

# GS-3008P



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## Chapter 1 Safety and Regulatory

#### Audience

This guide is for the networking professionals in managing the standalone GS-3008P 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

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-3008P is a PoE+ web managed switch with 8 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.



#### 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: 16Gbps & Forwarding rate: 11.9Mpps.
- 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.
- Small desktop form-factor for small office and home office

#### **Product Components** 2-4

#### 2-4-1 Ports

The following view applies to GS-3008P.



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 (5-8)	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.

4



#### 2-4-2 LED Indicators

The following view applies to GS-3008P.

#### Figure 3 LED Indicators



Name	Description
PWR/SYS	Green LED: • Off: power off or fail • On: power on • Blinking: system boot-up
POE/Alert	Green LED: • Off: power off or fail • On: power on • PoE power output over 50W PoE power budget
Port LED	LINK/ACT LED: • Off: port disconnected or link fail • Green on: 1000M connected • Amber on: 10/100M connected • Blinking: sending or receiving data
POE LED	POE/ACT LED: • Off: port disconnected or POE fail • Green on: POE supply status

## 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 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 0
- 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.





#### 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
3008P	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.

EDIMAX Pro					
	Model Name		GS-3008P		
1	User Name	I			
Ê	Password				
		Login			

#### Figure 7 Login Window

## 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:

EDIMAX	Pro		<b>GS-3008P</b> 8-Port Gigabit PoE+ Web Managed Switch
System Information	System		
Management	Model Name	GS-3008P	
Port	Device Name	GS-3008P	
VLAN	Firmware Versio		
Link Aggregation			
Port Mirroring	Build Date	2017.11.10	
QoS	MAC Address	00:11:22:0C:F7:B2	
Broadcast Storm Control	IPv4 Address	192.168.2.1	
Rate Limiting	Subnet Mask	255.255.255.0	
Loop Detect/Prevent	Gateway	192.168.2.254	
IGMP Snooping	Loop Status	Normal	
PoE	PoE Status	Normal	
Password			
Logout			

#### Figure 8 System Information Status

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.

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:

System Information	DHCP	Disable ▼
Management	IP Address	192.168.2.1
Port	Subnet Mask	255.255.255.0
VLAN	Gateway	192.168.2.254
Link Aggregation		
Port Mirroring	Apply	
QoS	Management	
Broadcast Storm Control	Reset	Reboot
Rate Limiting	Reser	Rebool
Loop Detect/Prevent	Configuration Restore/Backup	
IGMP Snooping		
РоЕ	Choose File No file chosen	Restore Backup
Password		
Logout	Firmware Upgrade	
	Upgrade	

#### Figure 9 User Interface

### 1

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

2

## 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.

System				
Model Name	GS-3008P			
Device Name	<u>GS-3008P</u>			
Firmware Version	1.02.03			
Build Date	2017.11.10			
MAC Address	00:11:22:0C:F7:B2			
IPv4 Address	192.168.2.1			
Subnet Mask	255.255.255.0			
Gateway	192.168.2.254			
Loop Status	Normal			
PoE Status	Normal			

Figure	<b>10</b> S	vstem	Information
inguic	<b>TO</b> 2	ystem	mormation

ltem	Description			
Model Name	Switch model name.			
Device Name	System name of the switch, configurable according to user preference.			
Firmware Version	urrent firmware version of the device.			
Build Date	Device production date.			
	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	e 11 Management
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	

Item	Description		
DHCP			
Enable	Obtain an IP address automatically.		
Disable	Use a static IP address		
Manageme	nt		
Reset	Restore switch to original factory default settings.		
Reboot	Reboot switch.		
Configuratio	on Restore/Backup		
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.		
Firmware U	pgrade		
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.

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 🔻	Down	0	0	
6	Auto 🔻	Down	0	0	
7	Auto 🔻	Down	0	0	
8	Auto 🔻	1000 Mbps/Full	1277	2539	
		Refresh	Clear Counter	rs Apply	

Figure	12	Port
I ISMIC		I OI C

Item	Description		
Port	Designated port number.		
	To control the direction and speed of data flow.		
Croad	Auto		
Speed	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.		
ТХ	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.

