

# GV-POE1601-V2 16-Port 802.3at Web Management PoE Switch

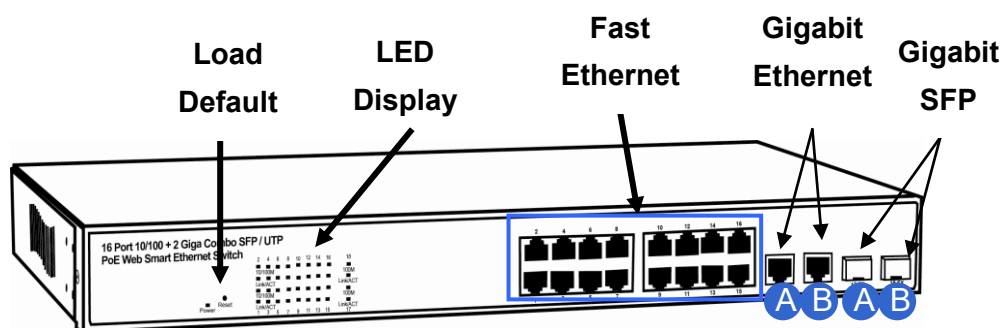


## Packing List

1. GV-POE1601-V2 x 1
2. AC Power Cord x 1
3. Screw x 8
4. Rack Mount Kit x 1
5. Download Guide x 1
6. GV-POE1601-V2 Quick Start Guide x 1

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

## Front Panel



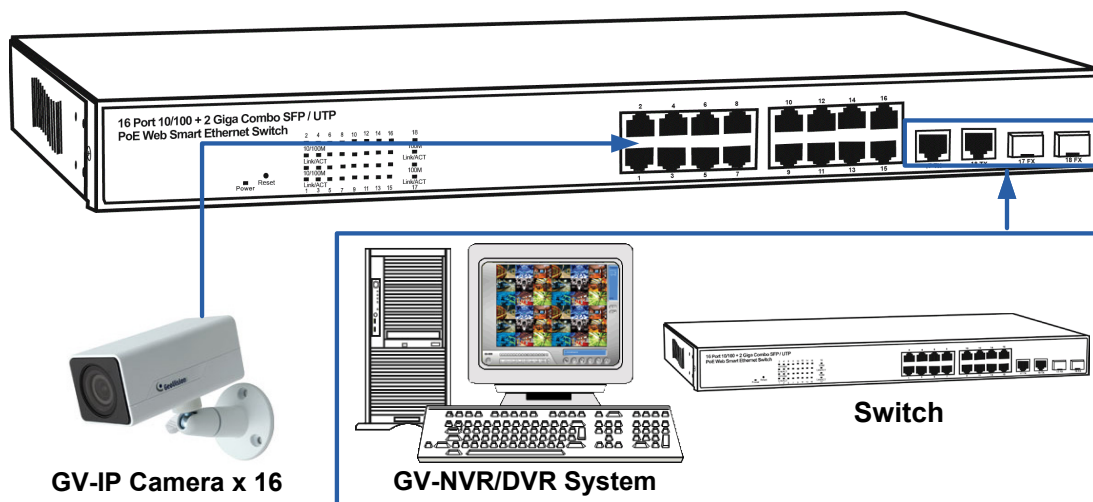
**Important:** For the usage of Gigabit Ethernet and Gigabit SFP ports, you can only choose one port from group A and one port from group B to connect. Both groups offer one of their ports for connections at a time.

#### LED Indicators on the switch

| LED        | Color/Status   | Description                    | No. of LED              |
|------------|----------------|--------------------------------|-------------------------|
| Power      | Amber On       | Power on                       | Power                   |
| Link / ACT | Green On       | Link Up                        | Port 1~16<br>(10/100 M) |
|            | Green Blinking | Data activating                |                         |
| PoE        | Amber On       | Port is linked to Power Device |                         |
|            | Off            | No Power Device is connected   |                         |
| Link / ACT | Green On       | Link Up                        | Port 17~18<br>(1000 M)  |
|            | Green Blinking | Data activating                |                         |

### Connecting up to 16 GV-IP Cameras and 1 GV-NVR/DVR System

Through twisted pair cables, this switch can be connected to up to 16 GV-IP Cameras and 1 GV-NVR/DVR System. You can also extend the connections by connecting to other switches.



**Note:** The maximum cable length for Ethernet is 100 meters. For connection that exceeds 100 meters, you can use the Gigabit SFP ports.

