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## GS-3005P

# User Manual

11-2020 / v1.1

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## **Chapter 1 Safety and Regulatory**

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### **Audience**

This guide is for the networking professionals in managing the standalone GS-3005P switch series. It is recommended that only professionals with experience in Edimax networking devices and who are familiar with the Ethernet and local area networking terminology to service the equipment.

## Chapter 2 Introduction

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Thank you for purchasing an Edimax Gigabit Ethernet PoE+ Web managed switch device. The Series includes both PoE and non-PoE models powered by Edimax's Web Smart PoE and Web Smart interface, respectively.

This document is intended to provide hardware installation instructions as well as an overview of the interface and management functions of the Web Smart web-based software.

### 2-1 Overview

The GS-3005P is a PoE+ web managed switch with 5 Gigabit Ethernet ports. The 1-4 port takes the POE function. The Giga Ethernet Switch provides a seamless network connection with integrated 1000Mbps Gigabit Ethernet, 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities.

### 2-2 Package contents

Before using the product, check that the items listed below are included and in good condition. If any item does not accord with the table, please contact your dealer immediately.



**1**



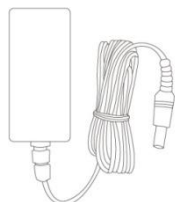
**2**



**3**



**4**



**5**



**6**

- |                                    |                         |
|------------------------------------|-------------------------|
| <b>1.</b> GS-3005P Switch          | <b>4.</b> Power Cord    |
| <b>2.</b> Quick Installation Guide | <b>5.</b> Power Adapter |
| <b>3.</b> CD                       | <b>6.</b> Rubber Feet   |

## 2-3 Features

- IEEE 802.3af/at PoE compliant.
- Five Gigabit Ethernet ports.
- Up to 30W per port (total power budget: 72W) for powering PoE-enabled devices.
- Auto-detection of powered devices (PD) and power consumption levels.
- Auto fault-detection on over/under current & voltage.
- Access Control List (ACL) support.
- Switch capacity: 10Gbps & Forwarding rate: 7.4Mpps.
- IEEE 802.1Q-based VLAN for network segmentation to improve performance and security.
- IEEE 802.1p QoS with 4 priority queues
- IGMP Snooping V1 / V2 / V3 support.
- 2K MAC address table and jumbo frame support up to 9KB.
- Small desktop form-factor for small office and home office

## 2-4 Product Components

### 2-4-1 Ports

The following view applies to GS-3005P.

Figure 1 GS-3005P Front View

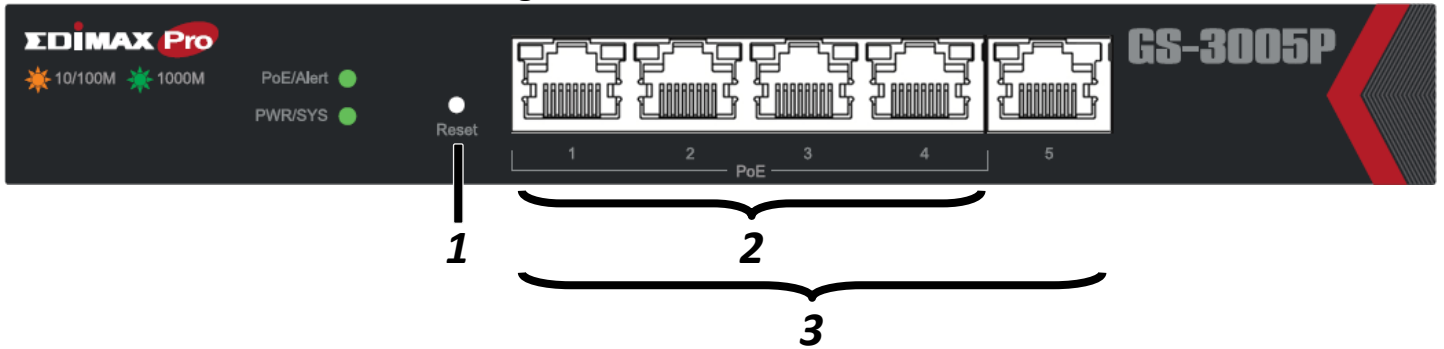
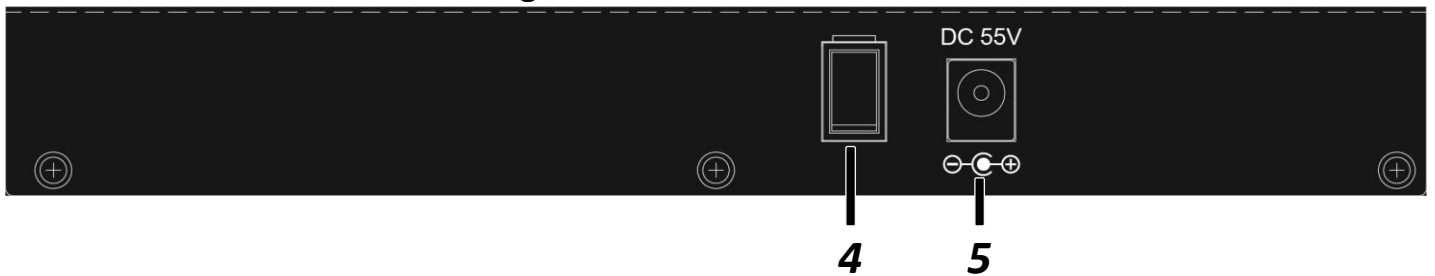


Figure 2 GS-3005P Rear View

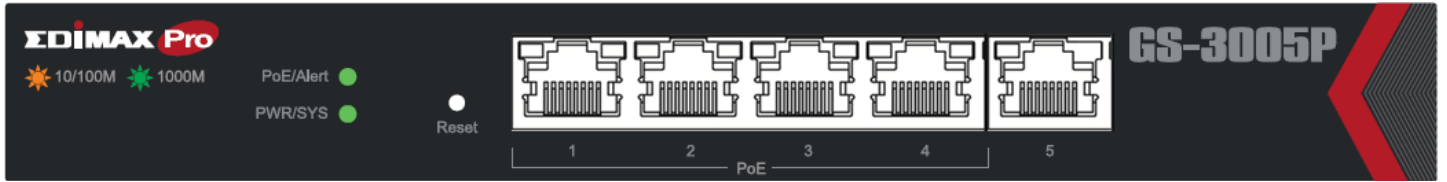


No.	Name	Description
1	Reset button	Press 6 seconds to restore factory default parameters.
2	Ethernet (LAN) PoE ports (1-4)	PoE ports, compatible with IEEE 802.3af, with 60W dedicated internal power.
3	Ethernet (LAN) ports (1-5)	Designed to connect to network devices with a bandwidth of 10Mbps, 100Mbps or 1000Mbps. Each has a corresponding 10/100/1000Mbps LED.
4	Power	Off: power off On: power on
5	DC power in	Supports DC 100 – 240V, 50-60Hz.

