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

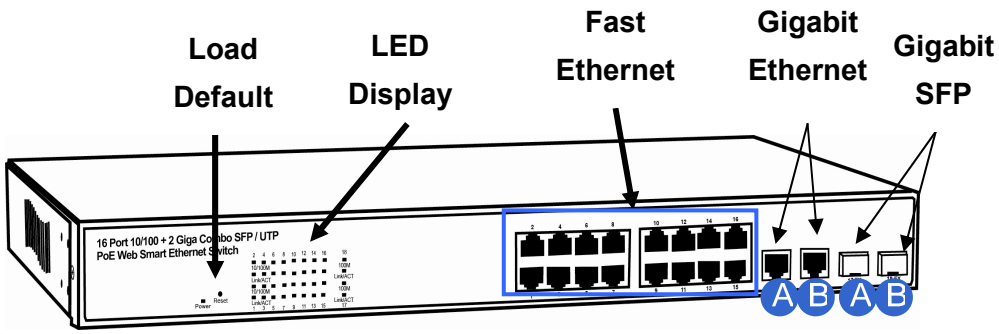


Packing List

1. GV-POE1601-V2 x 1
2. AC Power Cord x 1
3. Screw x 8
4. Rack Mount Kit x 1
5. Software CD 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



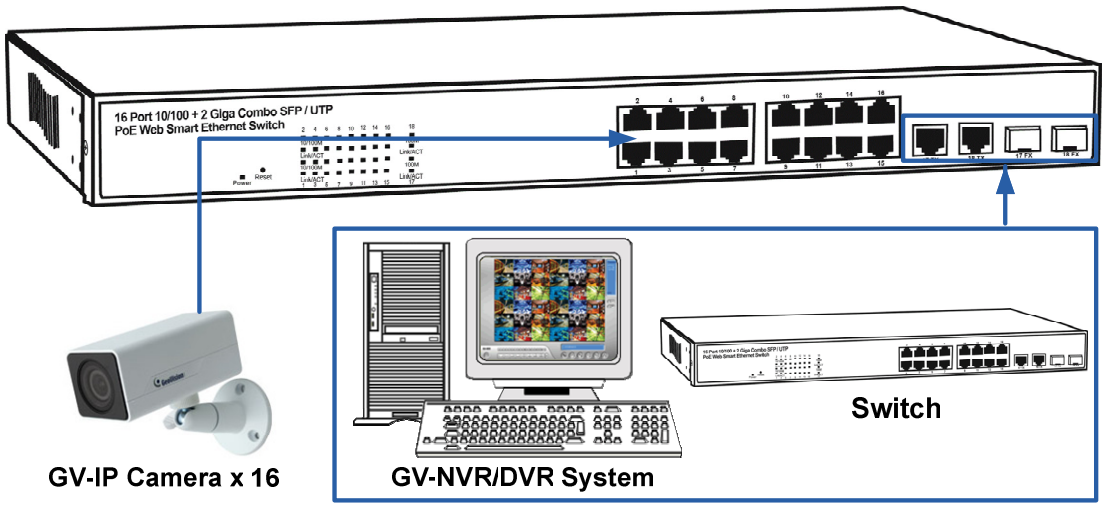
Important: For the usage of Gigabit Ethernet and Gigabit SFP ports, you can only choose one port from group A and one port from group B to connect. Both groups offer one of their ports for connections at a time.

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 (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 (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.



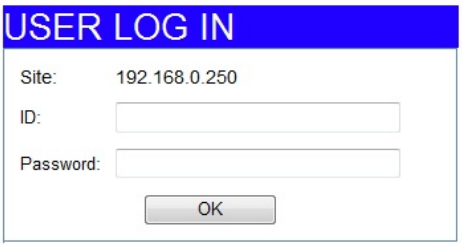
Note: The maximum cable length for Ethernet is 100 meters. For connection that exceeds 100 meters, you can use the Gigabit SFP ports.

