

GV-APOE161C

Contents

Packing List	1
Front Panel.....	1
LED Indicator	2
Rear Panel	3
Mount Installation	4
Desktop Installation	4
Rackmount Installation.....	5
Connecting to GV-IP Camera	6
Accessing the Web Interface	7
Basic Setup	8
A. Assigning an IP Address.....	8
B. Configuring PoE Port Using GV-IP Device Utility	10
Loading Default Setting.....	11
Hardware	11
Web Interface	12
Updating Firmware	13
Specifications	13

GV-APOE161C

16-Port 802.3at Gigabit Easy Web Smart PoE Switch



Packing List

- | | |
|-----------------------|-------------------|
| 1. GV-APOE161C | 5. Screw x 8 |
| 2. Power Cord | 6. User Guide |
| 3. Rack Mount Kit x 2 | 7. Download Guide |
| 4. Rubber Feet x 4 | |

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

Front Panel

The front panel consists of 16*10/100/1000 Mbps adaptive RJ-45 ports, 2*1000 Mbps SFP slots, and related indicators, as shown in the following figure:

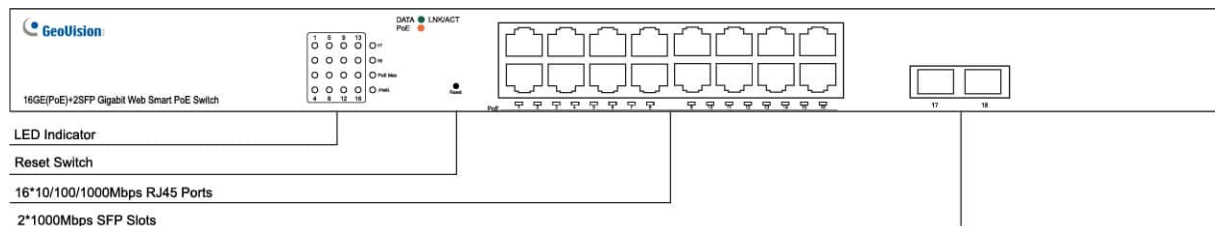


Figure 1. Front panel of GV-APOE161C

GV-APOE161C Port description:

- **10/100/1000 Mbps RJ-45 Ports**
Supports 10 Mbps, 100 Mbps, or 1000 Mbps rate adaptation (Auto-MDI/MDIX), and each port has a corresponding indicator, that is, port indicators 1-16 as shown on the panel in the figure above.
- **1000 Mbps SFP Slots**
SFP slots are independent SFP slots on the right of the panel. Each port has a corresponding indicator, that is, the indicators 17-18 on the panel in the figure above.
- **Reset Switch**
Reset Switch is simply a Switch that can reset automatically. Press it for 5 seconds and release it to restore the initial state.
- **LED Indicator**
The LED indicator is used to indicate the different working status of the Switch, enabling timely checks to ensure it is functioning properly.

LED Indicator

LED	Color/Status	Description
PWR	Off	No power supply
	Green	System powered on
PoE	Off	No PoE powered device (PD) connected
	Orange On	PoE powered devices connected with successful power supply
	Blinking Orange	Abnormal PoE supply of the corresponding port
LNK/ACT	Off	Network not connected
	Green On	Network successfully established at 10/100/1000 Mbps through the corresponding port
	Blinking Green	Data actively being sent or received by the Switch over the corresponding port

Rear Panel

The rear panel of a Switch shows the AC power port. The power input ranges from 100 ~ 240V AC at 50/60 Hz.

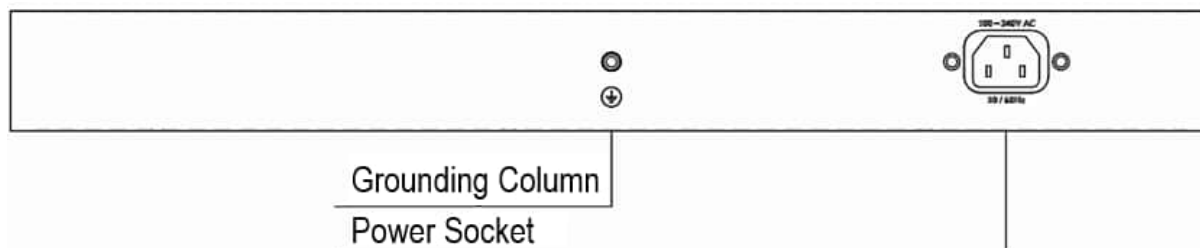


Figure 2. Rear panel of the GV-APOE161C

AC power port

This is an AC power socket, connect the negative plug of the power cord to this interface, and connect the positive plug to the AC power supply.