## 2-4-2 LED Indicators

The following view applies to GS-3005P.

**Figure 3** LED Indicators



Name	Description
PWR/SYS	Green LED: <ul style="list-style-type: none"> <li>• Off: power off or fail</li> <li>• On: power on</li> <li>• Blinking: system boot-up</li> </ul>
POE/Alert	Green LED: <ul style="list-style-type: none"> <li>• Off: power off or fail</li> <li>• On: power on</li> <li>• PoE power output over 50W PoE power budget</li> </ul>
Port LED	LINK/ACT LED: <ul style="list-style-type: none"> <li>• Off: port disconnected or link fail</li> <li>• Green on: 1000M connected</li> <li>• Amber on: 10/100M connected</li> <li>• Blinking: sending or receiving data</li> </ul>
POE LED	POE/ACT LED: <ul style="list-style-type: none"> <li>• Off: port disconnected or POE fail</li> <li>• Green on: POE supply status</li> </ul>

## Chapter 3 Installation

---

This chapter describes how to install and connect your Edimax Switch. Read the following topics and perform the procedures in the correct order. Incorrect installation may cause damage to the product.

### 3-1 Placement Tips

- Ambient Temperature – To prevent the switch from overheating, do not operate it in an area that exceeds an ambient temperature of 122°F (50°C).
- Air Flow – Be sure that there is adequate air flow around the switch.
- Mechanical Loading – Be sure that the switch is level and stable to avoid any hazardous conditions.
- Circuit Overloading – Adding the switch to the power outlet must not overload that circuit.

Follow these 3 guidelines to install the switch securely.

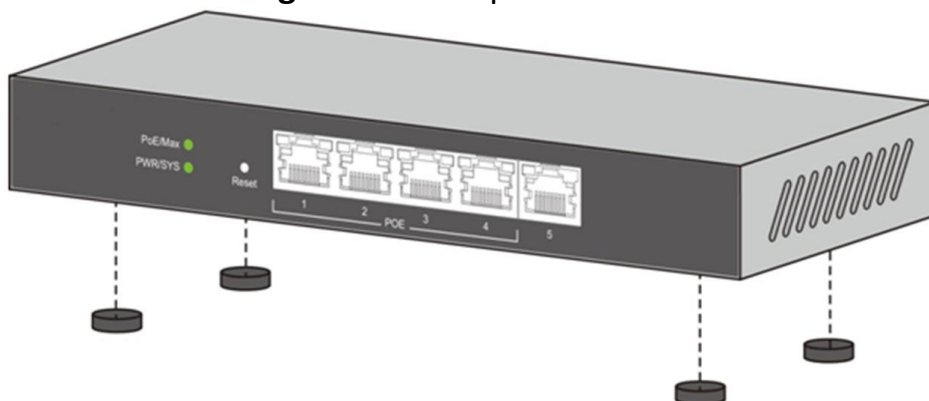
1. Put the switch in a stable place such as a desktop, to avoid it falling.
2. Ensure the switch works in the proper AC input range and matches the labeled voltage.
3. Ensure there is proper heat dissipation and adequate ventilation around the switch.
4. Ensure the switch's location can support the weight of the switch and its accessories.

### 3-2 Desktop Installation

To place the switch on a desktop:

1. Install the four rubber feet (included) on the bottom of the switch.
2. Place the switch on a flat surface.

**Figure 4** Desktop Installation



## Chapter 4 Getting Started

---

This section provides an introduction to the web-based configuration utility, and covers the following topics:

- Powering on the device
- Connecting to the network
- Power over Ethernet (PoE) considerations
- Starting the web-based configuration utility

### 4-1 Power

#### 4-1-1 Connecting to Power

The switch is powered by the DC 100-240 V 50/60Hz internal high-performance power supply. It is recommended to connect the switch with a single-phase three-wire power source with a neutral outlet, or a multifunctional computer professional source.

Connect the DC power connector on the back panel of the switch to the external power source with the included power cord, and check the power LED is on.



**Power down and disconnect the power cord before servicing or wiring a switch.**

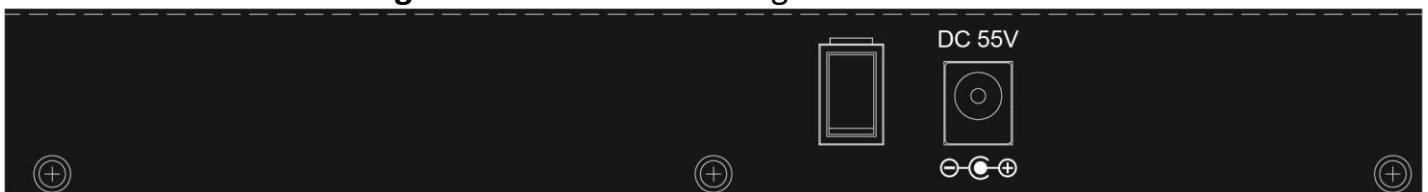


**Do not disconnect modules or cabling unless the power is first switched off. The device only supports the voltage outlined in the type plate. Do not use any other power components except those specifically designated for the switch.**



**Disconnect the power cord before installation or cable wiring.**

**Figure 5** Rear View showing DC Power Socket



## 4-1-2 Connecting to the Network

To connect the switch to the network:

1. Connect an Ethernet cable to the Ethernet port of a computer
2. Connect the other end of the Ethernet cable to one of the numbered Ethernet ports of the switch. The LED of the port will light up to indicate active connection.
3. Repeat Step 1 and Step 2 for the devices to be connected to the switch.

