

# PoE Network Switch

## User Manual

EN-SW10m-001

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# 1 Introduction

Power-over-Ethernet (PoE) eliminates the need to run DC power to other devices on a wired LAN. Using a Power-over-Ethernet system, installers need to run only a single Category 5 Ethernet cable that carries both power and data to each device. This allows greater flexibility in the locating of network devices and, in many cases, significantly decreases installation costs.

There are two system components in PoE - the PSE (Power Sourcing Equipment) and the PD (Powered Device). The IEEE 802.3af/at specification defines PSE as a device that inserts power onto an Ethernet cable. The PSE may be located at the switch (End-span configuration), or it may be a separate device located between the switch and the PD (Mid-span configuration). The PD is the natural termination of this link, receiving the power, and could be an IP phone, a WLAN access point, or any other IP device that requires power. The current is transmitted over two of the four twisted pairs of wires in a Category-5 cable.

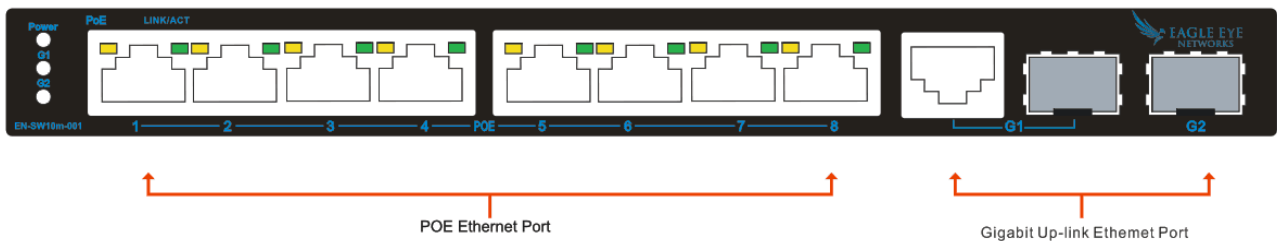
Power-over-Ethernet follows the IEEE 802.3af/at specification and is completely compatible with existing Ethernet switches and networked devices. Because the Power Sourcing Equipment (PSE) tests whether a networked device is PoE-capable, power is never transmitted unless a Powered Device is at the other end of the cable. It also continues to monitor the channel. If the Powered Device does not draw a minimum current, because it has been unplugged or physically turned off, the PSE shuts down the power to that port. Optionally, the standard permits Powered Devices to signal to the PSEs exactly how much power they need.

The PoE switch is a multi-port fast Ethernet switch that can be used to build high-performance switched workgroup networks. This switch is a store-and-forward device that offers low latency for high-speed networking. It also features a 'store-and-forward switching' scheme that allows the switch to auto-learn and store source addresses in a 8K-entry MAC address table. The switch is targeted at workgroup, department or backbone computing environments.

## 2 Hardware Description

### 2.1 Front Panel

The front panel consists of LED indications, reset button and 8x10/100 PoE ports + TX+1 Gigabit Combo+1Gigabit SFP with 8 PoE Ethernet Switch



### 2.2 LED Indicators

**Power LED:** The Power LED lights up when the switch is connected to a power source.

### Link/Act LED:

Green (for megabit ports): Indicates that the port is running at 100M.

Green (for gigabit ports): Indicates that the port is running at 100M.

Blinking: Indicates that the switch is either sending or receiving data to the port.

Light off: No link.

### PoE LED:

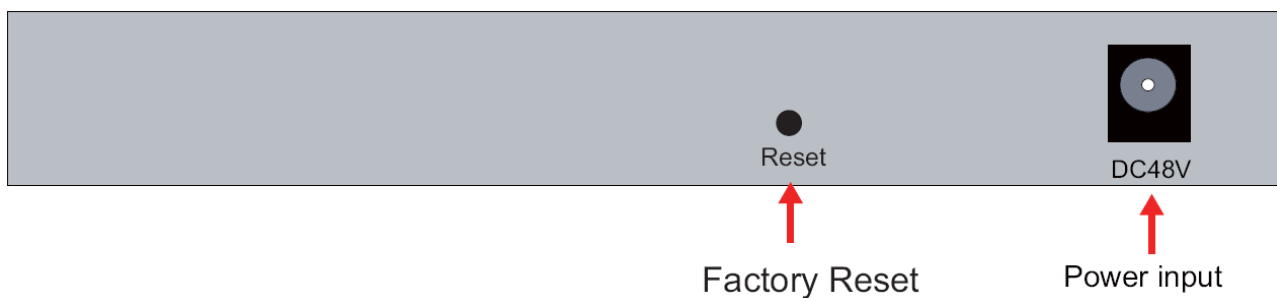
Green: Indicates the PoE powered device (PD) is connected and the port supplies power successfully.

Light off: Indicates no powered device (PD) connected.

**Reset:** By pressing the Reset button for 5 seconds the switch will change back to the default configuration and all changes will be lost.

## 2.3 Rear Panel

The rear panel view of the switch consists of Reset button and DC input plug.