## Accessing Web Interface

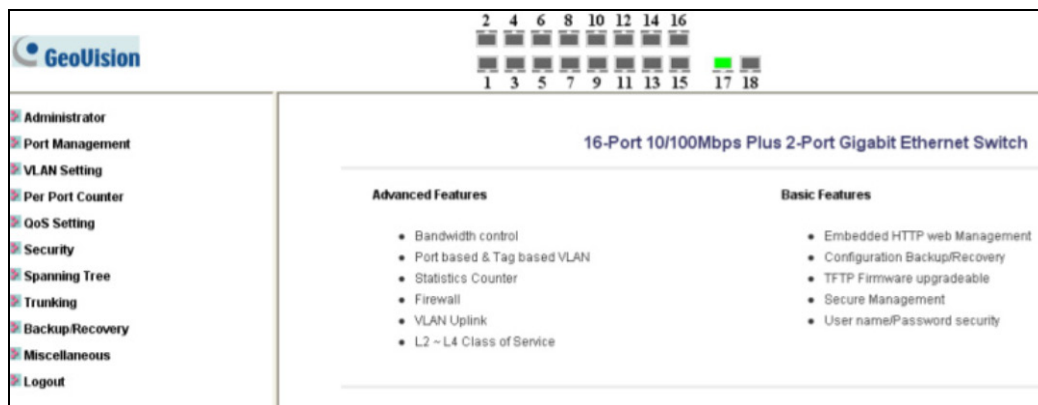
Users can log in Web interface to manage and set up the switch. Follow the below steps to log in the Web user interface.

**Note:** The device has a default IP [\\192.168.0.250](http://192.168.0.250). The ID and Password to log in are **admin**.

1. To access the Web user interface, type the default IP [\\192.168.0.250](http://192.168.0.250) into your Web browser.
2. When the User Log In page appears, type the default ID and password **admin** and click **OK**.



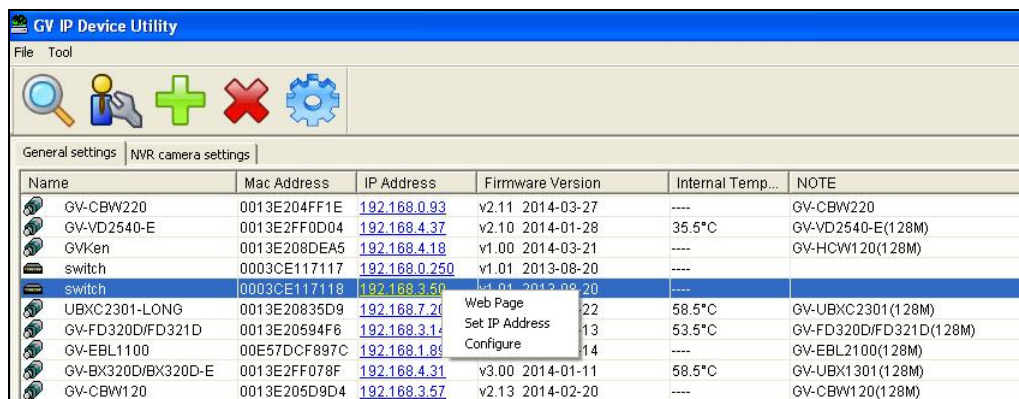
3. When you successfully log in, the Main Page appears. Select the functions from the left menu to manage the switch.



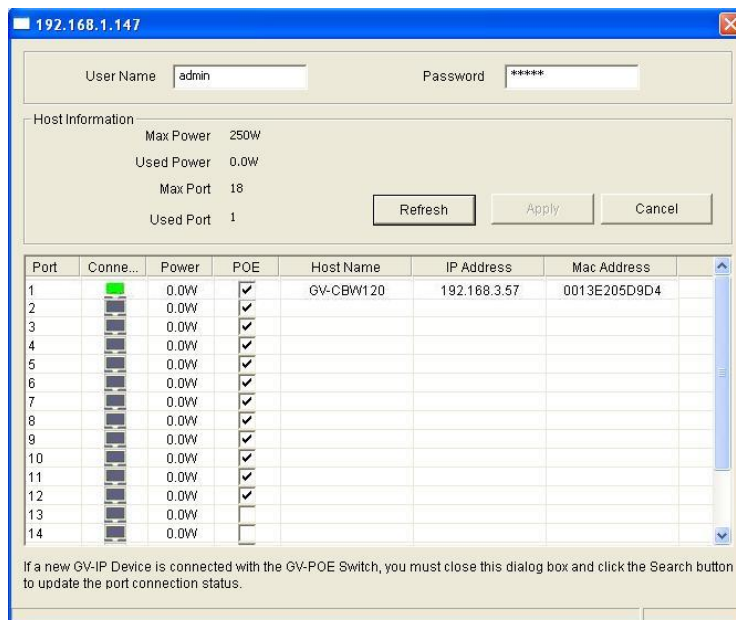
## Configuring through GV-IP Device Utility

When connecting multiple GV-POE Switches in the LAN, you can use the **GV-IP Device Utility V8.6.0.0 or later** for quick access to the configuration of each connected GV-POE Switch.