Accessing Web Interface

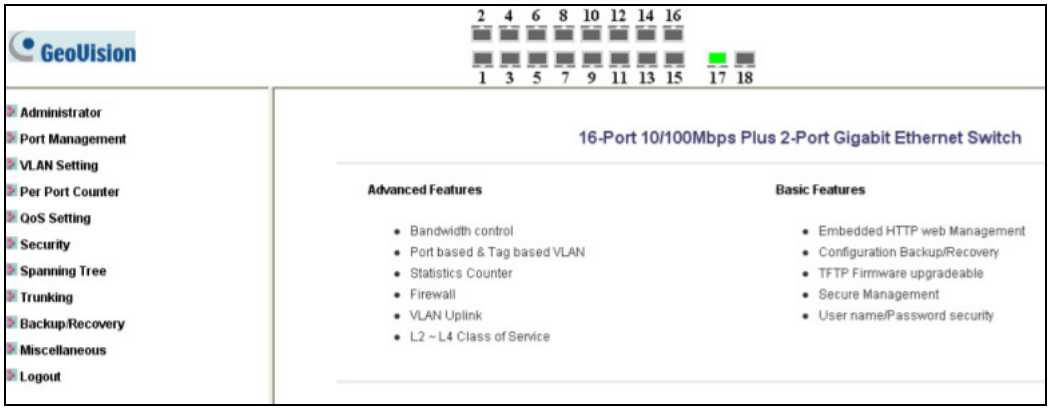
Users can log in Web interface to manage and set up the switch. Follow the below steps to log in the Web user interface.

Note: The device has a default IP \\192.168.0.250. The ID and Password to log in are **admin**.

1. To access the Web user interface, type the default IP \\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**.



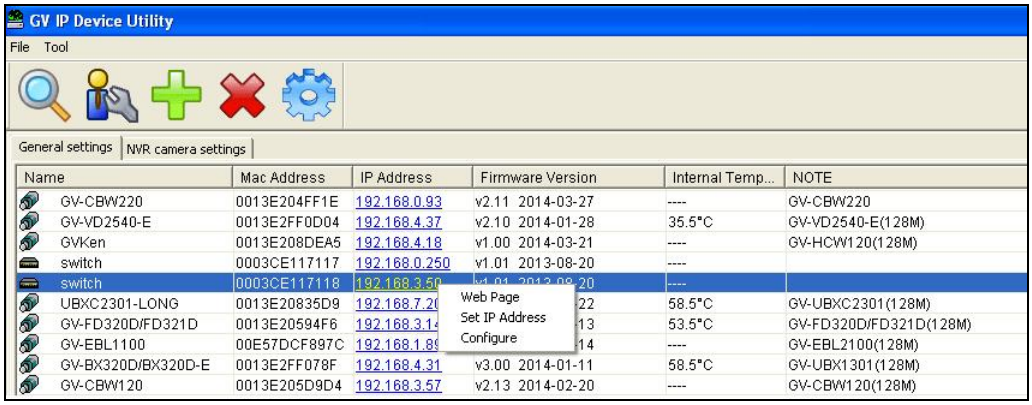
3. When you successfully log in, the Main Page appears. Select the functions from the left menu to manage the switch.



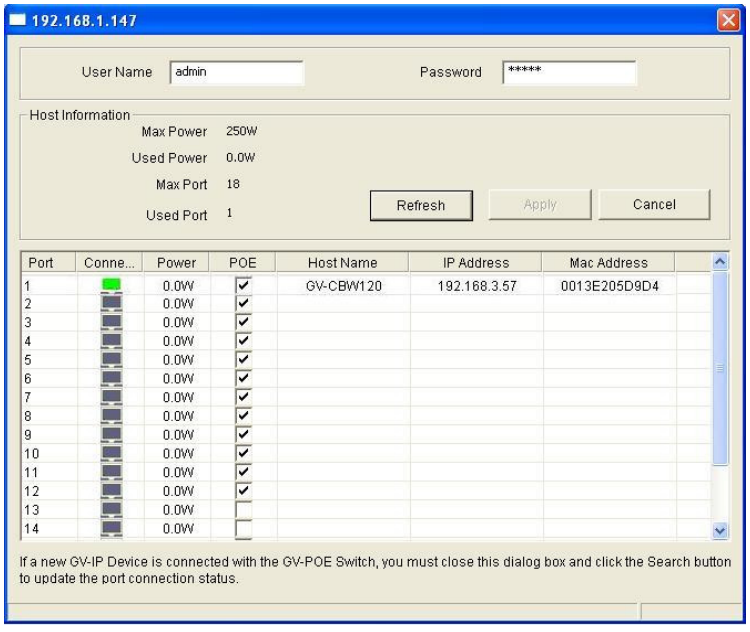
Configuring through GV-IP Device Utility

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.
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.

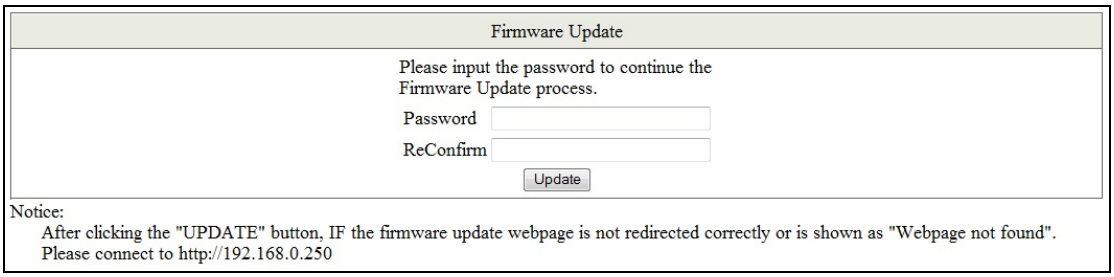
Note: Loading default from the Web interface will not change the user name, password and IP configuration. If you want to restore the default setting of IP address, user name and password, press the **Reset** button on the front panel of the switch.