## 2.4 Specification

	Item	Description
Power	Power Supply	External Power Adaptor
	Voltage Range	DC48V~52V
	Consumption	<6W
Ethernet	Speed	1-8 Port:10/100Mbps Uplink: G1:Gigabit Combo(RJ-45 10/100/1000Mbps SFP supports optical module rates:1.25Gbps) G2:SFP supports optical module rates:1.25Gbps
	Transmission Distance	100Meter (328ft) for RJ 45 Transmission distance optional for SFP Port The optical module is optional
Network Switch	Ethernet Standard	IEEE 802.3 802.3u 802. 3af /at
	Switching capacity	5.6G
	Transfer Rate	14,880 pps for 10Mbps 148,800 pps for 100Mbps
	MAC Address	4K MAC address table
Working Environment	Working Temperature	0°C ~ 40°C
	Storage Temperature	-40°C ~ 70°C
	Humidity Non Condensing	0~85%
Mechanical	Dimension L*W*H	218*107*29mm
	Color	Gray

# 3 Getting Started

This chapter introduces the management interface of the switch.

## 3.1 Management Options

The Switch can be managed through any port on the device by using the Web-based Management. Each switch must be assigned its own IP Address, which is used for communication with Web-Based Management. The PC's IP address should be in the same range as the switch. Each switch can allow only one user to access the Web-Based Management at a time. Please refer to the following installation instructions for the Web-based Management.

## 3.2 Using Web-based Management

After a successful physical installation, you can configure the switch, monitor the network status, and display statistics using a web browser.

### Connecting to the Switch

You will need the following equipment to begin the web configuration of your device:

- A PC with a RJ-45 Ethernet connection
- A standard Ethernet cable

Connect the Ethernet cable to any of the ports on the front panel of the switch and to the Ethernet port on the PC.

### Login Web-based Management

If DHCP is not enabled on the local LAN, the switch will be able to log in to the web page with 192.168.2.1 after 2 minutes. If DHCP is enabled, the DHCP server (router) will assign the address to the switch, and use DHCP to log in to the switch. Login to the switch web page.

### System IP Configuration

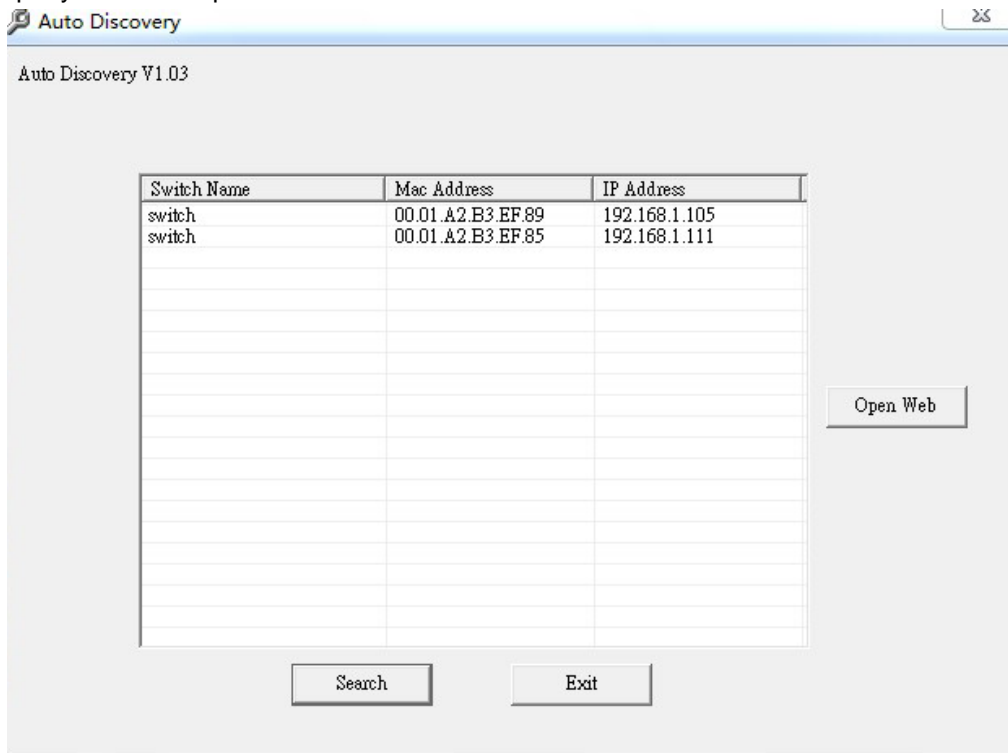
Setting	Value
IP Address	192 . 168 . 2 . 1
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 2 . 254
IP Configure	<input type="radio"/> Static <input checked="" type="radio"/> DHCP
<input type="button" value="Update"/>	

In case no DHCP server, In order to login and configure the switch via an Ethernet connection, the PC must have an IP address in the same subnet as the switch. For example, if the switch has an IP address of **192.168.2.1**, the PC should have an IP address of **192.168.2.x** (where x is a number between 2 ~ 254), and a subnet mask of 255.255.255.0. Open the web browser and enter **192.168.2.1** (the factory-default IP address) in the address bar. Then press <Enter>.



When the following logon dialog box appears, enter the username and password then click **OK**. The default username is **admin** and password is **system**.

Note: If the DHCP server (routing) to the switch assigned address, you can use the Auto Discovery tool to query the switch ip



## 4. Configuration

The features and functions of the switch can be configured for optimum use through the Web-based Management.

