

GS-5208PLG

User Manual

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Edimax Technology Co., Ltd.

No. 278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan

Email: support@edimax.com.tw

Edimax Technology Europe B.V.

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: support@edimax.nl

Edimax Computer Company

3350 Scott Blvd., Bldg.15 Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

Email: support@edimax.com

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Chapter 1 Product Information

1-1 Product Overview

The Giga Ethernet POE Switch provides a seamless network connection, with integrated 1000Mbps Gigabit Ethernet, 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities.

1-2 Features

- IEEE 802.3af/at PoE compliant.
- Eight Gigabit Ethernet ports.
- Up to 30W per port (total power budget: 160W) 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:20Gbps & Forwarding rate:14.88Mpps.
- 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.
- 4K MAC address table and jumbo frame support up to 9KB.
- 19-inch 1U rack-mount brackets included.

1-3 External Component Description

1-3-1 Front Panel

The front panel of the Switch consists of 8 x 10/100/1000Mbps RJ-45 + 2 x SFP ports, and a series of LED indicators as shown as below:

Front Panel



10/100/1000Mbps RJ-45 ports (1-8):

It is designed to connect to the devices of bandwidth of 10Mbps, 100Mbps or 1000Mbps. Each bandwidth has a corresponding 10/100/1000Mbps LED.

LED indicators:

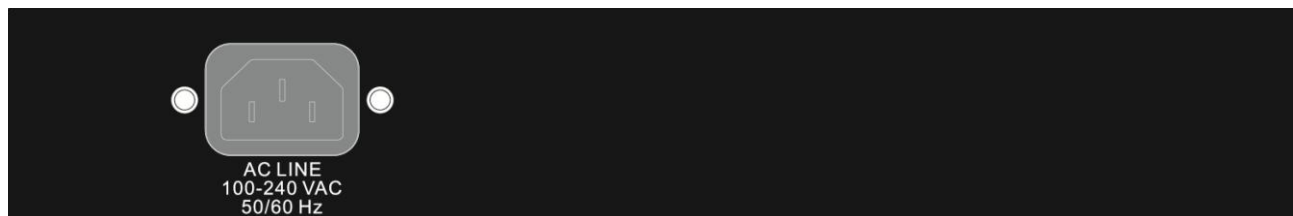
The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the Switch, the connection(s) or other attached devices.

	Color	Status	Description
PWR/SYS	Green	Off	Power off or fail
		On	Power on
		Blinking	System boot-up
PoE Alert	Green	On	PoE power output over 90% PoE power
		Off	PoE power output under 90% PoE power
Link/ACT	Green	On	1000Mbps connected
		Blinking	Data transmitting
	Amber	On	10/100Mbps connected
		Blinking	Data transmitting
	Off		Disconnected or fail
SFP	Green	Green On	1000FX connected
		Blinking	Data transmitting
		Off	Disconnected or fail
PoE	Green	On	PoE power output on
		Off	PoE power output off

1-3-2 Rear Panel

The rear panel of the Switch houses an AC power connector as shown below:

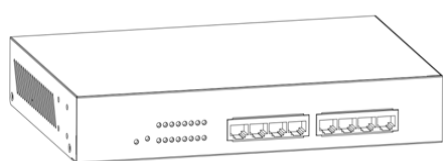
Rear Panel



AC Power Connector:

Power is supplied through an AC power cable. It supports AC 100 - 240V, 50 - 60Hz.

1-4 Package Contents



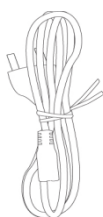
1



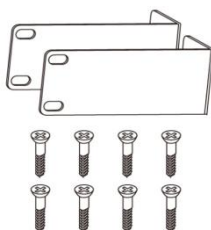
2



3



4



5

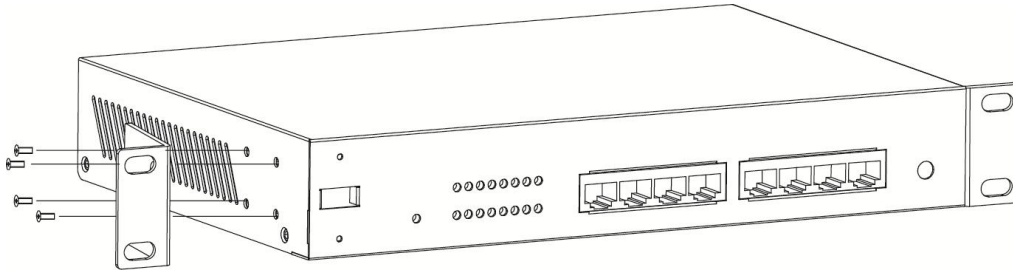
1. GS-5208PLG Switch
2. Quick Installation Guide
3. CD