**We strongly recommend using CAT-5E or better cable to connect network devices.**

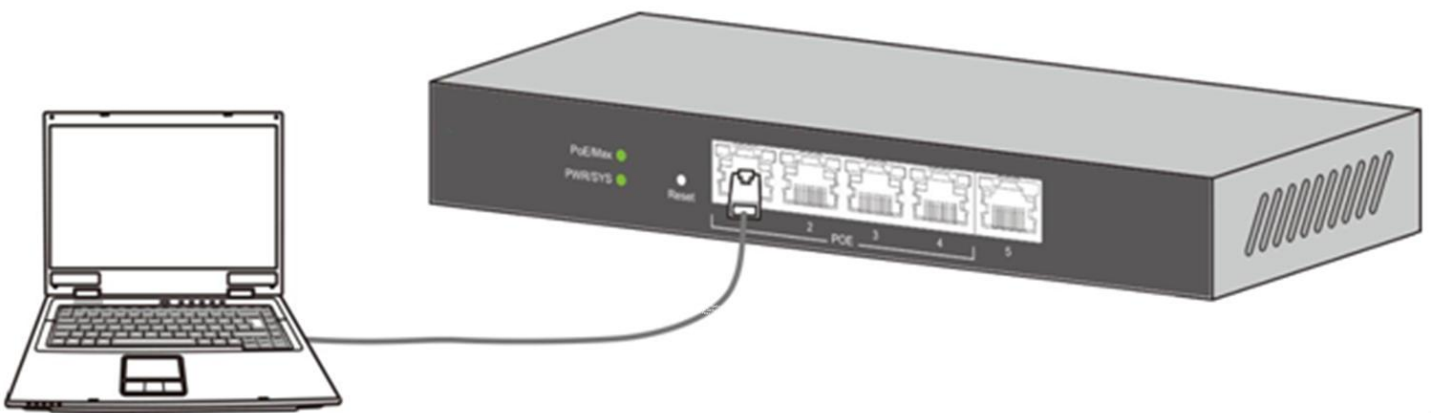


**When connecting network devices, do not exceed the maximum cabling distance of 100 meters (328 feet). It can take up to one minute for the connected devices or the LAN to be operational after it is connected. This is normal behavior.**

Connect the switch to end nodes using a standard Cat 5/5e Ethernet cable (UTP/STP) as shown in the illustration below.

Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which the switch is connected.

**Figure 6** Connecting PC to Switch



### 4-1-3 Power over Ethernet (PoE) Considerations

For PoE switch models, consider the following information:

Devices considered a Power Sourcing Equipment (PSE), can support up to 30 Watts per PoE port on ports 1 to 4 and 30 Watts per PoE port on other ports to a Powered Device (PD).

Model	Power Dedicated to PoE	PoE Ports	PoE Standard Supported
3005P	60W	1 to 4	IEEE802.3at/af

When connecting switches capable of supplying PoE, consider the following information:

- Switch models with PoE function are PSEs. These models are capable of supplying DC power to attached PDs, such as VoIP phones, IP cameras, and wireless access points (APs). PoE switches. Additionally, PoE switches are capable of detecting and supplying power to pre-standard legacy PoE Power Devices. Due to the support for legacy PoE, there is a possibility that PoE switches acting as a PSE may inadvertently detect and supply power an attached PSE, including other PoE switches. This false detection may result in a PoE switch operating improperly and unable to supply power to attached PDs.
- The prevention of a false detection can be easily remedied by disabling PoE on the ports that are used to connect PSEs. Another simple practice to prevent a false detection is to first power up a PSE device before connecting it to a PoE switch.
- When a device is falsely detected as a PD, disconnect the device from the PoE port and power recycle the device with AC power before reconnecting it to the PoE port.

#### 4-1-4 Starting the Web-based Configuration Utility

This section describes how to navigate the web-based switch configuration utility.

#### 4-1-5 Browser Restrictions

- If you are using older versions of Internet Explorer, you cannot directly use an IPv6 address to access the device. You can, however, use the DNS (Domain Name System) server to create a domain name that contains the IPv6 address, and then use that domain name in the address bar in place of the IPv6 address.
- If you have multiple IPv6 interfaces on your management station, use the IPv6 global address instead of the IPv6 link local address to access the device from your browser.

#### 4-1-6 Launching the Configuration Utility

To open the web-based configuration utility:

1. Open a Web browser.
2. Enter the IP address of the device you are configuring in the address bar on the browser (factory default IP address is 192.168.2.1) and press Enter.



**When the device is using the factory default IP address, its power LED will flash continuously. When the device is using a DHCP assigned IP address or an administrator-configured static IP address, the power LED will light up a solid color. Your computer's IP address must be in the same subnet as the switch. For example, if the switch is using the factory default IP address, your computer's IP address can be in the following range: 192.168.2.x (whereas x is a number from 2 to 254).**

After a successful connection, the login window displays.