### 4.1 Welcome

After a successful login you will see the screen belows:

**8-Port 10/100Mbps Plus 2-Port Gigabit Ethernet Switch**

<b>Advanced Features</b> <ul style="list-style-type: none"> <li>Bandwidth control</li> <li>Port based &amp; Tag based VLAN</li> <li>Statistics Counter</li> <li>Firewall</li> <li>VLAN Uplink</li> <li>L2 ~ L4 Class of Service</li> </ul>	<b>Basic Features</b> <ul style="list-style-type: none"> <li>Embedded HTTP web Management</li> <li>Configuration Backup/Recovery</li> <li>TFTP Firmware upgradeable</li> <li>Secure Management</li> <li>User name/Password security</li> </ul>
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## 4.2 Administrator

### Administrator -> Authentication Configuration

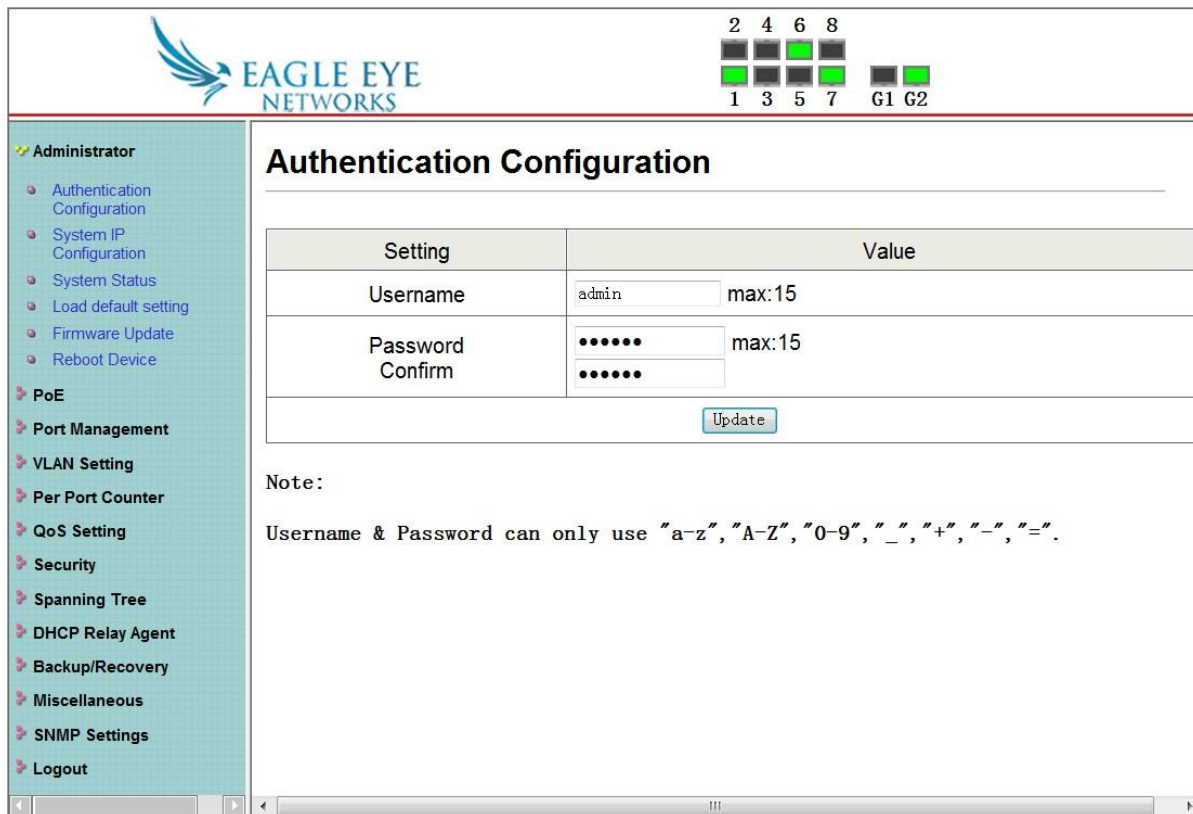
Here you can enter a new **Username/Password** and confirm it.

The factory default

IP address: 192.168.2.1

Username: admin

Password: system



The screenshot shows the Eagle Eye Networks web interface. The header features the logo and a status indicator grid. The sidebar menu is on the left, and the main content area is titled "Authentication Configuration".

Setting	Value
Username	<input type="text" value="admin"/> max:15
Password Confirm	<input type="password" value="....."/> max:15 <input type="password" value="....."/>

Note:  
Username & Password can only use "a-z", "A-Z", "0-9", "\_", "+", "-", "=".

### Administrator -> System IP Configuration

There are two ways for the switch to obtain an IP address: Static and DHCP (Dynamic Host Configuration Protocol).

If the switch is used to open the DHCP environment, the switch will automatically obtain an IP address from a DHCP server, the switch for the landing web page, As shown below:

When using static mode, the **IP address**, **Subnet Mask** and **Gateway** can be manually configured. When using DHCP mode, the Switch will first look for a DHCP server to provide it with an IP address (including network mask and default gateway) before using the default or previously entered settings. By default the IP setting is static mode with IP address is **192.168.2.1** and subnet mask is **255.255.255.0**

- Administrator
  - Authentication Configuration
  - System IP Configuration
  - System Status
  - Load default setting
  - Firmware Update
  - Reboot Device
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## System IP Configuration

Setting	Value
IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="1"/>
Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>
Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="254"/>
IP Configure	<input checked="" type="radio"/> Static <input type="radio"/> DHCP
<input type="button" value="Update"/>	

### Administrator -> System Status

**Comment:** By entering a Comment, the device can more easily be recognized on the LAN.

**Idle Time Security:** It controls the idle time-out period for security purposes, when there is no action for a specific time span in the Web-based Management. If the current session times out (expires), the user is required a re-login before using the Web-based Management again. Selective range is from 3 to 30 minute, and the default setting is 5 minutes.