4. Power Cord
5. Rack-Mount Kit & Screws

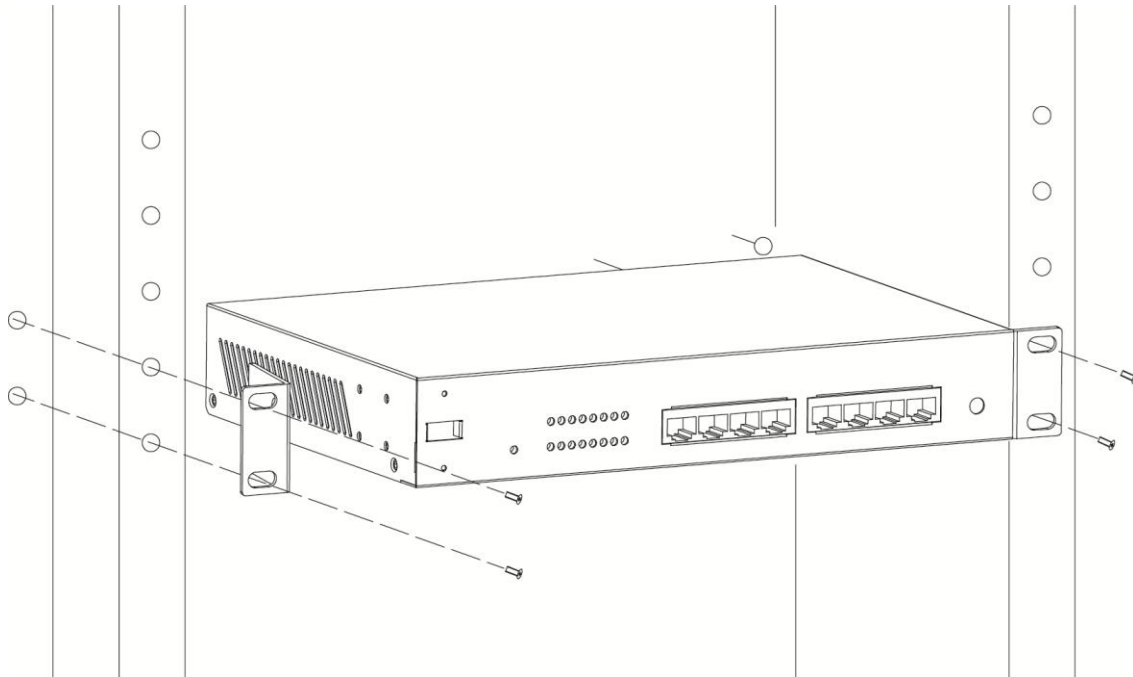
1-5 Rack-mountable Installation

This part describes how to install your Gigabit Ethernet Switch. Please read the following topics and perform the procedures in the order being presented.

- a. Attach the mounting brackets on the Switch's side panels (one on each side) and secure them with the screws provided.