Lightning protection grounding pole

It is located to the left of the power interface. Please use wire grounding to prevent lightning strike.

Mount Installation

Desktop Installation

- Place the bottom of the Switch face up on a large enough stable desktop.
- Tear off the attached sticky paper on the surface of the footpad and paste the footpad into the groove at the bottom of the chassis of the Switch to prevent external vibration.
- Carefully position the Switch upright on the workbench.

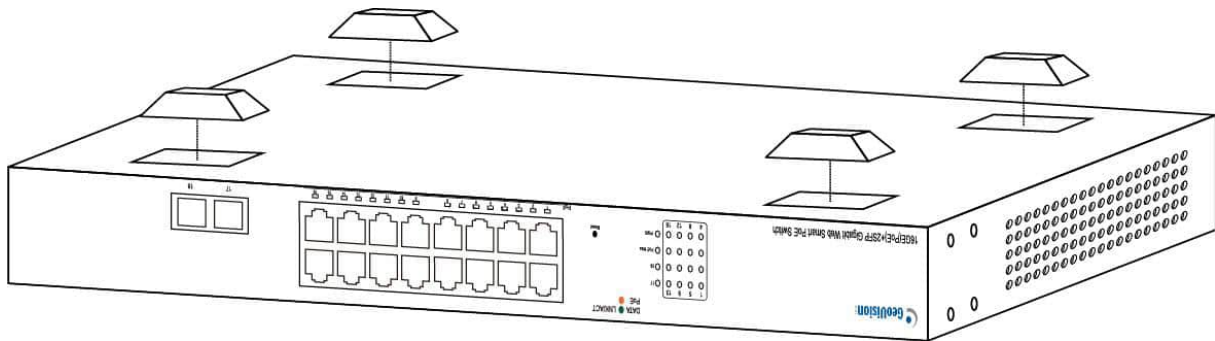


Figure 3. Desktop Installation Diagram

Rackmount Installation

- Check the grounding and stability of the EIA-19inch cabinet.
- Fix mounting ears to both sides of the front panel of the Switch using screws. Place the Switch on a bracket of the cabinet and move the Switch along the guide rails of the cabinet to a proper position.
- Use screws to fix mounting ears to the guide rails at both ends of the cabinet to ensure that the Switch is securely installed on the brackets in the cabinet slots. The mounting ear of the device is not used for weight bearing, it is only used for fixation.
- When installing devices in a cabinet, brackets (fixed on the cabinet) are provided below the device chassis to support devices.

