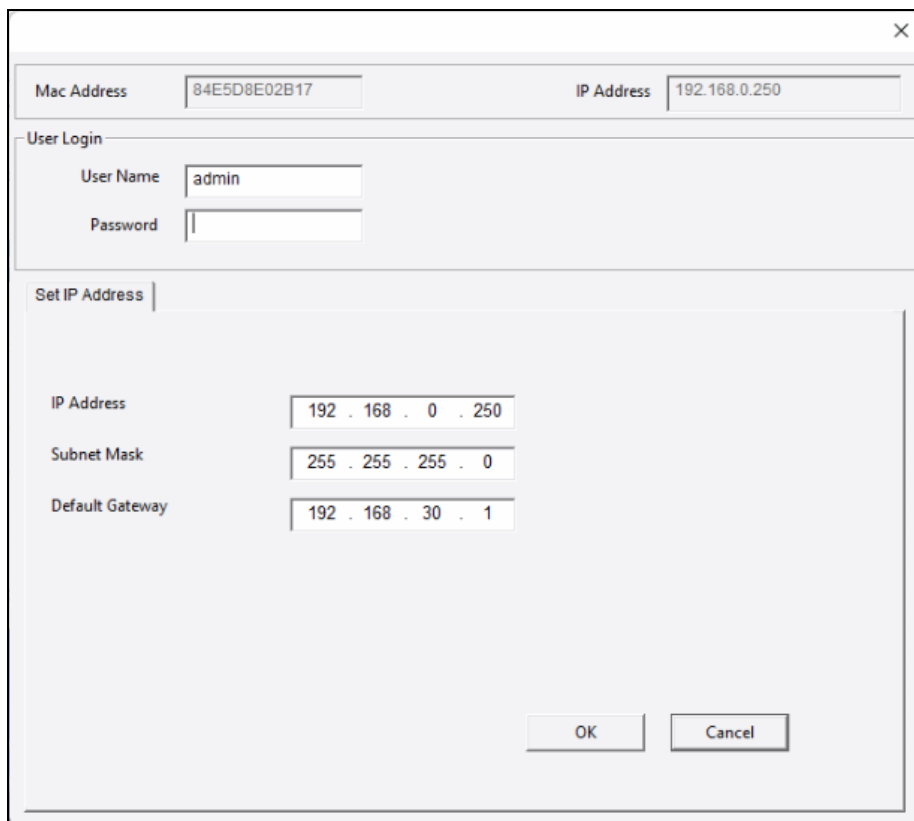
3. Log back in to the switch using the newly assigned IP address.
4. From the top right of the web interface, click **Save**. This ensures the settings are stored and will not revert to the default values after a reboot or power cycle.



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

b. Assigning an IP Using GV-IP Device Utility

1. Ensure a PC and the switch are on the same LAN, and GV-IP Device Utility is installed on the PC from our [website](#).
2. On GV-IP Device Utility, click the **Search**  button to scan for IP devices on the 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**.