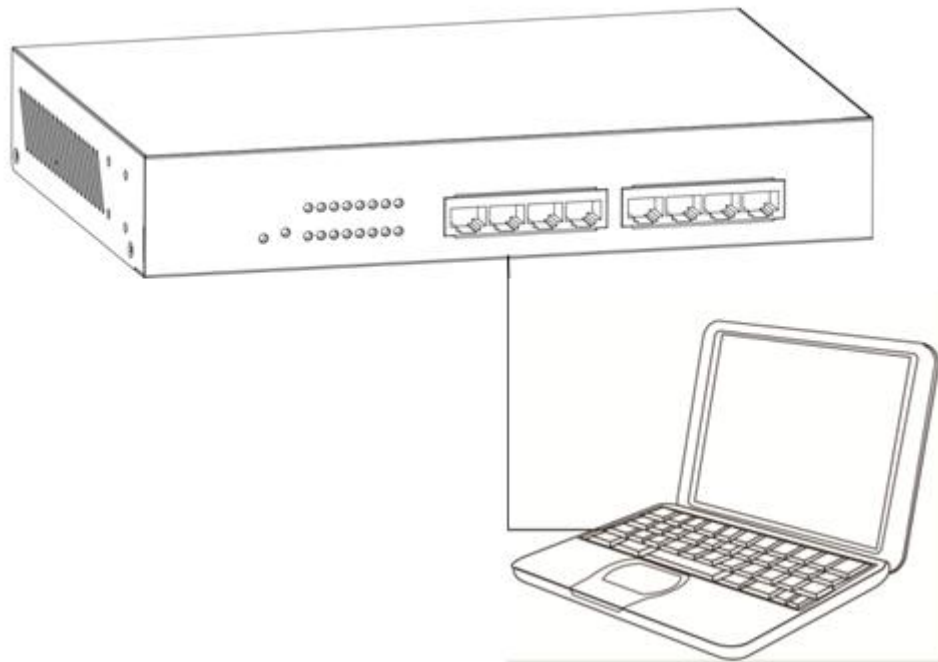
- b. Mount the switch on the equipment rack using the screws provided and tighten them.



Chapter 2 Connect & Login

2-1 Switch to End Node

Use a standard Cat.5/5e Ethernet cable (UTP/STP) to connect the Switch to end nodes as shown below. Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which it is connected to.




Please refer to the LED Indicator Specification in **1-3-1 Front Panel**. The LINK/ACT/Speed LEDs for each port turns on when the link is available.

2-2 Login

Open a web browser and go to the switch's IP address. The default IP address is **192.168.2.2**. Your computer's IP address must be in the same subnet as the switch. For the default IP address this is any IP address in the range **192.168.2.x (x = 3 – 254)**. You can modify the IP address of your computer if you need.


Parameter	Default Value
Default IP address	192.168.2.1
Default user name	admin
Default password	1234

1. Enter the switch's IP address (**192.168.2.1**) in the URL bar of a web browser. IE 7 or above is recommended.
2. At the following screen login with the default username "**admin**" and password "**1234**".

The image shows a login interface for EDIMAX Pro. At the top, the logo "EDIMAX Pro" is displayed in white and red. Below the logo, there are two input fields. The first field is labeled "User Name" with a user icon to its left. The second field is labeled "Password" with a lock icon to its left. Both fields are currently empty. Below these fields is a grey button labeled "Login".

EDIMAX Pro	
	User Name <input type="text"/>
	Password <input type="password"/>
<input type="button" value="Login"/>	

3. You will arrive at the switch configuration window as shown below:



GS-5208PLG
8-Port Gigabit PoE+ with 2 SFP Slots Web Smart Switch

System	<div>System</div> <table><tr><td>Model Name</td><td>GS-5208PLG</td></tr><tr><td>Device Name</td><td>Smart Switch</td></tr><tr><td>Firmware Version</td><td>1.00.20</td></tr><tr><td>Build Date</td><td>2017.07.28</td></tr><tr><td>MAC Address</td><td>00:23:79:00:23:79</td></tr><tr><td>IPv4 Address</td><td>192.168.2.1</td></tr><tr><td>Subnet Mask</td><td>255.255.255.0</td></tr><tr><td>Gateway</td><td>192.168.2.254</td></tr><tr><td>Loop Status</td><td>Normal</td></tr><tr><td>PoE Status</td><td>Normal</td></tr></table>	Model Name	GS-5208PLG	Device Name	Smart Switch	Firmware Version	1.00.20	Build Date	2017.07.28	MAC Address	00:23:79:00:23:79	IPv4 Address	192.168.2.1	Subnet Mask	255.255.255.0	Gateway	192.168.2.254	Loop Status	Normal	PoE Status	Normal
Model Name		GS-5208PLG																			
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Firmware Version		1.00.20																			
Build Date		2017.07.28																			
MAC Address		00:23:79:00:23:79																			
IPv4 Address		192.168.2.1																			
Subnet Mask		255.255.255.0																			
Gateway		192.168.2.254																			
Loop Status		Normal																			
PoE Status		Normal																			
Management																					
Port																					
VLAN																					
Trunking																					
Mirror																					
QoS																					
Broadcast Storm Control																					
Rate Limiting																					
Loop Detect/Prevent																					
IGMP Snooping																					
PoE																					
Password																					
Logout																					