Updating Firmware

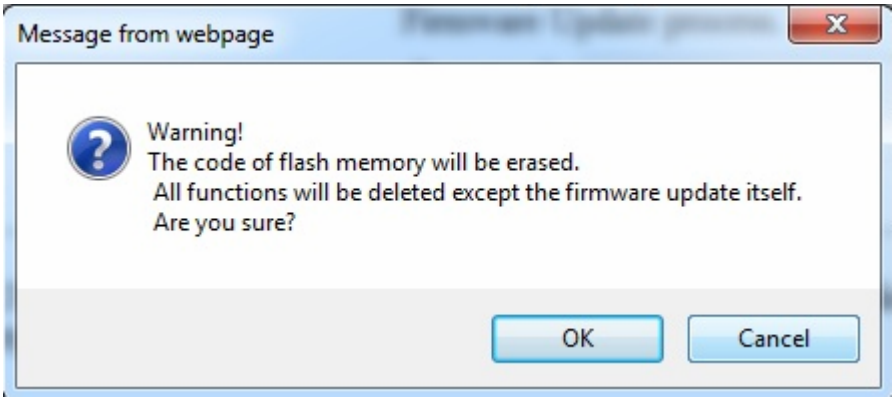
1. On the Web interface, open the **Administrator** tree list, and select **Firmware Update**.



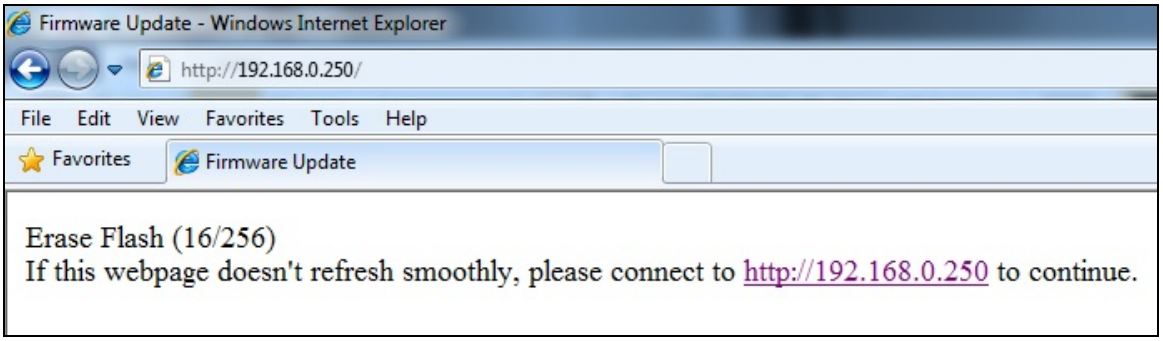
2. Type your password in the Password and ReConfirm fields. Click **Update**.



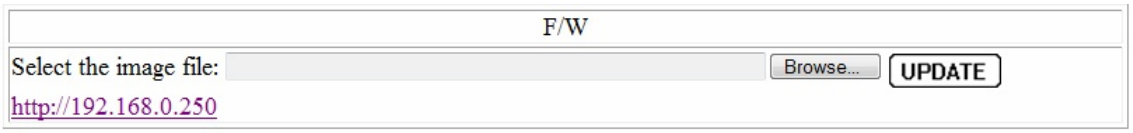
3. When this message pops up, click **OK** to proceed the firmware updating procedure.



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.



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 16-port 10/100BaseTX with RJ-45 Connectors, PoE+ 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 1000 BaseT Cat. 5 / Cat. 5E UTP/STP
Filtering / Forwarding Rates		10 Mbps port - 14,880 pps 100 Mbps port - 148,800 pps 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 PoE Act/Status Power
Electrical Characteristics		
PoE Power	Input	100 ~ 240 V/AC, 50 ~ 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 30 W (16 Ports at Full 15.4 W / 8 Ports at Full 30 W)
Max. Power Consumption		250 W

General	
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)
Standards and Regulatory	
Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.ab 1000BaseT IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Flow Control IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.3at Power Over Ethernet (PoE+)
Regulatory	CE, FCC Class A

Note: Specifications are subject to change without prior notice.