1. Install and run **GV IP Device Utility** from [http://www.geovision.com.tw/english/5\\_8.asp](http://www.geovision.com.tw/english/5_8.asp).
2. Click the IP address of desired GV-POE Switch to display the available settings.



3. To access the Web interface of the switch, click **Web Page**.
4. To set up the IP address, subnet mask and default gateway of the switch, click **Set IP Address**.
5. To access the port connection status, click **Configure**. This dialog box appears.



6. To enable the POE function for the connected GV-IP Device, click the check box in the POE column.
7. Click **Refresh** to retrieve the port information and **Apply** to allow the settings to take effect.

**Note:** 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.

## Loading Default Setting

You can load the default value with the **Reset** button or with the Web interface.

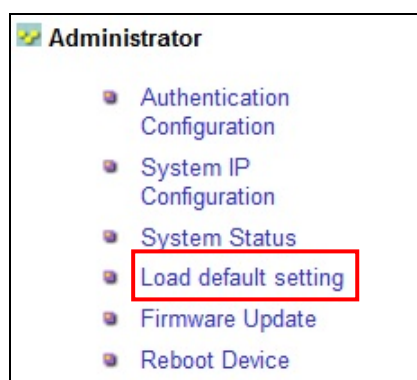
### Hardware

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.

**Note:** After restoring default settings, you will need to configure IP address, ID and Password again.

### Web Interface

1. On the Web interface, open the **Administrator** tree list, and select **Load default setting**.



2. Click **Load** to restore the switch to the original configuration.

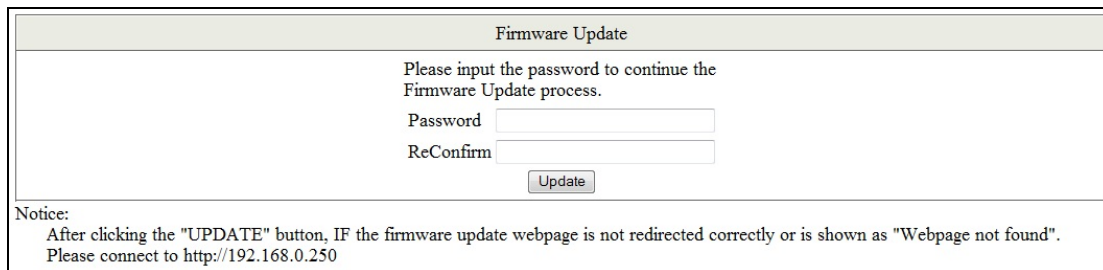
**Note:** Loading default from the Web interface will not change the user name, password and IP configuration. If you want to restore the default setting of IP address, user name and password, press the **Reset** button on the front panel of the switch.