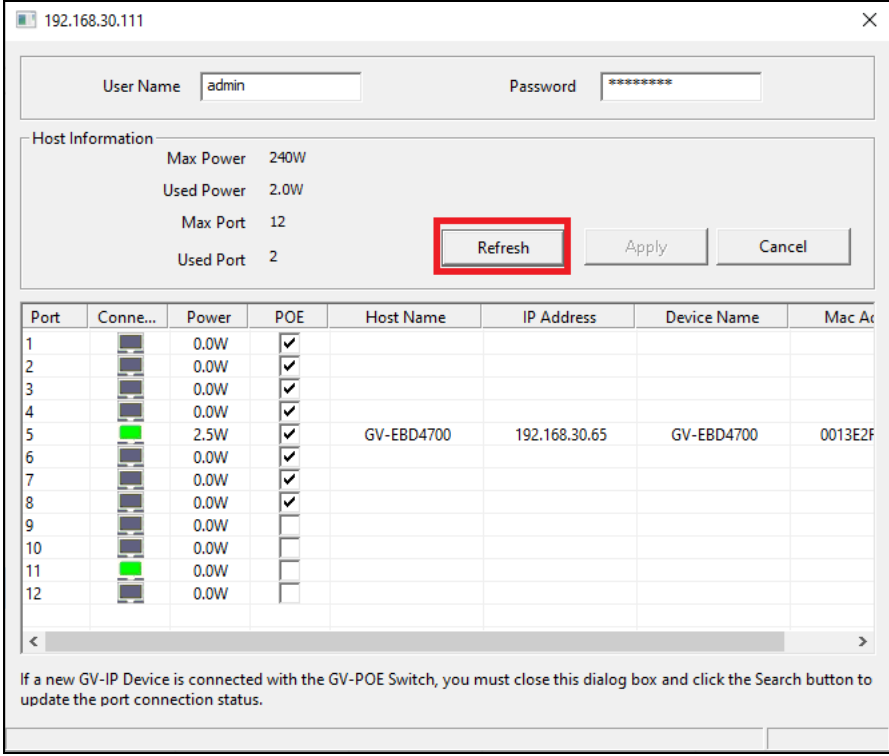


The image shows a configuration dialog box for the GV-IP Device Utility. At the top, there are two input fields: 'Mac Address' with the value '84E5D8E02B17' and 'IP Address' with the value '192.168.0.250'. Below these is a 'User Login' section with 'User Name' set to 'admin' and an empty 'Password' field. The main section is titled 'Set IP Address' and contains three rows of input fields: 'IP Address' (192 . 168 . 0 . 250), 'Subnet Mask' (255 . 255 . 255 . 0), and 'Default Gateway' (192 . 168 . 30 . 1). At the bottom right are 'OK' and 'Cancel' buttons.

B. Configuring PoE Ports Using GV-IP Device Utility

GV-IP Device Utility allows you to quickly access and configure the PoE port status of devices connected to the switch. Follow the steps below.

1. Ensure a PC and the switch are connected to the LAN, and GV-IP Device Utility is installed on the PC from our [website](#).
2. On GV-IP Device Utility, click the **Search**  button to scan for IP devices on the LAN.
3. Click the switch's IP address, and select **Configure**.
4. On the configuration dialog box, type the switch's **User Name** and **Password**, and click **Refresh**.



192.168.30.111

User Name: admin Password: *****

Host Information

Max Power: 240W
Used Power: 2.0W
Max Port: 12
Used Port: 2

Refresh Apply Cancel

Port	Conne...	Power	POE	Host Name	IP Address	Device Name	Mac Ad
1		0.0W	☒				
2		0.0W	☒				
3		0.0W	☒				
4		0.0W	☒				
5		2.5W	☒	GV-EBD4700	192.168.30.65	GV-EBD4700	0013E2F
6		0.0W	☒				
7		0.0W	☒				
8		0.0W	☒				
9		0.0W	☐				
10		0.0W	☐				
11		0.0W	☐				
12		0.0W	☐				

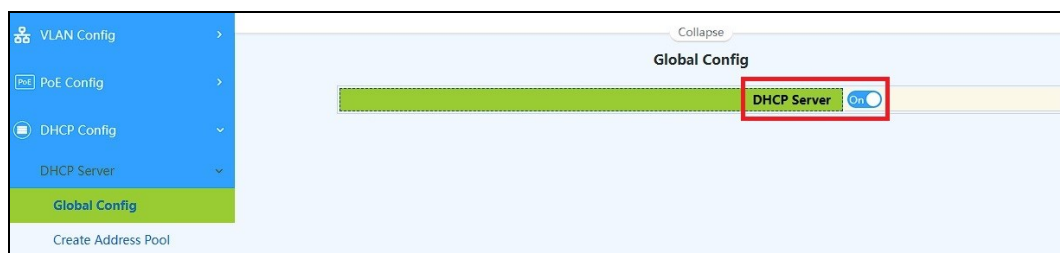
If a new GV-IP Device is connected with the GV-POE Switch, you must close this dialog box and click the Search button to update the port connection status.