Chapter 3 Switch Configuration

System
Management
Port
VLAN
Trunking
Mirror
QoS
Broadcast Storm Control
Rate Limiting
Loop Detect/Prevent
IGMP Snooping
PoE
Password
Logout

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

System	This link displays device information and allows you to configure device name and IP.
Management	This link allows you to perform functions such as firmware or configuration file maintenance, and system reset or reboot.
Port	This link allows you to check Link Status, TX/RX counter, Loop Status and Loop Reset.
VLAN	This link allows you to configure port-based or 802.1Q VLAN.
Trunking	This link allows you to logically aggregate physical links to form one logical, higher-bandwidth link.
QoS	This link allows you to enable Port-Based QoS or IEEE 802.1p QoS
Broadcast Storm Control	This link allows you to set up broadcast rate limit on every port.
Loop Detect/Prevent	This link allows you to check Loop Detection and Loop Prevention
IGMP Snooping	This link allows you to configure IGMP Snooping.
PoE	This link allows you to can configure PoE.
Password	This link allows you to change the system login password.
Logout	Logout system.

3-1 System

View device information and status such as firmware version number, Device Name, MAC address, IP Address, Loop Status, PoE Status, etc. Use this screen to configure device name and IPv4 address.

System	
Model Name	GS-5208PLG
Device Name	Smart Switch
Firmware Version	1.00.20
Build Date	2017.07.28
MAC Address	00:23:79:00:23:79
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0
Gateway	192.168.2.254
Loop Status	Normal
PoE Status	Normal

LABEL	DESCRIPTION
Model Name	This field displays the model of the Switch.
Device Name	This field displays the descriptive name of the Switch for identification purposes.
Firmware Version	This field displays the version number of the Switch's current firmware.
Build Date	This field displays the date the current firmware was created.
MAC Address	This field refers to the Ethernet MAC (Media Access Control) address of the Switch.
IPv4 Address	This field displays the current IP of the Switch.
Subnet Mask	This field displays the current subnet mask of the Switch.
Loop Status	Normal indicates that no loop occurs on any port; Loop is displayed otherwise.
PoE Status	Normal indicates that PoE devices are normal; Error is displayed otherwise.

3-1-1 Device Name Setup

Go to **System > Device Name**

Click the Device Name to change the name as shown below:

System	
Model Name	GS-5208PLG
Device Name	Smart Switch

Device Name:	<input type="text"/>
<input type="button" value="Apply"/> <input type="button" value="Clear"/>	

Choose a descriptive name for identification purposes. The name should be consisted of up to 20 characters; "a-z", "A-Z", "0-9" and hyphen and underscore are allowed.

3-2 Management

Use this page to manage firmware and your configuration files. Click **Management** in the navigation panel to open the following screen.

DHCP

Disable ▾

IP Address

192.168.2.1

Subnet Mask

255.255.255.0

Gateway

192.168.2.254

Apply

Management

Reset

Reboot

Configuration Restore/Backup

Choose File

No file chosen

Restore

Backup

Firmware Upgrade

Upgrade

The Switch needs an IP address for it to be managed over the network. The factory default in-band IP address is 192.168.2.1. The subnet mask specifies the network number portion of an IP address. The factory default subnet mask is 255.255.255.0.

LABEL	DESCRIPTION
IP Address	Enter the IP address of your Switch in dotted decimal notation for example 192.168.2.1.
Subnet Mask	Enter the IP subnet mask of your Switch in dotted decimal notation for example 255.255.255.0.
Gateway	Enter the IP address of your Switch in dotted decimal notation for example 192.168.2.1.
BUTTON	DESCRIPTION
Reset	Click Reset to reset the Switch to its factory default setting.
Reboot	Click Reboot to restart the Switch. This will take up to five seconds and will not affect current configuration.
Backup	Back up your current Switch configuration to a computer. 1. Click Backup , and the Save As screen will be displayed. 2. Choose a location to save the file.