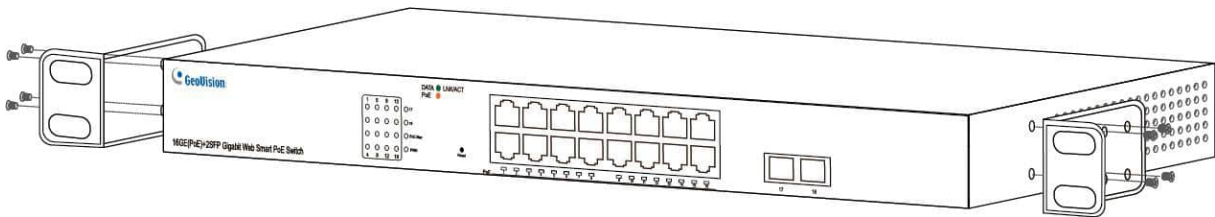


Figure 4. Diagram 1 of rack installation

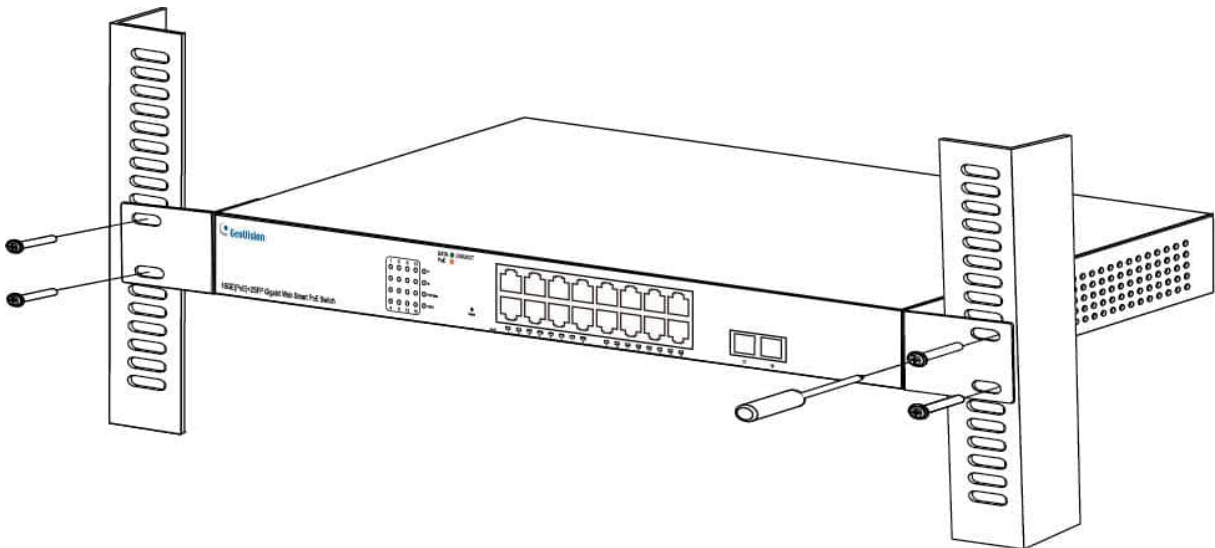
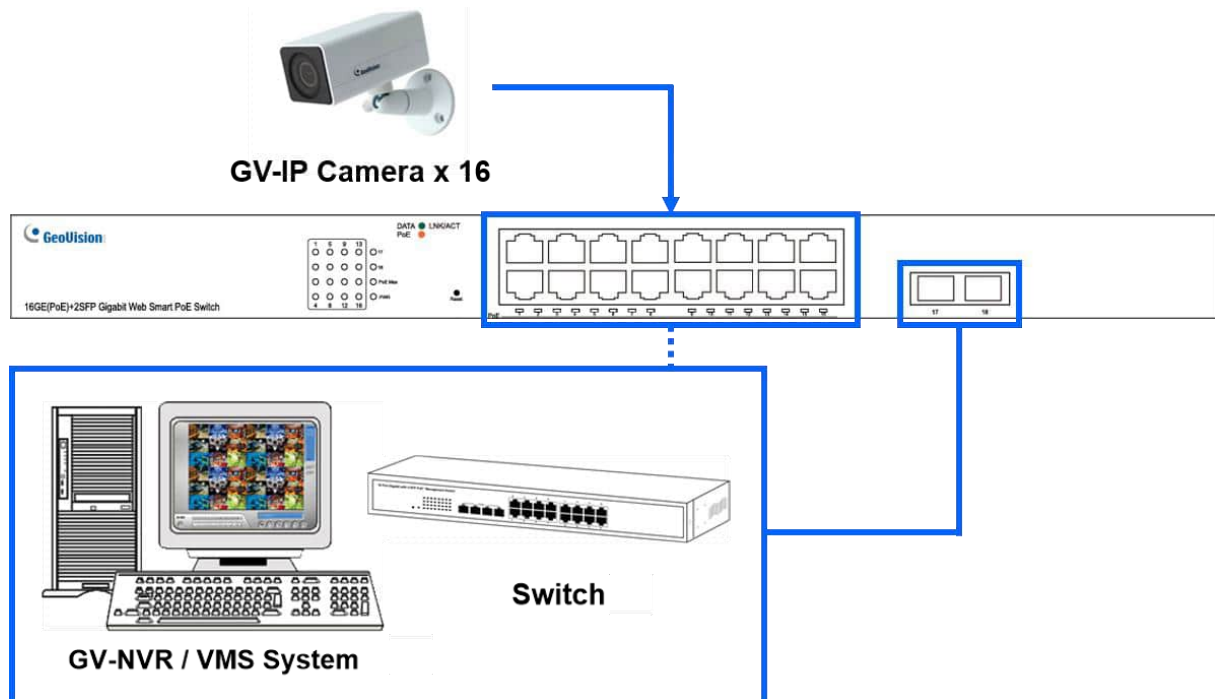


Figure 5. Diagram 2 of rack installation

Connecting to GV-IP Camera

The switch can be connected to up to 16 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 16 PoE ports to 10 Mbps per port on the switch's Web interface. See details in 3.6.1 Port Rate, *GV-PoE Switch User's Manual*.
3. For connections exceeding 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 Device Information page appears.