**Figure 7** Login Window

EDIMAX Pro

Model Name GS-3005P

User Name

Password

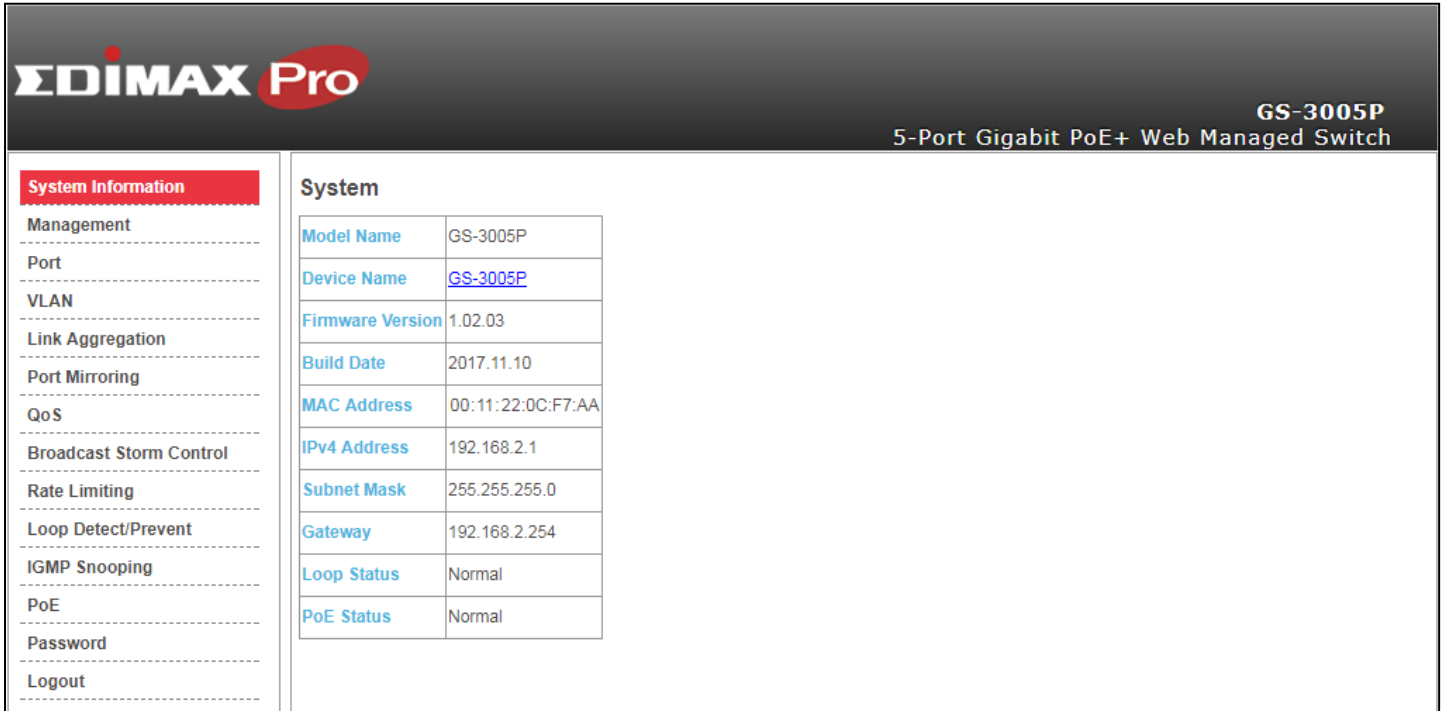
Login

## 4-2 Logging In

The default username is **admin** and the default password is **1234**. The first time that you log in with the default username and password, you are required to enter a new password.

When the login attempt is successful, the System Information Status window displays:

**Figure 8 System Information Status**



The screenshot shows the EDIMAX Pro web interface. The top header includes the EDIMAX Pro logo and the device model name "GS-3005P" and description "5-Port Gigabit PoE+ Web Managed Switch". On the left, a navigation menu lists various system settings. The main content area displays the "System" information in a table.

System	
Model Name	GS-3005P
Device Name	<a href="#">GS-3005P</a>
Firmware Version	1.02.03
Build Date	2017.11.10
MAC Address	00:11:22:0C:F7:AA
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0
Gateway	192.168.2.254
Loop Status	Normal
PoE Status	Normal

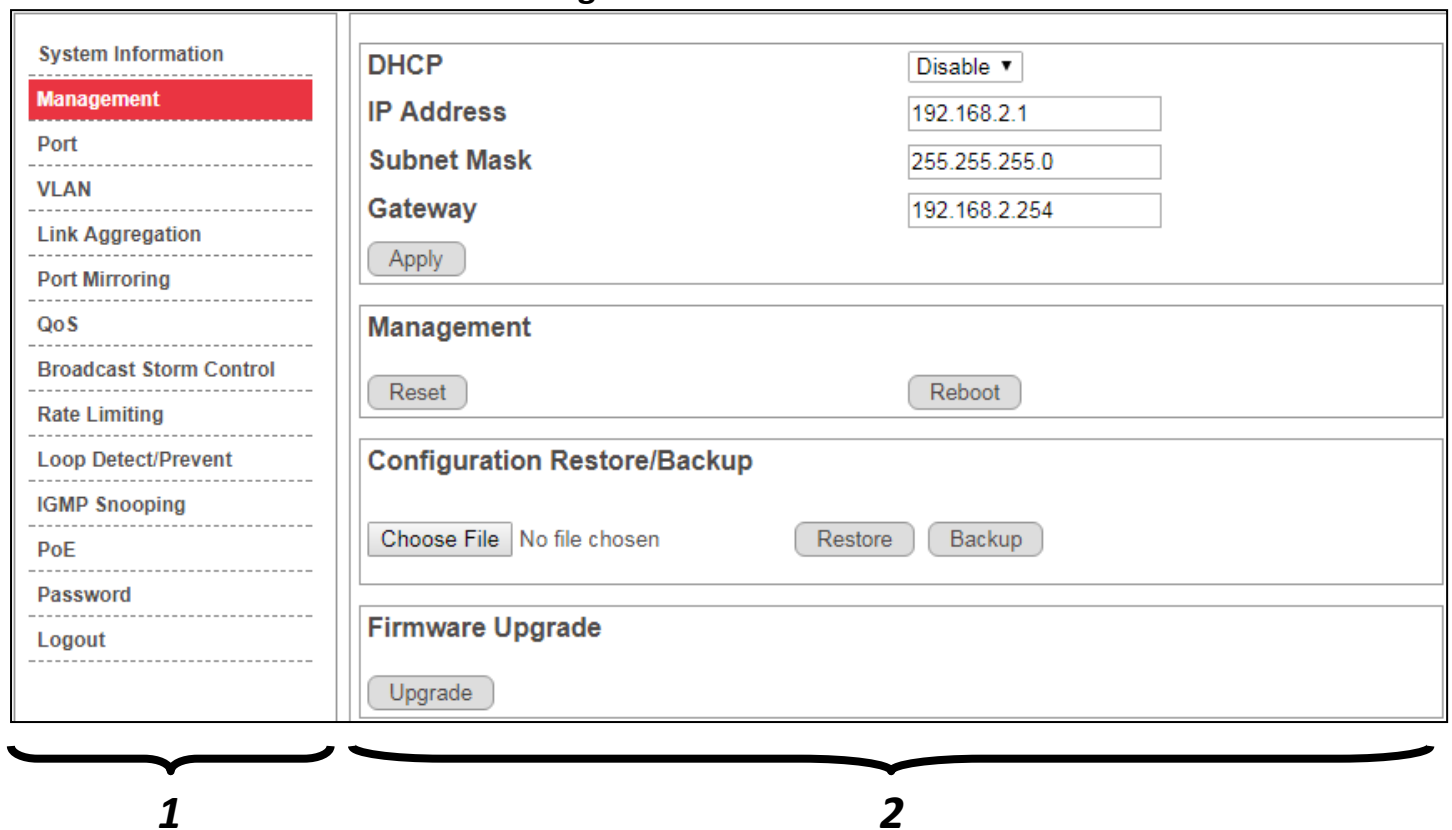
If you entered incorrect username or password, an error message appears and the Login page remains displayed on the window. If you are having problems logging in, please see the Launching the Configuration Utility section in the Administration Guide for additional information.