- Administrator
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- SNMP Settings
- Logout

## System Status

MAC Address	00:01:a2:b3:f8:30
Number of Ports	8+2
Comment	pt8 <input type="text"/> MAX:15
System Version	IM-V118.26
<input type="checkbox"/> Idle Time Security <ul style="list-style-type: none"> <li><input type="radio"/> Auto Logout(Default).</li> <li><input type="radio"/> Back to the last display.</li> </ul>	Idle Time: <input type="text" value="0"/> (1~30 Minutes)
<input type="button" value="Update"/>	

Note:  
Comment name only can use "a-z","A-Z","\_","+","-","0-9"

### Administrator -> Load default setting

Provide a safe reset option for the switch. All configuration settings in non-volatile RAM will be reset to factory default and then the switch will reboot.

- Administrator
  - Authentication Configuration
  - System IP Configuration
  - System Status
  - Load default setting
  - Firmware Update
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- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## Load Default Setting

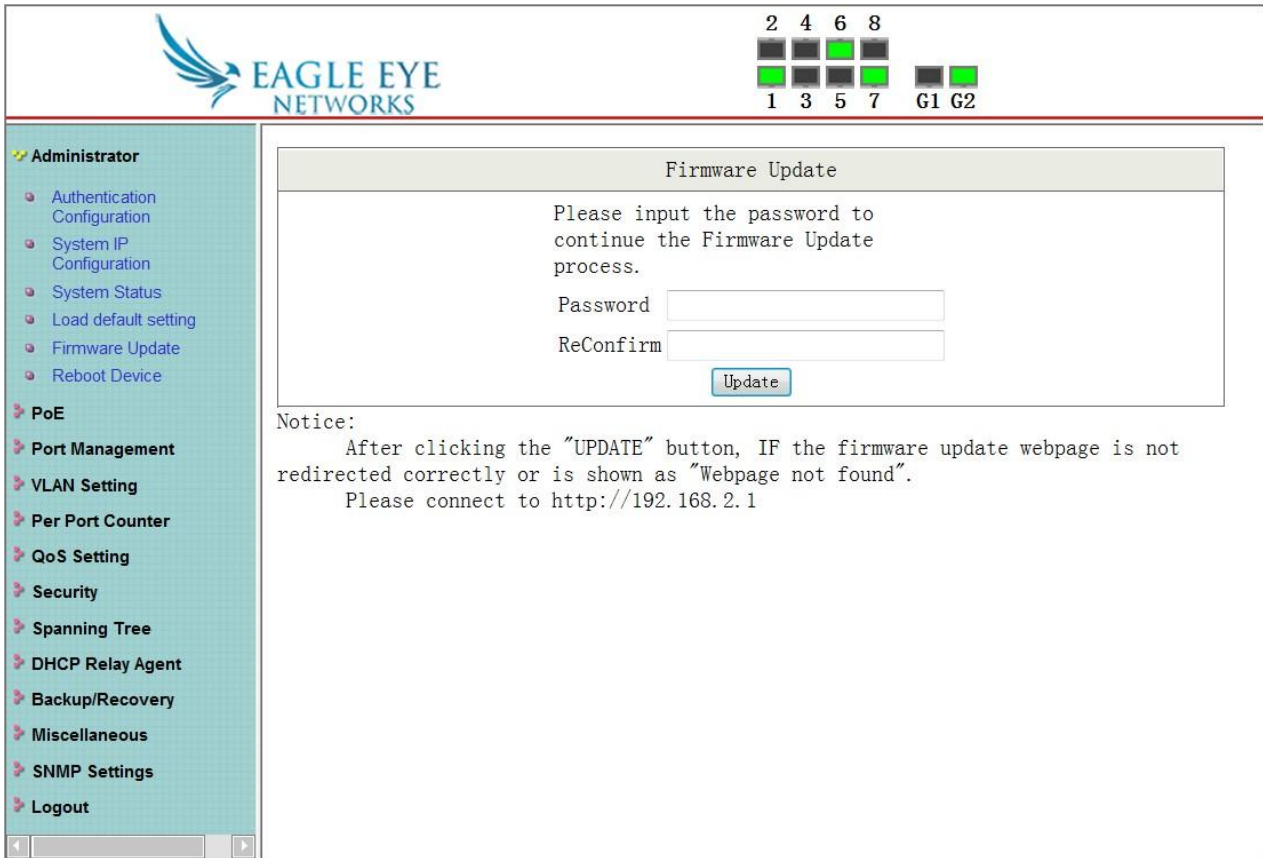
recover switch default setting excluding the IP address, User name and Password

### Administrator -> Firmware Update

You must enter the password of device in order to determine the firmware needs to be updated.

After a correct password the switch will erase the old firmware first.


After completing the erase you will see the screen bellows. Specify the Firmware Path (or Browse for one) that you are going to use, and then click **Update**. The state will show 'OK' after completion and 'Fail' is firmware upgrade fails or cannot be completed for any reason.