Restore	<p>Restore the Switch to a previously saved configuration from your computer. Use the Configuration Restore/Backup screen.</p> <ol style="list-style-type: none">1. Click Path to locate the configuration file you wish to restore2. Select the file and click Restore.
Upgrade	<p>To upgrade your Switch's firmware version.</p> <p>Please make sure you have downloaded (and unzipped) the correct model firmware and firmware version before upgrading.</p> <ol style="list-style-type: none">1. Click Path to locate the firmware file you wish to upload to the Switch2. Select the file and click Upgrade.3. After firmware upgrade, go to the System screen to verify current firmware version.

3-3 Port

To view port statistics, click **Port** in the web configuration menu.

Port Status			
Port	Link Status	TX	RX
1	Down	0	0
2	Down	0	0
3	Down	0	0
4	Down	0	0
5	Down	0	0
6	Down	0	0
7	Down	0	0
8	1000 Mbps	881	1503
9	Down	0	0
10	Down	0	0
Clear Counters			

LABEL	DESCRIPTION
Port	This identifies the Ethernet port.
Link Status	This field displays the speed (either 10Mbps, 100Mbps or 1000Mbps). “Down” is displayed if the port is not connected to any device.
TX	This field shows the number of transmitted bytes on this port.
RX	This field shows the number of received bytes on this port.
Loop Status	“Loop” is displayed if the port is loop.
Loop Reset	Select the loop port checkbox. Click Apply to make port link up on this port.
Clear Counters	Click Clear Counters to clear statistics for all ports.
Apply	If a port is loop, the Apply button is shown. Click Apply to clear loop status on this port.

3-4 VLAN

3-4-1 IEEE 802.1Q VLAN

Go to **VLAN > IEEE 802.1Q VLAN**

IEEE 802.1Q is a protocol for Ethernet frame carrying VLAN tag. The traffic is encapsulated so that a number of logically separate VLANs can be carried by the same physical LAN.

The VLAN ID associates a frame with specific VLAN and provides the information that switches need to process the frame across the network. A tagged frame is four bytes longer than an untagged frame and contains two bytes for the TPID (Tag protocol Identifier, residing within the type/length field of the Ethernet frame) and two bytes for the TCI (Tag Control Information, starting after the source address field of the Ethernet frame).

The CFI (Canonical Format Indicator) is a single-bit flag, always set to zero for Ethernet switches. If a frame received at an Ethernet port has a CFI set to 1, then that frame should not be forwarded as it is to an untagged port. The remaining twelve bits defining the VLAN ID are independent of each other. A frame with VID (VLAN Identifier) of null (0) is called a priority frame, meaning that only the priority level is significant and the default VID of the ingress priority frames and the value 4095 (FFF) is reserved, so the maximum possible number of VLAN configurations is 4094.

TPID	User Priority	CFI	VLAN ID
2 Bytes	3 Bits	1 Bit	12 bits

Once the VLAN table is configured and maintained in GS-5208PLG, frames will be handled by all operations of VLAN configuration. These operations include the stripping or adding of the IEEE 802.1Q tag.

PVIDApply

Port	01	02	03	04	05	06	07	08	09	10
PVID	1	1	1	1	1	1	1	1	1	1

Maximum number of IEEE 802.1Q VLAN : 10Create New VLAN

VLAN ID	1	2	3	4	5	6	7	8	9	10	Modify	Delete
1											Modify	Delete

Click on button to change member state or remove vlan.

LABEL	DESCRIPTION
Port	This identifies the Ethernet port.
PVID	This is the VLAN ID assigned to untagged frames that this port received.
Apply	Click Apply to save PVID changes to the non-volatile memory
Maximum number of IEEE 802.1Q VLAN	The maximum number of IEEE 802.1Q VLAN that can be created.
VLAN ID	This is the VLAN identification number that was configured in the IEEE 802.1Q VLAN screen.
Port Member	This column displays the members that are participating in a VLAN. A Non-Member is marked as Gray , a tagged Egress Member is marked as Yellow , and an Untagged Egress Member is marked as Green .
Create New VLAN	Click this to go to the VLAN add screen as shown below.
Modify	Click this to modify VLAN settings of a particular VLAN ID.
Delete	Click this to delete the VLAN.

