GeoVision inc

Innomedia *seguridad*

GV-POE0812

## 8-Port Gigabit 802.3at Web Management Layer 2+ Full Managed PoE Switch

Packing List

1. GV-POE0812 x 1
2. Screw x 8
3. Rack Mount Kit x 1
4. AC Power Cord x 1
5. Console cable x 1
6. Software CD x 1
7. GV-POE0812 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

LED Display

Gigabit RJ-45 Ports

Gigabit RJ-45/SFP Combo Ports

Console
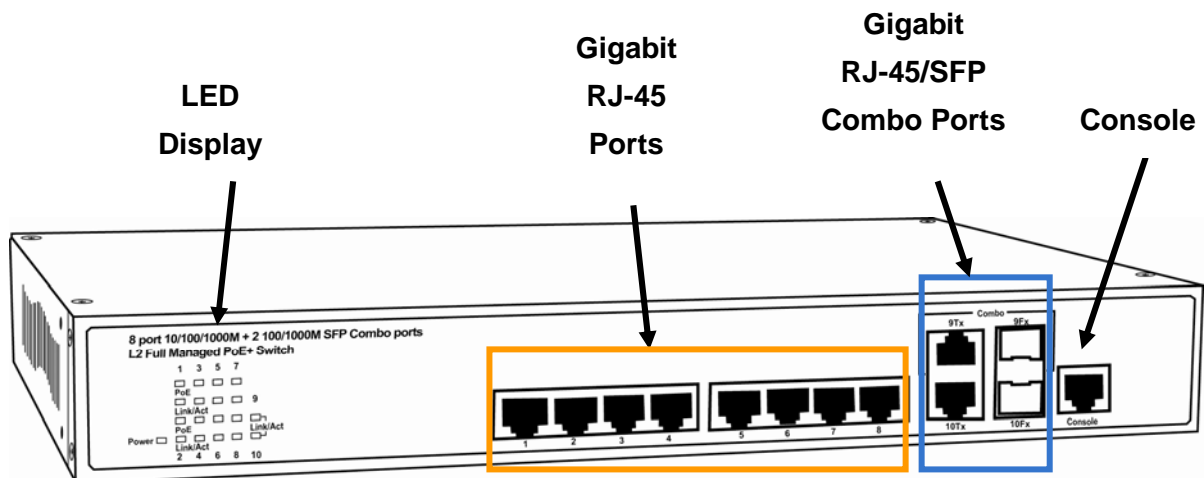
LED Indicators on the switch

LED	Color	Status	Description	No. of LED
Power	Amber	On	Power on	Power
	Off	Off	Power off	
Link / ACT	Green	On	Linked Up	Port 1~8 (10/100M/1000M)
		Blinking	Data activating	
	Off	Off	No connection	
PoE	Amber	On	Port linked to Powered Device	
	Off	Off	No Powered Device connected	
SFP	Green	On	Linked Up	(9TX/9FX & 10TX/10FX)
		Blinking	Data activating	

Note: If a new powered device is connected to the PoE switch and the PoE budget is depleted, the PoE LED will start blinking. No power will be provided and the user must allocate PoE power manually.

IMPORTANT: The 2 SFP ports labeled 9Fx ~ 10Fx are associated with the 2 Gigabit Ethernet ports labeled 9Tx ~ 10Tx respectively. When one of the two associated ports is used, the other port will not work. For example, if the Gigabit SFP port labeled 9Fx is used, the Gigabit Ethernet port labeled 9 Tx will not function.

Connecting up to 8 GV-IP Cameras and 1 GV-NVR/DVR/VMS System

This switch can be connected to up to 8 GV-IP Cameras and 1 GV-NVR/DVR/VMS System. You can also extend the connections by connecting to other switches.