## Updating Firmware

1. On the Web interface, open the **Administrator** tree list, and select **Firmware Update**.

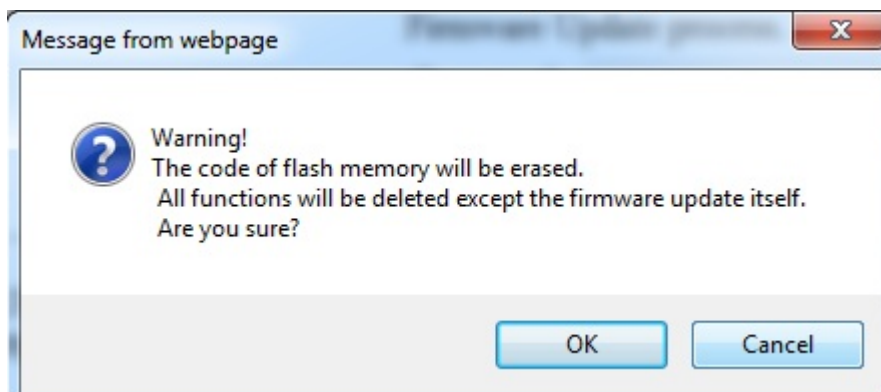


2. Type your password in the Password and ReConfirm fields. Click **Update**.

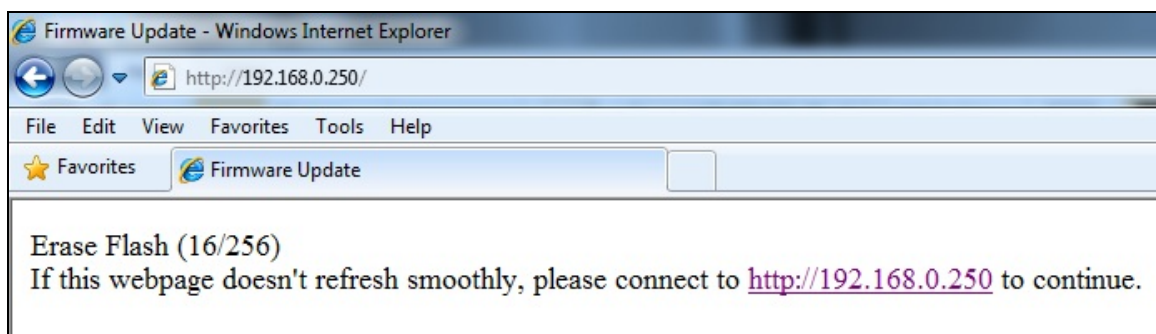


The screenshot shows a form titled 'Firmware Update'. It contains the following text: 'Please input the password to continue the Firmware Update process.' Below this are two input fields labeled 'Password' and 'ReConfirm', followed by an 'Update' button. A 'Notice' section at the bottom states: 'After clicking the "UPDATE" button, IF the firmware update webpage is not redirected correctly or is shown as "Webpage not found". Please connect to <http://192.168.0.250>'.

3. When this message pops up, click **OK** to proceed the firmware updating procedure.



4. When this page appears, the flash memory of the switch is being erased.



5. When this page appears, click **Browse** to select the latest firmware file (.bin) to update.

| F/W   |   |
|---|---|
| Select the image file:                                  | <input type="text"/> <input type="button" value="Browse..."/> <input type="button" value="UPDATE"/> |
| <a href="http://192.168.0.250">http://192.168.0.250</a> |   |

6. Click **Update**. The uploading process is started.
7. After the firmware is successfully uploaded, the page shows OK. Click **Continue** to re-login the switch.

## Specifications

| Ports                        |   |  |
|------------------------------|---|--|
| Number of Ports              | 18 ports<br>16-port 10/100BaseTX with RJ-45 Connectors, PoE+<br>2-port Gigabit Copper/SFP Combo Uplink Port           |  |
| Performance                  |   |  |
| MAC Address                  | 4 K   |  |
| Buffer Memory                | 2.75 M bits   |  |
| Transmission Method          | Store and Forward   |  |
| Transmission Media           | 10/100 BaseTX Cat. 5 UTP/STP<br>1000 BaseT Cat. 5 / Cat. 5E UTP/STP   |  |
| Filtering / Forwarding Rates | 10 Mbps port - 14,880 pps<br>100 Mbps port - 148,800 pps<br>1000 Mbps port - 1,488,000 pps                            |  |
| Smart Features               |   |  |
| Port Based VLAN              | 18  |  |
| Tagged Based VLAN            | 32, VID = 1~4094  |  |
| IGMP Snooping                | V1 & V2   |  |
| Link Aggregation             | 1, Gigabit ports  |  |
| Quality of Service (QoS)     | High & Low priority queues, 802.1p  |  |
| Security                     | Port & MAC binding, 3 MAC per port  |  |
| Port Management              | Port State, Speed/Duplex, Flow Control Configuration, Port Mirroring, Bandwidth Control, Broadcast Storm Control, PoE |  |
| Administrator Management     | Web Management, Password Protection, Configuration Backup/Restore, Firmware Upgrade                                   |  |
| Mechanical Characteristics   |   |  |
| LED Indicators               | Per Port: Link/Act<br>PoE Act/Status<br>Power   |  |
| Electrical Characteristics   |   |  |
| PoE Power                    | Input   | 100 ~ 240 V/AC, 50 ~ 60 Hz   |
|                              | Output  | IEEE 802.3at Compliant Voltage, Per Port Max. 30 W<br>(16 Ports at Full 15.4 W / 8 Ports at Full 30 W) |
| Max. Power Consumption       | 250 W   |  |



| <b>General</b>                  |  |
|---------------------------------|--|
| Dimensions (H x W x D)          | 44 x 440 x 220 mm (1.73" x 17.32" x 8.66")   |
| Weight                          | 3.3 kg (7.27 lb)   |
| Operating Temperature           | 0°C ~ 40°C (32°F ~ 104°F)  |
| Storage Temperature             | -20°C ~ 90°C (-4°F ~ 194°F)  |
| Humidity                        | 10% ~ 90% RH (non-condensing)  |
| <b>Standards and Regulatory</b> |  |
| Standards                       | IEEE 802.3 10BaseT<br>IEEE 802.3u 100BaseTX<br>IEEE 802.ab 1000BaseT<br>IEEE 802.3z 1000BaseSX/LX<br>IEEE 802.3x Flow Control<br>IEEE 802.3ad Link Aggregation Control Protocol<br>IEEE 802.1Q VLAN<br>IEEE 802.1p Class of Service<br>IEEE 802.1D Spanning Tree Protocol<br>IEEE 802.1w Rapid Spanning Tree Protocol<br>IEEE 802.3at Power Over Ethernet (PoE+) |
| Regulatory                      | CE, FCC Class A  |

**Note:** Specifications are subject to change without prior notice.