PVID								
Port	01	02	03	04	05	06	07	08
PVID	1	1	1	1	1	1	1	1
Apply          Maximum number of IEEE 802.1Q VLAN :       8         Non-Member       Tag Egress Member								
				Member	Untag Egress	Member	Modify	Doloto
VLAN ID			Tag Egress	Member 05	Untag Egress 06 07	Member 08	Modify	Delete
VLAN ID 1	No	n-Member	Tag Egress				Modify Modify	Delete

## Figure 13 VLAN

Item	Description
Apply	Click Apply to save the values and update the screen.
Port	Designated port number.
PVID	Enter a VLAN ID for each port.
Create New VLAN	Click Create New VLAN 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.

LACP Global State	Disable 🔻	
Link Aggregation Algorithm	MAC SA & D/ V	
Link Group Activity	Passive <b>v</b>	
	Port 1	Port 2
Link Group Member	Link Disconnected	Link Disconnected

#### Figure 14 Link Aggregation

Item Description	
Apply	Click <b>Apply</b> to save the values and update the screen.
LACP Global State	Enable/disable LCAP.
	Select a link aggregation algorithm:
Link Aggregation Algorithm	MAC SA & DA
	MAC DA
	MAC SA
	Select link group activity status:
Link Crosse Anti-iter	Passive
Link Group Activity	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 T		
Missourd Dant	01 02 03 04 05 06 07 08		
Mirrored Port			
Apply			

Item	Description
	Disable port mirroring/Select the port mirroring direction.
	Disable
Port Mirroring Mode	Ingress
	Egress
	Both
Monitor Port	Select the mirror destination port.
Mirrored Port	The ports or configured to mirror traffic to the destination. Multiple source
wintored Port	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							
Disable QoS	$\bigcirc$	Port-Based QoS	$\bigcirc$	IEEE 802.1p QoS			
QoS is Disable !!!							

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

Dis	able	QoS	6 (1)	Po	rt-Ba	ased	QoS	6	IEEE	E 802.1p Q	oS
Schedul	e Meti	hod	WF	Q		'					
Port	1	2	3	4	5	6	7	8	weight		
Queue0	۲	۲	۲	۲	۲	۲	۲	۲	1 🔻		
Queue1	$\bigcirc$	0	0	0	0	0	0	$\odot$	2 🔻		
Queue2	$\bigcirc$	0	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	4 🔻		
Queue3	$\bigcirc$	0	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	8 🔻		
									Apply		
		Que Que	eue1 eue2	Low P Norma Mediu High F	al Prior m Prio	rity					

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

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

Dis	able	QoS		Po	rt-Ba	ased	QoS	•	IEEE 802.1p QoS
Schedul	e Metl	hod	Stri	ct Pric	ority 🔻	·			
Port	1	2	3	4	5	6	7	8	
Queue0	۲	۲	۲	۲	۲	۲	۲	۲	
Queue1	$\bigcirc$	$\bigcirc$	$\bigcirc$	0	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Queue2	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Queue3	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
								A	Apply
		Que Que	ue1 ue2	Low P Norma Mediu High P	al Prior m Prio	rity			

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.

#### Figure 18 QoS > Port-Based QoS

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

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

O Dis	able	QoS	0	Por	t-Ba	sed	QoS	.⊛ IE	EE 80	)2.1p Qo	S
Schedu	e Meth	od			M	/FQ		¥			
Priority	0(low)	1	2	3	4	5	6	7(height)	weight		
Queue0	۲	۲		$\bigcirc$	0	0		0	1 🔻		
Queue1	0	$\odot$	۲	۲	0	$\bigcirc$	$\bigcirc$	0	2 🔻		
Queue2	0	$\odot$	$\bigcirc$	$\bigcirc$	۲	۲	$\odot$	0	4 🔻		
Queue3				$\bigcirc$	0	$\bigcirc$	۲	۲	8 🔻		
								(	Apply		
Queue1 Queue2	Low Prie Normal Medium High Pri	Priorit Priori									