GV-IP Cameras x 8   1 GV-NVR/DVR/VMS System   1 Switch
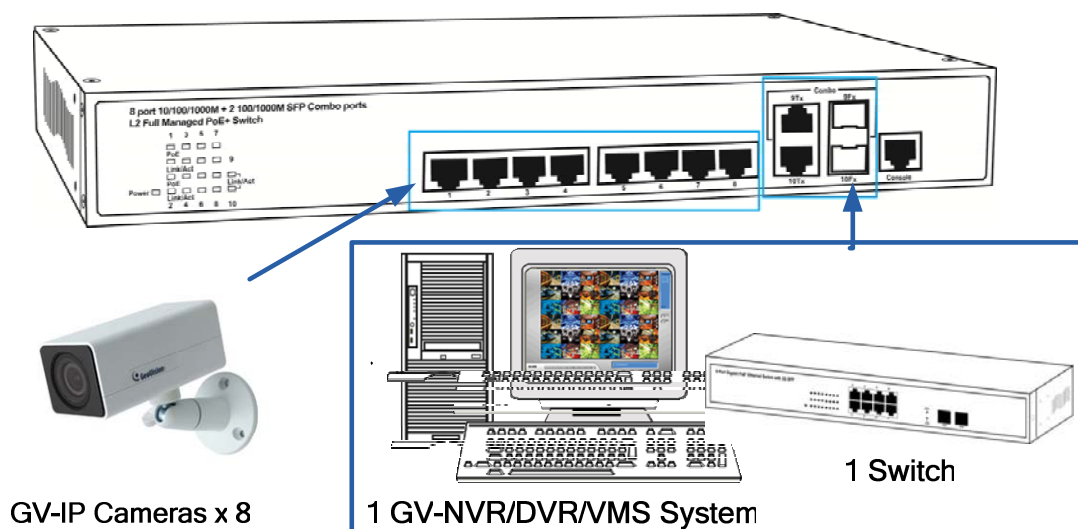
Note: The maximum cable length for Gigabit RJ-45 is 100 meters. For connection that exceeds 100 meters, you can use the Gigabit SFP ports.

Accessing Web Interface

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

Note:

1. The device has a default IP \\192.168.0.250. The default account and password to log in are **admin**.

2. GV-POE0812 does not support IE8.

1. To access the Web user interface, type the default IP \\192.168.0.250 into your Web browser.

2. On the User Log In page, type the default Username and Password admin and click OK.


3. To configure the GV-POE Switch, select the desired functions from the left menu.

Loading Default Setting

1. Connect one end of an Ethernet cable to RJ-45 port 1 and the other to port 2.


2. Turn off and then turn on the switch in the back of GV-POE0812.

3. When LED light 1 and 2 start blinking, unplug the Ethernet cable from port 1 and 2.

4. Log on the Web interface of GV-POE0812.

5. Select **Maintenanc**e, **Configuration** and **Save Startup-config**.

6. Click **Save Configuration**. The switch is restored to its default settings.
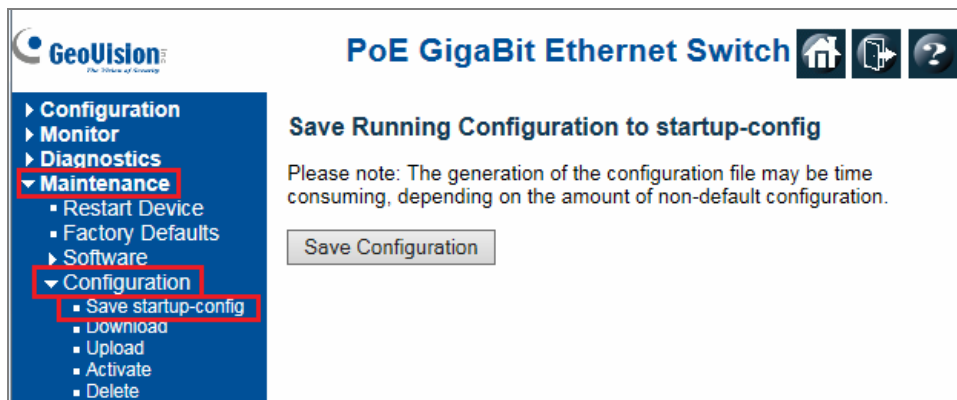
Note: After restoring default settings, you will need to configure IP address and Password again.