## Chapter 5 Web-based Switch Configuration

The PoE Smart-Lite switch software provides rich Layer 2 functionality for switches in your networks. This chapter describes how to use the web-based management interface (Web UI) to configure the switch's features.

For the purposes of this manual, the user interface is separated into two sections, as shown in the following figure:

**Figure 9** User Interface



No.	Name	Description
<b>1</b>	Configuration Menu	Navigate to locate specific switch functions.
<b>2</b>	Configuration Settings	Edit specific function settings.

## 5-1 System Information

Use this page to view status information such as Device Name, MAC address, IP Address and loop status.

To view the System Information menu, navigate to System Information.

**Figure 10** System Information

System	
Model Name	GS-3005P
Device Name	<a href="#">GS-3005P</a>
Firmware Version	1.02.03
Build Date	2017.11.10
MAC Address	00:11:22:0C:F7:AA
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0
Gateway	192.168.2.254
Loop Status	Normal
PoE Status	Normal

Item	Description
Model Name	Switch model name.
Device Name	System name of the switch, configurable according to user preference.
Firmware Version	Current firmware version of the device.
Build Date	Device production date.
MAC Address	A unicast MAC address for which the switch has forwarding and/or filtering information. The format is a six-byte MAC address, with each byte separated by colons.
IPv4 Address	Switch IPv4 address on the network.
Subnet Address	A 32-bit number that masks an IP address
Gateway	TCP / IP protocol under the gateway
Loop Status	Displays whether or not loops exist in the network.
PoE Status	Display PoE status

## 5-2 Management

Use this page to reset the switch to original factory default settings, reboot the switch, backup and restore switch settings, and upgrade firmware.

To view the Management menu, navigate to Management.

**Figure 11 Management**

**DHCP** Disable ▾

**IP Address**

**Subnet Mask**

**Gateway**

**Management**

**Configuration Restore/Backup**

No file chosen

**Firmware Upgrade**

Item	Description
<b>DHCP</b>	
Enable	Obtain an IP address automatically.
Disable	Use a static IP address
<b>Management</b>	
Reset	Restore switch to original factory default settings.
Reboot	Reboot switch.
<b>Configuration Restore/Backup</b>	
Browse	Click to browse a remote TFTP server or on local storage, to locate a file with a previously saved switch setting configuration.
Restore	Install selected switch setting configuration file.
Backup	Save current switch setting configuration as a backup file.
<b>Firmware Upgrade</b>	
Upgrade	Install selected firmware file.

## 5-3 Port

Use this page to view traffic information such as Speed, Connection, TX, RX, on each port. The tracking data on each port can also be reset.

To view the Port menu, navigate to Port.

**Figure 12 Port**

Port Setting & Status				
Port	Speed	Connection	TX(Pkts)	RX(Pkts)
1	Auto ▼	Down	0	0
2	Auto ▼	Down	0	0
3	Auto ▼	Down	0	0
4	Auto ▼	Down	0	0
5	Auto ▼	1000 Mbps/Full	894	1100

Item	Description
Port	Designated port number.
Speed	To control the direction and speed of data flow. Auto 10M Half 100M Half 10M Full 100M Full
Connection	Displays whether or not port is in use, and link speed if it is in use.
TX	The total number of packets transmitted by the port.
RX	The total number of packets received by the port.
Clear Counters	Click to reset tracking data.

## 5-4 VLAN

Use this section to create and modify VLANs.

### 5-4-1 IEEE 802.1Q VLAN

To view the IEEE 802.1Q VLAN menu, navigate to VLAN.

**Figure 13** VLAN

**PVID**

Port	01	02	03	04	05
PVID	1	1	1	1	1

Maximum number of IEEE 802.1Q VLAN : 5

VLAN ID	Non-Member	Tag Egress Member	Untag Egress Member			Modify	Delete
	01	02	03	04	05		
1						<input type="button" value="Modify"/>	<input type="button" value="Delete"/>

[Click on button to change member state or remove vlan.](#)

Item	Description
Apply	Click <b>Apply</b> to save the values and update the screen.
Port	Designated port number.
PVID	Enter a VLAN ID for each port.
Create New VLAN	Click <b>Create New VLAN</b> to enter new VLAN settings.
VLAN ID	Virtual LAN ID.
Non-Member	Port is not a member of a VLAN.
Tag Egress Member	Tag outgoing packets of a port which is a member of the VLAN.
Untag Egress Member	Untag outgoing packets of a port which is a member of the VLAN.
Modify	Modify port settings of a specific VLAN.
Delete	Delete a specific VLAN.

## 5-5 Link Aggregation

Use this option to aggregate multiple Ethernet ports together to form a logical port. This feature supports static allocation and Link Aggregation Control Protocol .

To view the Link Aggregation menu, navigate to Link Aggregation.