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

<b>Figure 20</b> Q03 > 1666 802.10 Q03									
Dis	able	QoS	$\bigcirc$	Por	t-Ba	sed	QoS	⊛ IE	EE 802.1p QoS
Schedul	e Meth	od			S	trict P	riority	. •	
Priority	0(low)	1	2	3	4	5	6	7(height)	
Queue0	۲	۲	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	0	
Queue1	$\bigcirc$		۲	۲	$\bigcirc$	$\bigcirc$	$\bigcirc$	0	
Queue2	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	۲	۲	$\bigcirc$	0	
Queue3	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	۲	۲	
									Apply
Queue1   Queue2	Low Prid Normal Medium High Pri	Priorit Priori							

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



Item	Description	
	Set Broadcast storm control limit:	
Broadcast	Unlimited	
	<ul> <li>512Kbp/s to 512Mbp/s</li> </ul>	
	Set Multicast storm control limit:	
Multicast	Unlimited	
	<ul> <li>512Kbp/s to 512Mbp/s</li> </ul>	
	Set Unicast storm control limit:	
Unicast	Unlimited	
	<ul> <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.

Port	Ingress rate	Egress rate
1	Unlimited <b>▼</b>	Unlimited <b>•</b>
2	Unlimited <b>v</b>	Unlimited <b>•</b>
3	Unlimited <b>▼</b>	Unlimited <b>•</b>
4	Unlimited <b>v</b>	Unlimited <b>•</b>
5	Unlimited <b>v</b>	Unlimited <b>•</b>
6	Unlimited <b>▼</b>	Unlimited <b>•</b>
7	Unlimited <b>v</b>	Unlimited <b>•</b>
8	Unlimited <b>▼</b>	Unlimited <b>•</b>

Item	Description					
Apply	Click <b>Apply</b> to save the values and update the screen.					
Port	Designated port number.					
	Select to configure the upper limit on how much traffic can enter a port:					
Ingress rate	Unlimited					
	<ul> <li>512Kbp/s to 512Mbp/s</li> </ul>					
	Select to configure the upper limit on how much traffic can exit a port:					
Egress rate	Unlimited					
	• 512Kbp/s to 512Mbp/s					

Figure	22	Rate	Limit
IIguic	~~	nuc	LIIIIU

## 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.



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.	

## Figure 23 Network > Loop Detection

## 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.

IGMP Snooping	Apply
<ul> <li>Blocking Unknown Multicast</li> <li>Enable IGMP Snooping</li> </ul>	
IGMP Static Router Port	No Static Router Port V
Multicast Group Port	Vid
Note: While port trunking is enabled	I, port trunking port can't be set as " Static Router Port ".

Figure 24 IGMP Snooping

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.

oE Glo	bal Settings		
PS	E Total Power	60W	
PSE	MAX LED Power	50W	
PSE voltage 55.8V			
PoE Stat	tus		
Port	Power Status	Power consumption(W)	Real Temperature(°C)
Port 1	Power Status Turned on	Power consumption(W)	Real Temperature(°C) 47
			Real Temperature(°C) 47 47
1	Turned on	0	47

#### Figure 25 PoE Menu

Item	Description	
PoE Global Settings		
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.	

ltem	Description
PSE vport voltage	Displays voltage supplied to ports.
PoE Status	
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.

PoE port configuration		
Port	Power Supply	
1	Turn on 🔻	
2	Turn on 🔻	
3	Turn on 🔻	
4	Turn on ▼	
	Apply	

#### Figure 26 PoE > PoE Status > Port Number

Item	Description
Port	Designated port number.
	Use the drop down menu to select port power supply options:
Power Supply	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
I ISMIC	_,	1 433 10 01 4

Change Password	
New User Name: New Password:	
Confirm New Password:	
	Confirm
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 Caution**

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#### 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.

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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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Română:	<ul> <li>nână: 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.</li> </ul>		
Русский:	кий: Это оборудование соответствует основным требованиям и положениям Директивы 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.		
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.		
-	: Обладнання відповідає вимогам і умовам директиви 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.		
	Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.		
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