Device info	
Hostname	Switch
Model	GV-APCE081C
MAC Address	84:E5:D8:EC
IP Address	192.168.4.224
Submask	255.255.248.0
Gateway	192.168.0.1
DNS	168.95.1.1
SN	3672311250002
Firmware Version	V100231215
Firmware Date	Fri_Dec_15_14:39:11_2023
Hardware Version	V1.00
Running Time	0d 00h 24min 36s
Device Contact	Default
Device Location	Default

Basic Setup

Refer to the following sections for the basic setup of the switch, including assigning an IP address and configuring port PoE.

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 Information > IP Settings**.
2. In Auto Obtain IP, select **Disabled** to change an IP address or click **Enabled** to allow DHCP to assign a dynamic IP address. Click **Save**.




IP Settings	
Auto Obtain IP	Disabled
IP Address	192.168.4.224
Submask	255.255.248.0
Gateway	192.168.0.1
Auto Obtain DNS	Disabled
DNS	168.95.1.1

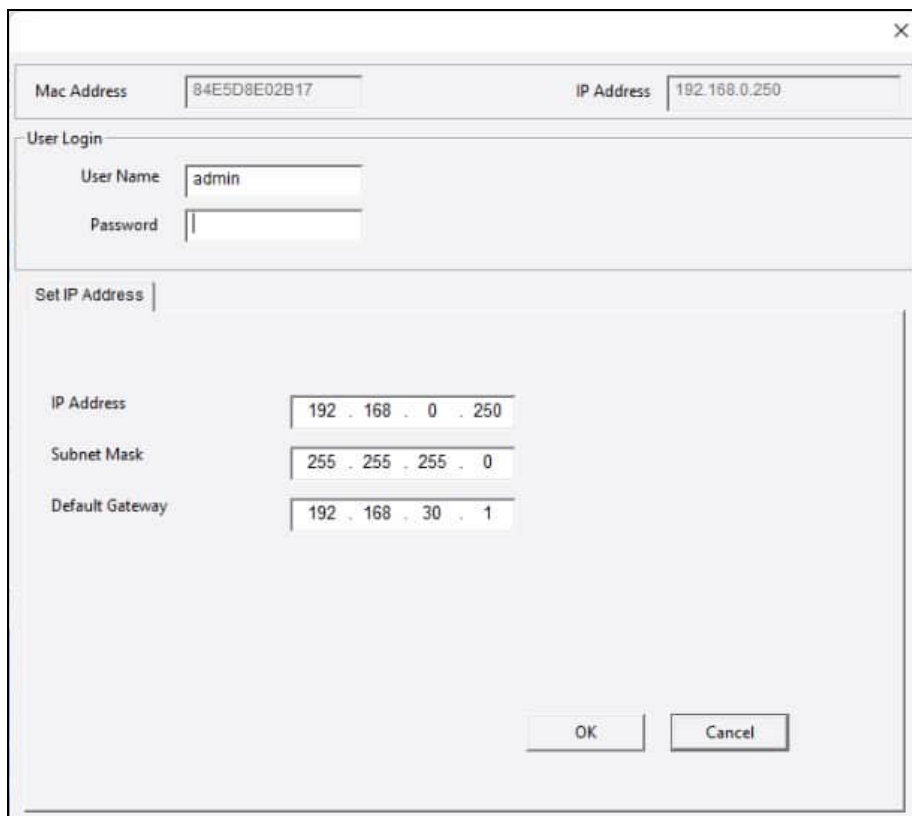
Save

3. Log back 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 (V8.9.9 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**.