**Figure 14** Link Aggregation

### Link Aggregation

LACP Global State	Disable ▼				
Link Aggregation Algorithm	MAC SA & D/ ▼				
Link Group Activity	Passive ▼				
Link Group Member	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Port 1</td> <td style="width: 50%; text-align: center;">Port 2</td> </tr> <tr> <td style="text-align: center;">Link Disconnected</td> <td style="text-align: center;">Link Disconnected</td> </tr> </table>	Port 1	Port 2	Link Disconnected	Link Disconnected
Port 1	Port 2				
Link Disconnected	Link Disconnected				

Note: When LACP function is enable, the two corresponding ports can not set to " Static Router Port ".

Item	Description
Apply	Click <b>Apply</b> to save the values and update the screen.
LACP Global State	Enable/disable LCAP.
Link Aggregation Algorithm	Select a link aggregation algorithm: MAC SA & DA MAC DA MAC SA
Link Group Activity	Select link group activity status: Passive Active Active
Link Group Members	The ports that are members of a port channel.

## 5-6 Port Mirror

Port mirroring selects the network traffic for analysis by a network analyzer. This is done for specific ports of the switch. As such, many switch ports are configured as source ports and one switch port is configured as a destination port.

To view the Mirror menu, navigate to Mirror.

**Figure 15** Port Mirroring

### Port Mirroring

Port Mirroring Mode	Ingress ▼
Monitor Port	Port 1 ▼
Mirrored Port	01 02 03 04 05 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Apply

Item	Description
Port Mirroring Mode	Disable port mirroring/Select the port mirroring direction. Disable Ingress Egress Both
Monitor Port	Select the mirror destination port.
Mirrored Port	The ports or configured to mirror traffic to the destination. Multiple source ports can be configured.
Apply	Click <b>Apply</b> to save the values and update the screen.

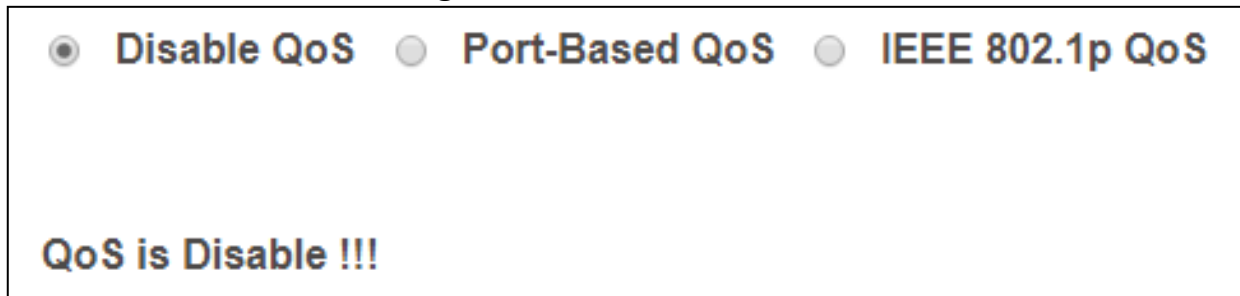
## 5-7 QoS

Use this section to configure Quality of Service (QoS) settings.

### 5-7-1 Disable QoS

To view the Disable QoS menu, navigate to QoS > Disable QoS.

**Figure 16** QoS > Disable QoS



Item	Description
Disable QoS	Enable/disable QoS.
Port-Based QoS	Click to select port-based QoS settings.
IEEE 802.1p QoS	Click to enter IEEE 802.1Q QoS settings.

## 5-7-2 Port-Based QoS

To view the Port-Based QoS menu, navigate to QoS > Port-Based QoS

**Figure 17** QoS > Port-Based QoS

**Disable QoS**  
  **Port-Based QoS**  
  **IEEE 802.1p QoS**

Schedule Method: WFQ ▼

Port	1	2	3	4	5	weight
Queue0	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	1 ▼
Queue1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2 ▼
Queue2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	4 ▼
Queue3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8 ▼

Apply

Queue0 Low Priority  
 Queue1 Normal Priority  
 Queue2 Medium Priority  
 Queue3 High Priority

Item	Description
Disable QoS	Enable/disable QoS.
Port-Based QoS	Click to select port-based QoS settings.
IEEE 802.1p QoS	Port-Based QoS
Port	Designated port number.
Schedule Method	According to the resource allocation strategy of the system, choose the allocated algorithm as Strict Priority or WFQ.
Weight	Queue priority value. More packets are sent from a queue with a higher weight value.
Queue 0-3	Queues used to store traffic until it can be processed or serialized.

To view the Port-Based QoS menu, navigate to QoS > Port-Based QoS

**Figure 18** QoS > Port-Based QoS

Disable QoS  
  Port-Based QoS  
  IEEE 802.1p QoS

Schedule Method Strict Priority ▼

Port	1	2	3	4	5
Queue0	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Queue1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queue2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queue3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Queue0 Low Priority  
 Queue1 Normal Priority  
 Queue2 Medium Priority  
 Queue3 High Priority

Item	Description
Disable QoS	Enable/disable QoS.
Port-Based QoS	Click to select port-based QoS settings.
IEEE 802.1p QoS	Port-Based QoS.
Port	Designated port number.
Scheduler Method	According to the resource allocation strategy of the system to choose the allocated algorithm as Strict Priority or WFQ.
Queue 0-3	Queues used to store traffic until it can be processed or serialized.

### 5-7-3 IEEE 802.1p QoS

To view the IEEE 802.1p QoS menu, navigate to QoS > IEEE 802.1p QoS.

**Figure 19** QoS > IEEE 802.1p QoS

**Disable QoS**    **Port-Based QoS**    **IEEE 802.1p QoS**

Schedule Method: WFQ ▼

Priority	0(low)	1	2	3	4	5	6	7(height)	weight
Queue0	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1 ▼
Queue1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2 ▼
Queue2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	4 ▼
Queue3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	8 ▼

Apply

Queue0 Low Priority  
 Queue1 Normal Priority  
 Queue2 Medium Priority  
 Queue3 High Priority

Item	Description
Disable QoS	Enable/disable QoS.
Port-Based QoS	Click to select port-based QoS settings.
IEEE 802.1p QoS	Click to enter IEEE 802.1Q QoS settings.
Port	Designated port number.
Scheduler Method	According to the resource allocation strategy of the system to choose the allocated algorithm as Strict Priority or WFQ.
Weight	Queue priority value. More packets are sent from a queue with a higher weight value.
Queue 0-3	Queues used to store traffic until it can be processed or serialized.