Click on “Create New VLAN” to go to the VLAN add screen as shown below:

IEEE 802.1Q VLAN

VLAN ID	01	02	03	04	05	06	07	08	09	10
3										

Click on box to change member state.
If Trunking enable, Please verify VLAN configurations in trunk port.

LABEL	DESCRIPTION
VLAN ID	This is the VLAN identification number that was configured in the IEEE 802.1Q VLAN screen. Valid VID ranges from 1-4096.
Port Member	Each box displays the participating status in the VLAN. A Non-Member is marked as Gray , a tagged Egress Member is marked as Yellow , and an Untagged Egress Member is marked as Green . Click on the box to change its participating status.
Apply	Click Apply to save your changes.

3-5 Trunking

Go to **Trunking > LACP**

Link aggregation (trunking) is the grouping of physical ports into one logical higher-capacity link. You may want to trunk ports if, for example, it is cheaper to use multiple lower-speed links than to under-utilize a high-speed, but more costly, single-port link.

The Switch supports the link aggregation IEEE802.3ad standard. This standard describes the Link Aggregation Control Protocol (LACP), which is a protocol that dynamically creates and manages trunk groups.

When you enable LACP link aggregation on a port, the port can automatically negotiate with the ports at the remote end of a link to establish trunk groups. LACP also allows port redundancy, that is, if an operational port fails, then one of the “standby” ports become operational without user intervention. Please note that:

- You must connect all ports point-to-point to the same Ethernet switch and configure the ports for LACP trunking.
- LACP only works on full-duplex links.
- All ports in the same trunk group must have the same media type, speed, duplex mode and flow control settings.
- Configure trunk groups or LACP before you connect the Ethernet switch to avoid causing network topology loops.

LACP

Apply

LACP Global State	Disable ▾		Disable ▾	
Link Aggregation Algorithm	MAC SA & DA ▾			
Link Group Activity	Passive ▾		Passive ▾	
Link Group Member	Port 7	Port 8	Port 9	Port 10
	Link Disconnected	Link Disconnected	Link Disconnected	Link Disconnected

If Trunking enable,Please verify VLAN configurations in trunk port.

LABEL	DESCRIPTION
LACP Global State	Select Enable or Disable to enable or disable Link Aggregation Control Protocol
Link Aggregation Algorithm	<p>Select the outgoing traffic distribution type. Packets from the same source and/or to the same destination are sent over the same link within the trunk. By default, the Switch uses the MAC SA & DA distribution type.</p> <p>Select MAC SA to distribute traffic based on the packet's source MAC address.</p> <p>Select MAC DA to distribute traffic based on the packet's destination MAC address.</p> <p>Select MAC SA & DA to distribute traffic based on a combination of the packet's source and destination MAC addresses.</p>
Link Group Activity	Switch TX LACP control packet Active or Passive.
Link Group Member	The check box of ports would be checked after the port is added into the Link Group successfully.
Apply	Click Apply to save your changes.

3-6 QoS

GS-5208PLG provide Quality of Service (QoS) feature. Two kinds of QoS mechanism are provided for traffic forwarding: port-based QoS and 802.1p QoS. Users can switch to either of them on the Web page.

When Quality of Service (QoS) feature is enabled, traffic will be forwarded according to the predefined setting of port-based QoS or 802.1p QoS.

If QoS type is set as port-based, the priority is based on the incoming port of the traffic. The current queue for each port is configured as below.

Port	Queue
1	0
2	0
3	1
4	1
5	2
6	2
7	3
8	3

Click “Port-Based QoS” to go to the page shown below:

☐ Disable QoS ☒ Port-Based QoS ☐ IEEE 802.1p QoS

Scheduler Method

WFQ ▼

Apply

Port	1	2	3	4	5	6	7	8	9	10	weight
Queue0	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<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"/>	<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"/>	<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"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8 ▼

Queue0

Low Priority

Queue1

Normal Priority

Queue2

Medium Priority

Queue3

High Priority

If QoS type is set to 802.1p, the priority is based on the incoming PCP field of the traffic. The current queue for each PCP is configured as below.