The screenshot shows the Eagle Eye Networks web interface. At the top left is the logo. At the top right is a status indicator with a grid of colored squares (green and grey) labeled 1 through 8 and G1, G2. Below the logo is a navigation menu with the following items: Administrator (expanded), Authentication Configuration, System IP Configuration, System Status, Load default setting, Firmware Update, Reboot Device, PoE, Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, DHCP Relay Agent, Backup/Recovery, Miscellaneous, SNMP Settings, and Logout. The main content area is titled 'Firmware Update' and contains the following text: 'Please input the password to continue the Firmware Update process.' Below this are two input fields labeled 'Password' and 'ReConfirm', and an 'Update' button. Below the form is a 'Notice:' section with the following text: 'After clicking the "/>

### Administrator -> Reboot Device

Provide a safe way to reboot the system. Click **Reboot** to restart the switch.



**Administrator**

- Authentication Configuration
- System IP Configuration
- System Status
- Load default setting
- Firmware Update
- Reboot Device

**PoE**

**Port Management**

**VLAN Setting**

**Per Port Counter**

**QoS Setting**

**Security**

**Spanning Tree**

**DHCP Relay Agent**

**Backup/Recovery**

**Miscellaneous**

**SNMP Settings**


**Logout**

Reboot Device:  
Click "Confirm" to Reboot the Device

## 4.3 Port Management

### Port Management -> Port Configuration

In this page, the status of all ports can be monitored and adjusted for optimum configuration.



**Administrator**

**PoE**

**Port Management**

- Port Configuration
- Port Mirroring
- Bandwidth Control
- Broadcast Storm Control

**VLAN Setting**

**Per Port Counter**

**QoS Setting**

**Security**

**Spanning Tree**

**DHCP Relay Agent**

**Backup/Recovery**

**Miscellaneous**

**SNMP Settings**

**Logout**

### Port Configuration

Function	Tx/Rx Ability	Auto-Negotiation	Speed	Duplex	Pause	Backpressure	Addr. Learning
Select Port No.			01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/>			06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> G1 <input type="checkbox"/> G2 <input type="checkbox"/>	
<input type="button" value="Update"/>							

Port	Current Status				Setting Status						
	Link	Speed	Duplex	FlowCtrl	Tx/Rx Ability	Auto-Nego	Speed	Duplex	Pause	Backpressure	Addr. Learning
1	●	100M	FULL	FULL	ON	AUTO	100M	FULL	ON	ON	ON
2	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
3	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
4	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
5	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON
6	●	100M	FULL	HALF	ON	AUTO	100M	FULL	ON	ON	ON
7	●	100M	FULL	HALF	ON	AUTO	100M	FULL	ON	ON	ON
8	---	---	---	---	ON	AUTO	100M	FULL	ON	ON	ON

**Enable:** Enable or disable the port's connection

**Auto-Nege:** Enable or disable port auto-NDI/MDIX

**Speed:** Copper connections can operate in Forced Mode settings (1000M Full, 100M Full, 100M Halt, 10M Full,

10M Half), Auto, or Disabled. The default setting for all ports is **Auto**.

**Duplex:** Copper connections can operate in Full-Duplex or Half-Duplex Mode

**Addr. Learning:** Enable or disable port learning MAC address.

**Port Management -> Port Mirroring**

Port Mirroring is a method of monitoring network traffic that forwards a copy of each incoming and/or outgoing packet from one port of the Switch to another port where the packet can be studied. This enables network managers to better monitor network performances.

The screenshot shows the Eagle Eye Networks web interface. At the top, there is a logo and a status bar with port indicators (2, 4, 6, 8, 1, 3, 5, 7, G1, G2). The left sidebar contains a navigation menu with categories like Administrator, PoE, Port Management, VLAN Setting, Per Port Counter, QoS Setting, Security, Spanning Tree, DHCP Relay Agent, Backup/Recovery, Miscellaneous, SNMP Settings, and Logout. The main content area is titled "Port Mirroring" and contains a configuration table.

Dest Port	01	02	03	04	05
	06	07	08	G1	G2
Monitored Packets	Disable				
Source Port	01	02	03	04	05
	06	07	08	G1	G2

Below the table is an "Update" button and a note: "Multi to Multi Sniffer function".

**TX (transmit) mode:** Duplicates the data transmitted from the source port and forwards it to the Target Port. Click "all" to include all ports into port mirroring.


**RX (receive) mode:** Duplicates the data that received from the source port and forwards it to the Target Port. Click "all" to include all ports into port mirroring.


**Both (transmit and receive) mode:** Duplicate both the data transmitted from and data sent to the source port, and forwards all the data to the assigned Target Port. Click "all" to include all ports into port mirroring.

**Note:** The target ports will stop mirroring packets if there are unknown tags or destination packets sent out by source ports.

**Port Management -> Bandwidth Control**

The Bandwidth Control page allows network managers to define the bandwidth settings for a specified port's transmitting and receiving data rates.





- Administrator
- PoE
- Port Management
  - Port Configuration
  - Port Mirroring
  - Bandwidth Control
  - Broadcast Storm Control
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Bandwidth Control

Port No	Tx Rate	Rx Rate
1	(0~255) <input type="text" value="0"/> (0:Full Speed)	(0~255) <input type="text" value="0"/> (0:Full Speed)

Speed Base

Low:

(1)32Kbps Tx/Rx bandwidth resolution for port 1~ port 10.  
Actual Tx/Rx bandwidth =Rate value x 32 kbps. The rate value is 1~255.

High:

(1)256Kbps Tx/Rx bandwidth resolution for port 1~ port 8.  
Actual Tx/Rx bandwidth=Rate value x 256Kbps. The rate value is 1~255.  
When link speed is 10MB. The rate value is 1~39.