To view the IEEE 802.1p QoS menu, navigate to QoS > IEEE 802.1p QoS

**Figure 20** QoS > IEEE 802.1p QoS

**Disable QoS**   
 **Port-Based QoS**   
 **IEEE 802.1p QoS**

Schedule Method Strict Priority ▼

Priority	0(low)	1	2	3	4	5	6	7(height)
Queue0	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queue1	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queue2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queue3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

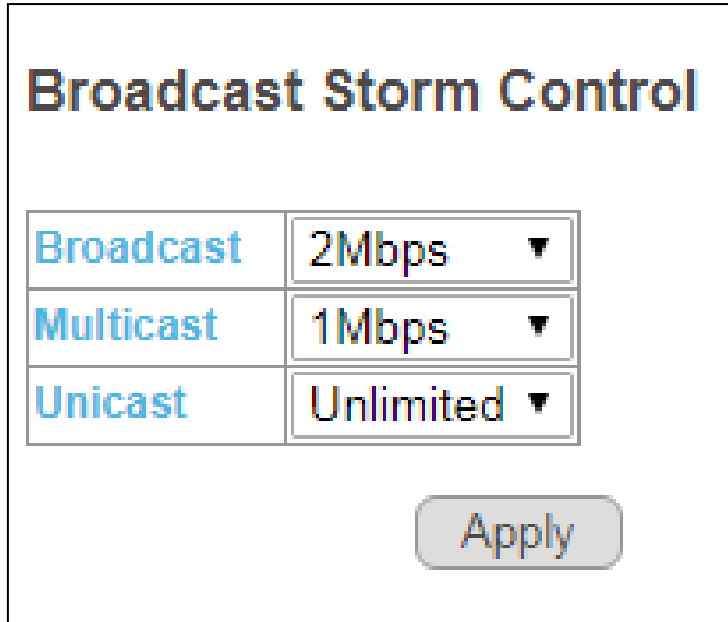
Queue0 Low Priority  
Queue1 Normal Priority  
Queue2 Medium Priority  
Queue3 High Priority

Item	Description
Disable QoS	Enable/disable QoS.
Port-Based QoS	Click to select port-based QoS settings.
IEEE 802.1p QoS	Click to enter IEEE 802.1Q QoS settings.
Port	Designated port number.
Scheduler Method	According to the resource allocation strategy of the system to choose the allocated algorithm as Strict Priority or WFQ.
Queue 0-3	Queues used to store traffic until it can be processed or serialized.

## 5-8 Storm Control

This page allows you to set ingress port monitoring.  
To view the Storm Control menu, navigate to Storm Control.

**Figure 21** Storm Control



**Broadcast Storm Control**

Broadcast	2Mbps ▼
Multicast	1Mbps ▼
Unicast	Unlimited ▼

Apply

Item	Description
Broadcast	Set Broadcast storm control limit: <ul style="list-style-type: none"><li>• Unlimited</li><li>• 512Kbp/s to 512Mbp/s</li></ul>
Multicast	Set Multicast storm control limit: <ul style="list-style-type: none"><li>• Unlimited</li><li>• 512Kbp/s to 512Mbp/s</li></ul>
Unicast	Set Unicast storm control limit: <ul style="list-style-type: none"><li>• Unlimited</li><li>• 512Kbp/s to 512Mbp/s</li></ul>
Apply	Click <b>Apply</b> to save the values and update the screen.

## 5-9 Rate Limiting

This page allows you to display and configure ingress and egress port monitoring settings. Use this page to configure ingress and egress rate limit settings. To view the Rate Limiting menu, navigate to Rate Limit.

**Figure 22** Rate Limit

### Rate Limiting

Port	Ingress rate	Egress rate
1	Unlimited ▼	Unlimited ▼
2	Unlimited ▼	Unlimited ▼
3	Unlimited ▼	Unlimited ▼
4	Unlimited ▼	Unlimited ▼
5	Unlimited ▼	Unlimited ▼

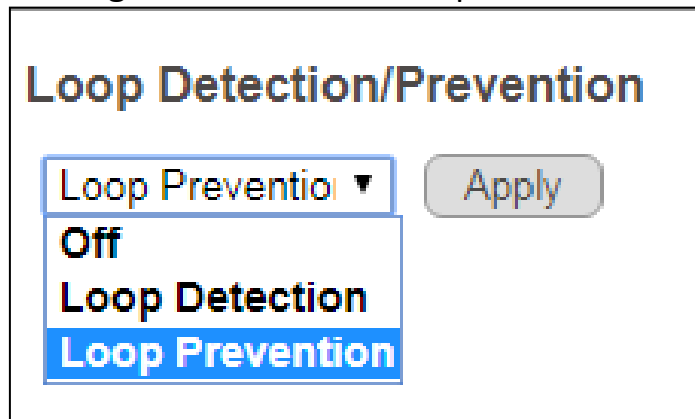
Item	Description
Apply	Click <b>Apply</b> to save the values and update the screen.
Port	Designated port number.
Ingress rate	Select to configure the upper limit on how much traffic can enter a port: <ul style="list-style-type: none"> <li>• Unlimited</li> <li>• 512Kbp/s to 512Mbp/s</li> </ul>
Egress rate	Select to configure the upper limit on how much traffic can exit a port: <ul style="list-style-type: none"> <li>• Unlimited</li> <li>• 512Kbp/s to 512Mbp/s</li> </ul>

## 5-10 Loop Detect/Prevent

Use this section to enable/disable and configure network routing loop detection. Select settings from the drop down menu.

To view the Loop Detection/Prevention menu, navigate to Loop Detection/Prevention.