5. To enable or disable PoE for a connected device, check or uncheck the **POE** checkbox.
6. Click **Apply**.

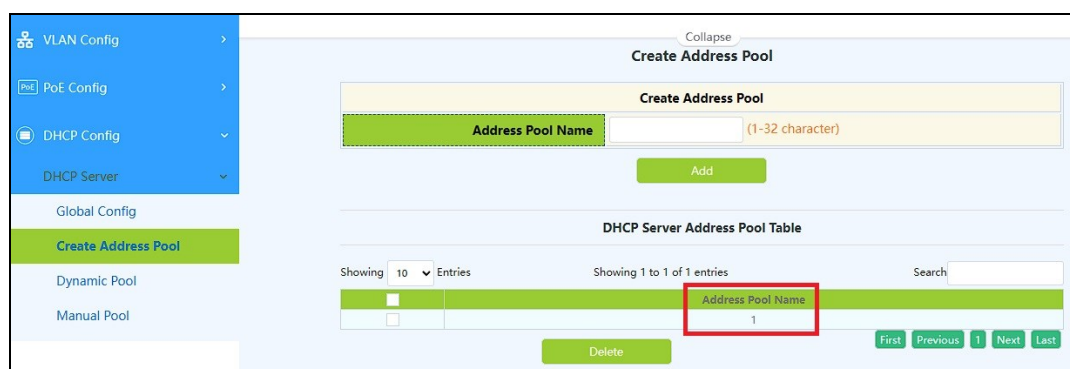
C. Enabling the DHCP Server

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

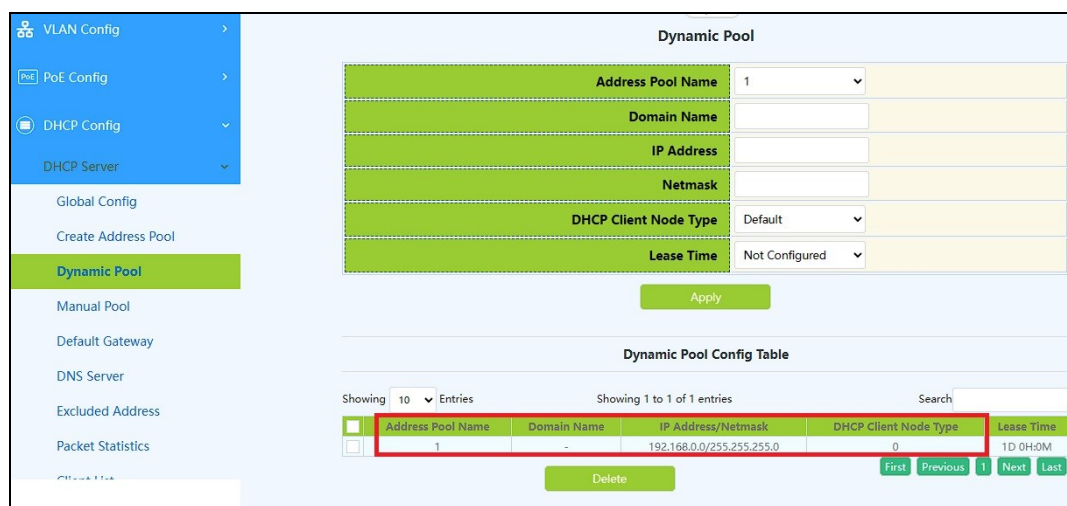
1. On the Web interface, select **DHCP Config > DHCP Server > Global Config**.
2. Enable **DHCP Server**.



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



4. 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.



5. From the top right of the web interface, click **Save**. This ensures the settings are stored and will not revert to the default values after a reboot or a power cycle.

Loading Default Settings

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

Use one of the two ways to reset your switch:

1. Click **Reset** from the top right of the web interface.
2. Select **System Config > Device Management > Device Reboot/Reset** from the left menu.

Note: After restoring the default settings, it is required to configure the IP address and password again.

Updating Firmware

1. Select **System Config > Firmware update > HTTP Upgrade**.
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](#).