(2)the bandwidth resolution is 2048Kbps for port 9, port 10.  
Actual Tx/Rx bandwidth=Rate value x 2048Kbps. The rate value is 1~255.  
When link speed is 10MB. The rate value is 1~4.  
When link speed is 100MB. The rate value is 1~48.

If the link speed of selected port is lower than the rate that you setting, this system will use the value of link speed as your setting rate.

Port No.	Tx Rate	Rx Rate	Link Speed	Port No.	Tx Rate	Rx Rate	Link Speed
1	Full Speed	Full Speed	100M	6	Full Speed	Full Speed	100M
2	Full Speed	Full Speed	---	7	Full Speed	Full Speed	100M


**TX Rate:** This allows you to enter data receive rate from 0 to 255 (base on speed base), 0 for full speed.

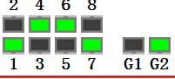
**RX Rate:** This allows you to enter data transmit rate from 0 to 255 (base on speed base), 0 for full speed.

**Speed Base:**

**Port Management -> Broadcast Storm Control**

The Broadcast Storm Control feature provides the ability to control the receive rate of broadcast packets. Once a packet storm has been detected, the Switch will drop packets coming into the Switch until the storm has subsided.





- Administrator
- PoE
- Port Management
  - Port Configuration
  - Port Mirroring
  - Broadcast Storm Control
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Broadcast Storm Control

Threshold	<input type="text" value="63"/> 1~63				
Enable Port	01 <input type="checkbox"/>	02 <input type="checkbox"/>	03 <input type="checkbox"/>	04 <input type="checkbox"/>	05 <input type="checkbox"/>
	06 <input type="checkbox"/>	07 <input type="checkbox"/>	08 <input type="checkbox"/>	G1 <input type="checkbox"/>	G2 <input type="checkbox"/>

This value indicates the number of broadcast packet which is allowed to enter each port in one time unit. One time unit is 50us for Gigabit speed, 500 us for 100Mbps speed and 5000us for 10Mbps speed

**Note:** This effect may be not significant for long broadcast packet, since the broadcast packet count passing through the switch in a time unit is probably less than the specified number.

## 4.4 VLAN Setting

**VLAN Setting -> VLAN Mode**

A VLAN is a group of ports that can be anywhere in the network, but communicate as though they were in the same area. VLANs can be easily organized to reflect department groups (such as R&D, Marketing), usage groups (such as e-mail), or multicast groups (multimedia applications such as video conferencing), and

therefore help to simplify network management by allowing users to move devices to a new VLAN without having to change any physical connections.

The screenshot shows the Eagle Eye Networks web interface. The top navigation bar includes the logo and a status indicator with a grid of lights labeled 1-8 and G1, G2. The left sidebar contains a menu with categories like Administrator, PoE, Port Management, VLAN Setting (selected), Per Port Counter, QoS Setting, Security, Spanning Tree, DHCP Relay Agent, Backup/Recovery, Miscellaneous, SNMP Settings, and Logout. The main content area is titled "VLAN Mode" and features a "Port Based VLAN" section with a "Change VLAN mode" button.

**Prot Based VLAN:** Port-Based VLANs are the simplest and most common form of VLAN. It assigns the appliance LAN ports to VLANs, effectively transforming the appliances. You can assign multiple ports to the same VLAN, or each port to a separate VLAN.

**802.1Q VLAN:** By default, 802.1Q VLAN is disabled. With 802.1Q VLAN enabled, the VLAN VID 1 is created by default with an empty VLAN name field and all ports are configured as “Untagged” members.

**VLAN Setting**

The screenshot shows the "VLAN Member Setting (Port Based)" configuration page. It includes a form for adding a new VLAN member with a name field (max 8 characters), "Add", and "Rename" buttons. Below this are "Delete", "Update", and "LoadDefault" buttons. A table allows selecting ports for two different destination VLANs (G1 and G2). The table has columns for ports 01-08 and G1, G2. A second table, titled "VLAN MEMBER", shows the current configuration for each port, with "01" and "02" assigned to "G1" and others to "-".


Destination PORT	01	02	03	04	05	06	07	08
Select	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Destination PORT	G1	G2	-	-	-	-	-	-
Select	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VLAN MEMBER										
Port Num	01	02	03	04	05	06	07	08	G1	G2
	-	-	-	-	-	-	-	-	-	-

**Add VLAN:** Click to create a new VLAN name and to select VLAN ports. The VLAN name should be less than 10 characters. To save the members in a group, click **Add**.

**VLAN Setting ->**



2	4	6	8
1	3	5	7

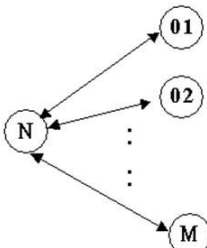
G1	G2

- Administrator
- PoE
- Port Management
- VLAN Setting
  - VLAN mode
  - VLAN Member
  - Multi to 1 Setting
  - Non-Association Port Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Multi to 1 Setting

Enable	Enable
Destination PortNo	Port: 1
Current Setting	Port:
Disable Port	<input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> G1 <input type="checkbox"/> G2


1 A example for Multi-to-1 structure

**Ports**  


**VLAN Groups**  
1  
2  
:  
:  
M

2 The original setting of the VLAN Group will be cleared and replaced by this special structure if you enable this function. On the other hand, if you set the VLAN Group again, this special structure will be cleared and replaced by your newest setting.