**Figure 23** Network > Loop Detection



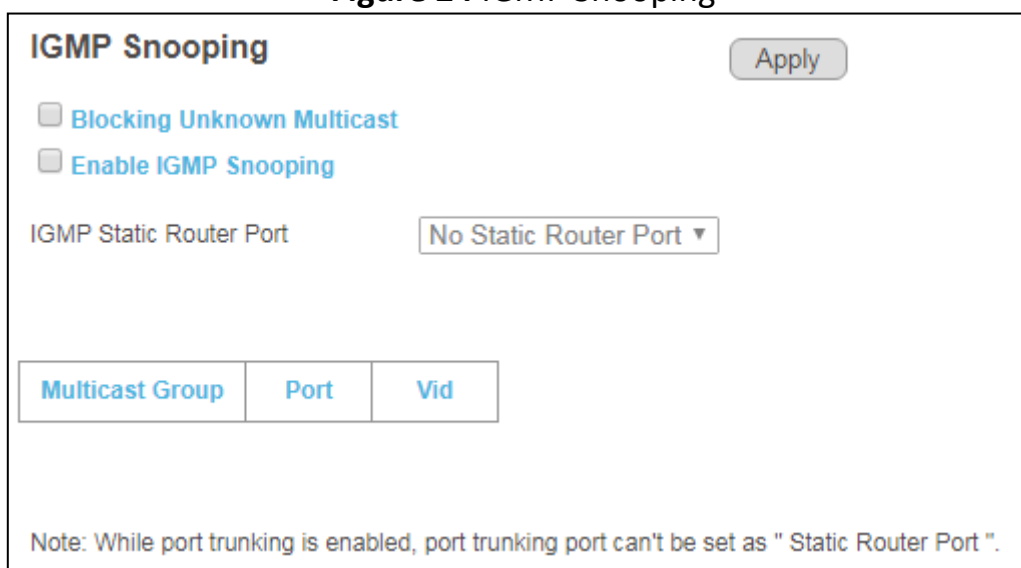
Item	Description
Off	Disable loop detection and prevention.
Loop Detection	Enable loop detection.
Loop Prevention	Enable loop prevention
Apply	Click <b>Apply</b> to save the values and update the screen.

## 5-11 IGMP Snooping

Use this section to create an IGMP Snooping Profile. Internet Group Management Protocol (IGMP) Snooping is a feature that allows a switch to forward multicast traffic intelligently on the switch. Multicast IP traffic is traffic that is destined to a host group. Host groups are identified by class D IP addresses, which ranges from 224.0.0.0 to 239.255.255.255. Based on the IGMP query and report messages, the switch forwards traffic only to the ports that request the multicast traffic. This prevents the switch from broadcasting the traffic to all ports and possibly affecting network performance.

To view the IGMP Snooping menu, navigate to IGMP Snooping.

**Figure 24** IGMP Snooping



**IGMP Snooping** Apply

Blocking Unknown Multicast

Enable IGMP Snooping

IGMP Static Router Port No Static Router Port ▾

Multicast Group	Port	Vid
-----------------	------	-----

Note: While port trunking is enabled, port trunking port can't be set as "Static Router Port".

Item	Description
Enable IGMP Snooping	Enable/disable IGMP snooping.
IGMP Static Router Port	Select a static port on which to snoop, either <b>No Static Router Port</b> , or one of ports 1-8.
Apply	Click <b>Apply</b> to save the values and update the screen.

## 5-12 PoE

Use this section to configure PoE settings for the switch and its ports. PoE Global Settings and PoE Status

To view the PoE Global Settings and PoE Status menu, navigate to PoE.

**Figure 25 PoE Menu**

PoE Global Settings	
PSE Total Power	60W
PSE MAX LED Power	50W
PSE voltage	55.8V

PoE Status			
Port	Power Status	Power consumption(W)	Real Temperature(°C)
<a href="#">1</a>	Turned on	0	47
<a href="#">2</a>	Turned on	0	47
<a href="#">3</a>	Turned on	0	48
<a href="#">4</a>	Turned on	0	51

Turned on:4 Total Power:0 W

Item	Description
<b>PoE Global Settings</b>	
PSE Total Power	Enter values for PSE1 and PSE2, for a total PSE power which must not exceed 60W.
PoE MAX LED Power	Displays the maximum power supplied to LEDs.

Item	Description
PSE vport voltage	Displays voltage supplied to ports.
<b>PoE Status</b>	
Port	Designated port number. Click individual port numbers to enter PoE port configuration menu for each port.
Power Status	Displays current port power status, on or off.
Real Power (W)	Displays power drawn by the port, in Watts.

## 5-12-1 PoE Port Configuration

To view the PoE Port Configuration menu, navigate to PoE > PoE Status and click on an individual port number.

**Figure 26** PoE > PoE Status > Port Number

### PoE port configuration

Port	Power Supply
1	Turn on ▼
2	Turn on ▼
3	Turn on ▼
4	Turn on ▼

Item	Description
Port	Designated port number.
Power Supply	Use the drop down menu to select port power supply options: Turn on Turn off
Apply	Click <b>Apply</b> to save the values and update the screen.

## 5-13 Password

Use these settings to change an account password.  
To view the Password menu, navigate to Password.

Figure 27 Password

### Change Password

**New User Name:**

**New Password:**

**Confirm New Password:**

**Note:**  
Password can only use "a-z", "A-Z", "0-9" and the length is at least 4, max is 20.

Item	Description
Confirm	Click <b>Confirm</b> to save the values and update the screen.
Old Password	Enter current password.
New Password	Enter new password.
Confirm New Password	Enter new password again to confirm.

## 5-14 Logout

Click Logout to leave the switch management menu and close the web management session.

By default, the application logs out after five minutes of inactivity.

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1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

### FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 2014/30/EU OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

### Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

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### EU Countries Not Intended for Use

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**Equipment: 5-Port Gigabit PoE+ Web Managed Switch**

**Model No.: GS-3005P**

The following European standards for essential requirements have been followed:

### Directives 2014/30/EU

EMC : EN 55032:2015 Class B  
EN 61000-3-2:2014 Class A  
EN 61000-3-3:2013  
EN 55024:2010+A1:2015

### Directives 2014/35/EU

Safety (LVD) : IEC 62368-1:2014 (2nd Edition) and/or EN 62368-1:2014+A11:2017

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Taiwan



Date of Signature: Nov., 2020

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

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