Updating Firmware

1. On the Web interface, select **Maintenance**, **Software**, and **Upload**. This page appears.
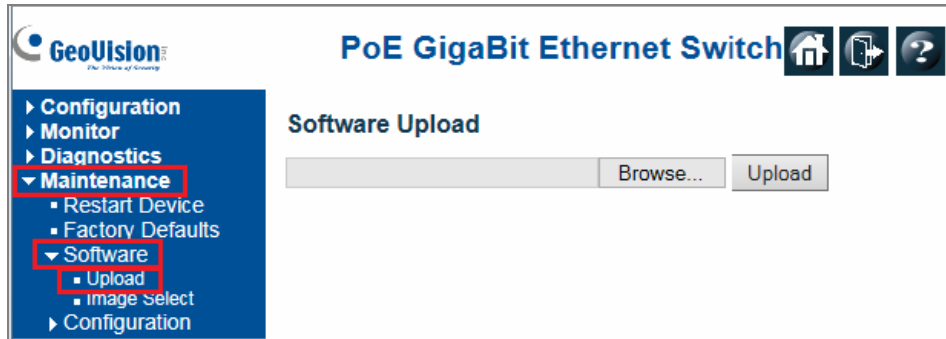
2. Click **Browse** to select the latest firmware file (.dat) for update.

3. Click **Upload**. The uploading process is started.

4. After the firmware is successfully uploaded, click **Logout** from the left menu and re-login the switch.

Specifications

Ports

Number of Ports	11 ports, including: 8-port 10/100/1000BaseT(X) with RJ-45 Connectors, PoE+ 2-port Gigabit Copper/SFP Combo Uplink Port 1-Console Port for CLI Management

Perrmance

MAC Address	8 K
Buffer Memory	4 Mbits
Jumbo Frames	9.6 KB
Transmission Method	Store and Forward
Transmission Media	10/100BaseT(X) Cat. 5 UTP/STP 1000BaseT Cat. 5e, 6 UTP/STP
Filtering/Forwarding Rates	10 Mbps port - 14,880 pps 100 Mbps port - 148,800 pps 1000 Mbps port - 1,488,000 pps
Backplane Capacity	20 Gbps

Smart Features

Port Based VLAN	10
Tag Based VLAN	10, VID 1~4095
IGMP Snooping	V1 & V2 & V3
Link Aggregation	up to 5 groups
Quality of Service (QoS)	up to 8 queues, 802.1p, DSCP
Security	IEEE 802.1X, Source IP Filter, MAC Based Authentication, Web-Based Authentication, HTTPS, SSHv2, RADIUS (Authentication, Accounting), TACACS+ (Authentication), ACL(Access control list)
Port Management	Port State, Speed/Duplex, Flow Control Configuration, Port Mirroring , Broadcast Storm Control, Maximum Frame Size, Excessive Collision Mode, PoE
Administrator Management	Command Line Interface (CLI), Web Based Management, Telnet, Access Management Filtering (SNMP, WEB, SSH, TELNET), SNMP (v1, v2c, v3), RMON (1, 2, 3, 9 groups), DHCP Server (Client, Relay, Option82, Snooping), System Event and Error Log, HTTP for Software Download and Upgrade, Configuration Download and Upload, sFlow, Port Mirroring (One to One, Many to One) Remote Ping, NTP, LLDP, UPnP, IPv6 Configuration

Mechanical Characteristics

LED Indicators	Per Port, PoE, SFP, Power

Electrical Characteristics

PoE Power	Input	100 ~ 240 V/AC, 50 ~ 60 Hz
	Output	IEEE 802.3at Compliant Voltage, Per Port Max. 30 watts (8 Ports at Full 15.4 W / 4 Ports at Full 30 W)
Max. Power Consumption		130 W

General

Dimensions (H x W x D)	44 x 330 x 210 mm (1.73" x 12.99" x 8.26")
Weight	2.5 kg (5.51 lb)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Humidity	5 to 90% RH (non-condensing)

Standards and Regulatory

Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3az EEE IEEE 802.3x Flow Control IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.1Q VLAN Tagging IEEE 802.1p Class of Service, Priority Protocols IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s - Multiple Spanning Tree, IEEE 802.3at Power Over Ethernet (PoE+) IEEE 802.3af Power Over Ethernet (PoE) IEEE802.1v - Protocol VLAN IEEE 802.1AB - LLDP (Link Layer Discovery Protocol) IEEE 802.1X - Access Control
Regulatory	CE, FCC Class A IEC 61000-4-5(Surge) Lv.5: Line to Line 2kV, Line to Ground 6kV

Note: Specifications are subject to change without prior notice.