### VLAN Setting ->



2	4	6	8
1	3	5	7

G1	G2

- Administrator
- PoE
- Port Management
- VLAN Setting
  - VLAN mode
  - VLAN Member
  - Multi to 1 Setting
  - Non-Association Port Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Non-Association Port Setting


Select Port No.	<input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/> G1 <input type="checkbox"/> G2
-----------------	---

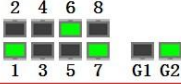
Note:  
If a port is the non-association port, it will not send packet to other non-association ports.

## 4.5 Per Port Counter

### Per Port Counter -> Port Counter

The Statistics screen displays the status of each port packet count.





- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
  - Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Counter Category


Counter Mode Selection: Transmit Packet & Receive Packet Update


Port	Transmit Packet	Receive Packet
01	1151989	73940
02	1034384	71957
03	0	0
04	234164	6135
05	0	0
06	371708	17039
07	393181	20057
08	0	0
G1	0	0
G2	102094	1139737

Clear Refresh

## 4.6 QoS Setting

### QoS Setting -> Priority Mode





- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
  - Priority Mode
  - Port, 802.1p ,IP/DS based
  - TCP/UDP Port Based
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Priority Mode

Priority Mode

Mode	<input checked="" type="radio"/> First-In-First-Out <input type="radio"/> All-High-before-Low <input type="radio"/> Weight-Round-Robin.	Low weight: <span>0</span>	High weight: <span>0</span>
------	---	----------------------------	-----------------------------

Update

Note: When the queue weight is set to "0", it will be treated as "8".  
The "low weight" and "high weight" means the ratio of the packet in the transmit queue. For example,  
If "low weight" and "high weight" are set to "3" and "5", the ratio of the transmit packet for the low priority to high priority is 3/5.

### QoS Setting -> Port, 802.1p ,IP/DS based



- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
  - Priority Mode
  - Port, 802.1p, IP/DS based
  - TCP/UDP Port Based
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Class of Service Configuration

=Enable High Priority

Port No.\Mode	Port Base	VLAN Tag	IP / DS	Port No.\Mode	Port Base	VLAN Tag	IP / DS
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Update](#)

As long as any of three COS schemes(802.1p,IP TOS/DS or Port Base) is mapped to "high", the data packet will be treated as the high priority.

### QoS Setting -> TCP/UDP Port Based

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
  - Priority Mode
  - Port, 802.1p, IP/DS based
  - TCP/UDP Port Based
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Class of Service Configuration

Protocol	Option
FTP(20,21)	F-I-F-0
SSH(22)	F-I-F-0
TELNET(23)	F-I-F-0
SMTP(25)	F-I-F-0
DNS(53)	F-I-F-0
TFTP(69)	F-I-F-0
HTTP(80,8080)	F-I-F-0
POP3(110)	F-I-F-0
NEWS(119)	F-I-F-0
SNTP(123)	F-I-F-0
NetBIOS(137~139)	F-I-F-0
IMAP(143,220)	F-I-F-0
SNMP(161,162)	F-I-F-0
HTTPS(443)	F-I-F-0

## 4.7 Security

### Security -> MAC Address Binding

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
  - MAC Address Binding
  - MAC Address Scan
  - TCP/UDP Filter
  - Web Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## MAC Address Binding

Port No.	MAC Address																		
1	<table border="1" style="margin: auto;"> <tr> <td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td> </tr> <tr> <td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td> </tr> <tr> <td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td> </tr> </table> <input type="button" value="Read"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
Select Port <span>1</span> Binding <span>Disable</span> <input type="button" value="Update"/>																			

Note: If you enable the MAC address binding function, the address leaning function will be disabled automatically.

Port No.	Binding Status	Port No.	Binding Status
1	Disable	6	Disable
2	Disable	7	Disable
3	Disable	8	Disable
4	Disable	G1	Disable
5	Disable	G2	Disable

Note: The MAC address of current management connection is 54:a0:50:54:41:d6 at port 1.


### Security -> Scan MAC

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
  - MAC Address Binding
  - MAC Address Scan
  - TCP/UDP Filter
  - Web Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## Scan MAC

Port Select: <span>1</span>				
<table border="1" style="margin: auto;"> <thead> <tr> <th style="width: 60%;">MAC Address</th> <th style="width: 40%;">Entry Status</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">54:A0:50:54:41:D6</td> <td style="text-align: center;">dynamic</td> </tr> </tbody> </table> <input type="button" value="Refresh"/>	MAC Address	Entry Status	54:A0:50:54:41:D6	dynamic
MAC Address	Entry Status			
54:A0:50:54:41:D6	dynamic			

### Security -> TCP/UDP Filter



2	4	6	8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	3	5	7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G1	G2
<input type="checkbox"/>	<input type="checkbox"/>

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
  - MAC Address Binding
  - MAC Address Scan
  - TCP/UDP Filter
  - Web Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### TCP\_UDP Filter Configuration

Function Enable: Disable

Port Filtering Rule: negative

Note:  
(1) The outgoing packet with selected protocol will be either forwarded or dropped at se  
(2) "negative" means the selected protocol will be dropped and other protocols will be  
"positive" means the selected protocol will be forwarded and other protocol will b

<input type="checkbox"/> FTP (20, 21)	<input type="checkbox"/> SSH (22)	<input type="checkbox"/> TELNET (23)	<input type="checkbox"/> SMTP (25)	<input type="checkbox"/> DNS (53)
<input type="checkbox"/> NEWS (119)	<input type="checkbox"/> SNMP (123)	<input type="checkbox"/> NetBIOS (137~139)	<input type="checkbox"/> IMAP (143, 220)	<input type="checkbox"/> SNMP (161, 162)
<input type="checkbox"/> User_Define_a	<input type="checkbox"/> User_Define_b	<input type="checkbox"/> User_Define_c	<input type="checkbox"/> User_Define_d	

Note: These User-defined A/B/C TCP/UDP settings use the same port number settings as the Users-defined A/B/

<input type="checkbox"/> Port01	<input type="checkbox"/> Port02	<input type="checkbox"/> Port03	<input type="checkbox"/> Port04	<input type="checkbox"/> Port05
<input type="checkbox"/> G1	<input type="checkbox"/> G2			

[Update](#)


Note: The description of Secure WAN port is shown below.