PCP	Queue
0	0
1	0
2	1
3	1
4	2
5	2
6	3
7	3

Click “IEEE 802.1p QoS” to go to the page shown below:

☐ Disable QoS
 ☐ Port-Based QoS
 ☒ IEEE 802.1p QoS

Scheduler Method WFQ ▼ Apply

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 ▼

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

To disable QoS, click on “Disable QoS”.

☒ Disable QoS
 ☐ Port-Based QoS
 ☐ IEEE 802.1p QoS

QoS is Disable !!!

3-7 Broadcast Storm Control

A traffic storm occurs when packets flood the network ports, creating traffic and impacting network performance in a negative way. The broadcast storm control feature prevents network ports from being disrupted by a broadcast, multicast, or DLF traffic storm.

Broadcast Storm Control

Broadcast	no limit ▼
Multicast	no limit ▼
DLF	no limit ▼

Apply

Select a limit in the drop down menus behind the storm control features and click “Apply” to apply the settings.

Broadcast Storm Control

Broadcast	no limit ▼
Multicast	no limit ▼
DLF	no limit ▼

no limit ▼
512K/s
1M/s
2M/s
4M/s
8M/s
16M/s
32M/s
64M/s
128M/s
256M/s
512M/s

3-8 Rate Limiting

GS-5208PLG provides a Rate Control feature. When the Rate Control feature is enabled, GS-5208PLG provides Ingress/Egress traffic Rate Control per port for broadcast traffic type. Enable this feature to reduce broadcast packets in your network.

Rate Limiting		
Port	Ingress rate	Egress rate
1	no limit	no limit
2	no limit	no limit
3	no limit	no limit
4	no limit	no limit
5	no limit	no limit
6	no limit	no limit
7	no limit	no limit
8	no limit	no limit
9	no limit	no limit
10	no limit	no limit

Click on a port number to enter the configuration page as shown below:

Change Rate Limit		
<input type="button" value="Apply"/>		
Port	Ingress rate	Egress rate
1	no limit ▼	no limit ▼
2	no limit ▼	no limit ▼
3	512K/s	no limit ▼
4	1M/s	no limit ▼
5	2M/s	no limit ▼
6	4M/s	no limit ▼
7	8M/s	no limit ▼
8	16M/s	no limit ▼
9	32M/s	no limit ▼
10	64M/s	no limit ▼
	128M/s	no limit ▼
	256M/s	no limit ▼
	512M/s	no limit ▼

Click the drop down menus to change the Ingress/Egress rate, and click “Apply” to apply the setting.

3-9 Loop Detect/Prevent

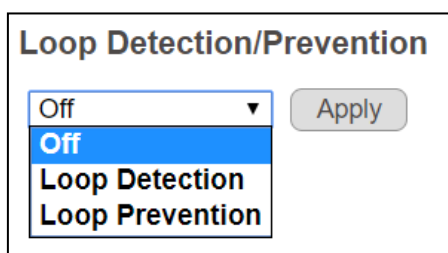
GS-5208PLG provides a Loop Protection feature for unmanaged environments. Two kinds of mechanism are available in the GS-5208PLG, which are Loop Detection and Loop Prevention. Users can choose to enable Loop Detection or Loop Prevention.

The Loop Discovery frame uses the system MAC as source address. When the port receives the discovery frame and found that the source MAC is the same as system MAC, loop is determined.

When the Loop Detection feature is enabled and activated, the switch generates Broadcom proprietary tag frames (Loop Discovery Frames) at a programmed interval, and when it detects a loop, it gives a loop detected warning with a down port LED indication, and the system LED will be blinking. This feature does not repair the loop, but only issues a warning.

The GS-5208PLG also includes a Loop Prevention feature which can be enabled. When Loop Prevention is enabled and loop is detected, this feature will disable loop ports and dim the port LED, and the system LED will be blinking.

On the Loop Detect/Prevent page, select either “Off”, “Loop Detection” or “Loop Prevention” and click “Apply” to apply the settings.



The screenshot shows a web interface titled "Loop Detection/Prevention". It contains a dropdown menu with three options: "Off", "Loop Detection", and "Loop Prevention". The "Off" option is currently selected and highlighted in blue. To the right of the dropdown menu is a grey "Apply" button.