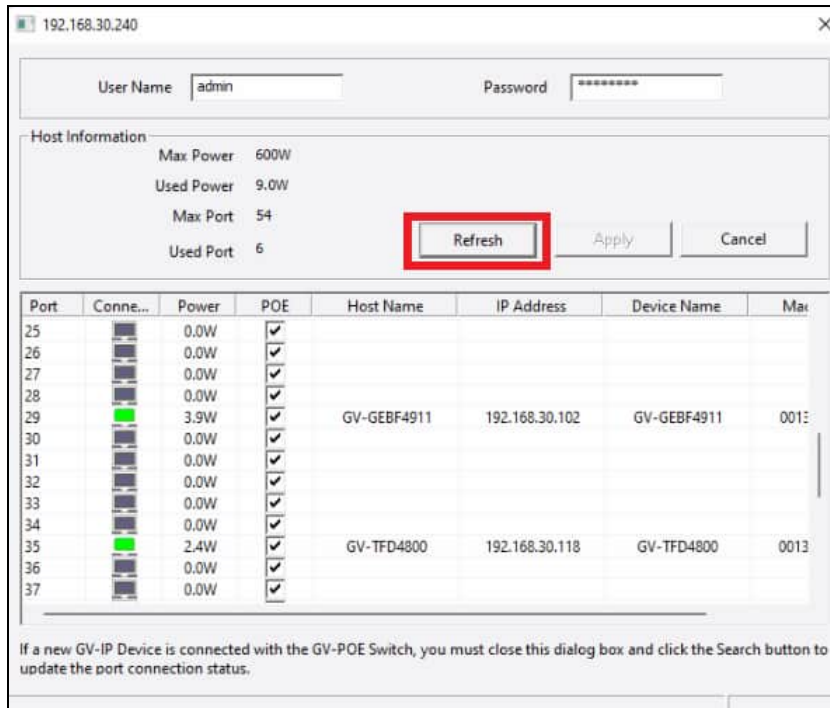
Mac Address	84E5D8E02B17	IP Address	192.168.0.250
User Login			
User Name	admin		
Password			
Set IP Address			
IP Address	192 . 168 . 0 . 250		
Subnet Mask	255 . 255 . 255 . 0		
Default Gateway	192 . 168 . 30 . 1		
OK Cancel			

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 (V8.9.9 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.



Port	Conne...	Power	POE	Host Name	IP Address	Device Name	Max
25		0.0W	<input checked="" type="checkbox"/>				
26		0.0W	<input checked="" type="checkbox"/>				
27		0.0W	<input checked="" type="checkbox"/>				
28		0.0W	<input checked="" type="checkbox"/>				
29		3.9W	<input checked="" type="checkbox"/>	GV-GEBF4911	192.168.30.102	GV-GEBF4911	0013
30		0.0W	<input checked="" type="checkbox"/>				
31		0.0W	<input checked="" type="checkbox"/>				
32		0.0W	<input checked="" type="checkbox"/>				
33		0.0W	<input checked="" type="checkbox"/>				
34		0.0W	<input checked="" type="checkbox"/>				
35		2.4W	<input checked="" type="checkbox"/>	GV-TFD4800	192.168.30.118	GV-TFD4800	0013
36		0.0W	<input checked="" type="checkbox"/>				
37		0.0W	<input checked="" type="checkbox"/>				

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

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

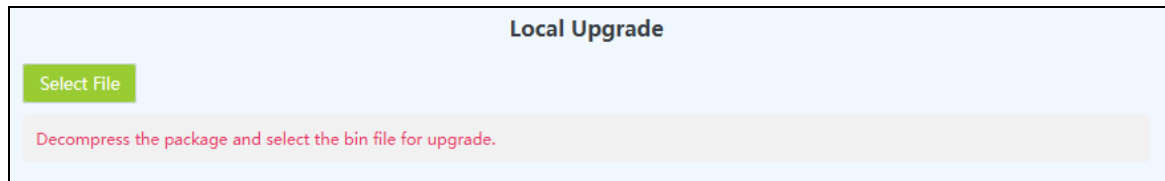
1. Select **System Information > Device Management**.
2. In the **Device Management** table, click **Reboot** to restart the switch, click **Restore** to restore the switch to its factory default configurations, or click **Save Configure** to restore default configurations while keeping the current settings.

Device Management		
Reboot	Reboot	Reboot the switch.
Restore	Restore	Restore factory configuration and reboot the switch.
Save Configure	Save Configure	Save current device configure.

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 Information** > **Upgrade**. This page appears.



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

Specifications

For detailed specifications, see [Datasheet](#).