3-10 IGMP Snooping

When the IGMP Snooping is enabled, the GS-5208PLG will process IGMP control packets for multicast traffic forwarding. The switch will record information of IGMP v2 packets and maintain database for multicast traffic. Multicast traffic will then be forwarded according to the database.

When IGMP Snooping feature is enabled, switch will record information of IGMP v3 packets and maintain database for multicast traffic. Then multicast traffic will be forwarded according to the database. In IGMP v3, multiple multicast group and source IP information can be recorded in one IGMP v3 packet, GS-5208PLG will record each multicast group address and ignore source IP information.

When the IGMP Snooping feature is enabled and IGMP Static Router Port is set, only this port can be used as a router port, other ports will be as member ports only. In this case, member ports receive query packets will drop the query packets.

IGMP Snooping

Apply

☐ Blocking Unknown Multicast

☐ Enable IGMP Snooping

IGMP Static Router Port

No Static Router Port ▾

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

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

When “Enable IGMP Snooping” is selected, IGMP Static Router Port can be selected using the drop down menu.

Click “Apply” to apply the settings.

3-11 POE

The GS-5208PLG provides a Power over Ethernet (PoE) manager feature. The IC of the PoE module is Microsemi PD69104B.

The PoE module manager enables network devices to share power and data over a single cable. The PoE module is employed by both Ethernet switches and Midspans.

The PoE module is a 4 port, mixed-single, high-voltage PoE Manager and supports Semi Auto mode. The PoE module executes all real time functions as specified in the IEEE 802.3af-2003 ("AF") and IEEE 802.3at High Power ("AT") standards.

The PoE module supports detect legacy/pre-standard PD devices. It also provides PD real-time protection through the following mechanisms: overload, under-load, over-voltage, over-temperature, and short-circuit. The PD69104B can supply voltages between 44V and 57V without additional power supply and has a built-in thermal protection.

POE Global Settings

PSE Total Power	130W
PSE MAX LED Power	120W
PSE IC MAX Temperature	150°C
PSE voltage	53.4V

POE Status

Port	Power Status	Real Current(W)	Real Temperature(°C)
1	Turned on	0	46
2	Turned on	0	46
3	Turned on	0	48
4	Turned on	0	51
5	Turned on	0	47
6	Turned on	0	46
7	Turned on	0	46
8	Turned on	0	46

Turned on:8 Total Power:0 W

Click on a port number and the options are shown below:

PoE port configuration

Port	Power Supply
1	Turn on ▼
2	Turn on ▼
3	Turn on ▼
4	Turn on ▼
5	Turn on ▼
6	Turn on ▼
7	Turn on ▼
8	Turn on ▼

Apply

Click the drop down menu to select whether to turn on or off PoE function.
Click “Apply” to apply the settings.

3-12 Password

Click “Password” to go to the “Change Password” page.

Enter the relevant information as shown below and click “Confirm” to confirm the changes.

Change Password

Confirm

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.

3-13 Logout

If you want to logout of the system, click **Logout**.

System
Management
Port
VLAN
Trunking
Mirror
QoS
Broadcast Storm Control
Rate Limiting
Loop Detect/Prevent
IGMP Snooping
PoE
Password
Logout

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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 Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC 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.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

None

EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC..
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
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- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1995/5/EK, 2009/125/EK, 2006/95/EK, 2011/65/EK).
- Türkçe:** Bu cihaz 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC..
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1995/5/EG, 2009/125/EG, 2006/95/EG, 2011/65/EG.
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FOR USE IN



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At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European R&TTE directives.

Equipment: GS-5208PLG PoE+ Web Smart Switch

Model No.: GS-5208PLG

The following European standards for essential requirements have been followed:

Directives 2014/30/EU

EMC	:	EN55032:2015 EN55024:2010 EN61000-3-2:2014 class A EN61000-3-3:2013
Safety (LVD)	:	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013

Edimax Technology Co., Ltd.
No. 278, Xinhua 1st Rd., Neihu Dist.,
Taipei City, Taiwan



Date of Signature: Aug, 2017

Signature: _____

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

Printed Name: _____

Albert Chang

Title: _____

Director

Edimax Technology Co., Ltd.

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