The packet will be

**Security -> Web Management Filter**

## 4.8 Spanning Tree

**Spanning Tree -> STP Bridge Settings**



2	4	6	8
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	3	5	7
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

G1	G2
<input type="checkbox"/>	<input type="checkbox"/>

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
  - MAC Address Binding
  - MAC Address Scan
  - TCP/UDP Filter
  - Web Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### Web Management Filter


State: Disable

<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 04	<input type="checkbox"/> 05	<input type="checkbox"/> 06	<input type="checkbox"/> 07	<input type="checkbox"/> 08
<input type="checkbox"/> G1	<input type="checkbox"/> G2	---	---	---	---	---	---

[Update](#)

User select port which enable to access web management, unselect port can not access web managemnt

**Spanning Tree -> STP Port Settings**



2	4	6	8
1	3	5	7

G1	G2
----	----

- ▶ Administrator
- ▶ PoE
- ▶ Port Management
- ▶ VLAN Setting
- ▶ Per Port Counter
- ▶ QoS Setting
- ▶ Security
- ▶ **Spanning Tree**
  - STP Bridge Settings
  - STP Port Settings
  - Loopback Detection
- ▶ DHCP Relay Agent
- ▶ Backup/Recovery
- ▶ Miscellaneous
- ▶ SNMP Settings
- ▶ Logout

## STP Bridge Settings

**Spanning Tree Settings**

STP Mode	Bridge Priority (0~61440)	Hello Time (1~10 Sec)	Max Age (6~40 Sec)	Forward Delay (4~30 Sec)
▼	[ ]	[ ]	[ ]	[ ]

Note:  $2 * (\text{Forward Delay} - 1) \geq \text{Max Age}$ ,  
 $\text{Max Age} \geq 2 * (\text{Hello Time} + 1)$   
 Bridge Priority must be multiplies of 4096


Note: If you enable the MAC address binding function, the address leaning function will be disabled automatically. Then both RSTP/STP and address learning will be affected.

**Bridge Status**

STP Mode	Bridge ID	Hello Time	Max Age	Forward Delay
Disable	0:00 00 00 00 00 00	2	20	15

**Root Status**

### Spanning Tree -> Loopback Detection



2	4	6	8
1	3	5	7

G1	G2
----	----

- ▶ Administrator
- ▶ PoE
- ▶ Port Management
- ▶ VLAN Setting
- ▶ Per Port Counter
- ▶ QoS Setting
- ▶ Security
- ▶ **Spanning Tree**
  - STP Bridge Settings
  - STP Port Settings
  - **Loopback Detection**
- ▶ DHCP Relay Agent
- ▶ Backup/Recovery
- ▶ Miscellaneous
- ▶ SNMP Settings
- ▶ Logout

## Loopback Detection Settings

Loopback Detect Function	Disable ▼
Auto Wake Up	Disable ▼
Wake-Up Time Interval	10 sec ▼

Port No.	Status
01	--
02	--
03	--
04	--
05	--
06	--
07	--
08	--
G1	--
G2	--

## 4.9 DHCP Relay Agent

### DHCP Relay Agent -> DHCP Relay Agent

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
  - DHCP Relay Agent
  - Relay Server
  - VLAN MAP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## DHCP Relay Agent

DHCP Relay State :	Disable ▾
DHCP Relay Hops Count Limit (1-16):	<input type="text" value="16"/>
DHCP Relay Option 82 State :	Disable ▾
<input type="button" value="Update"/>	

### DHCP Relay Agent -> Relay Server

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
  - DHCP Relay Agent
  - Relay Server
  - VLAN MAP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## DHCP Relay Agent

DHCP Server IP	<input type="text" value="."/> <input type="text" value="."/> <input type="text" value="."/> <input type="text" value="."/>	<input type="button" value="Add"/>
DHCP Server IP List		

### DHCP Relay Agent -> VLAN MAP Relay Agent

- Administrator
- PoE
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
  - DHCP Relay Agent
  - Relay Server
  - VLAN MAP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## DHCP Relay Agent

VLAN ID	<input type="text" value="1-4094"/>	Map Server IP ▾	<input type="button" value="Add"/>
MAP List			
VLAN ID	Server IP	Action	

## 4.10 Backup/Recovery

Allow the current configuration settings to be saved to a file (not including the password), and if necessary, you can restore configuration settings from the file.

The screenshot shows the Eagle Eye Networks web interface. The top navigation bar includes the logo and a status indicator with lights for ports 1-8 and G1-G2. The sidebar on the left lists various configuration categories, with 'Backup/Recovery' selected. The main content area is titled 'Configuration Backup/Recovery' and contains two sections:

- Backup(Switch→PC):** A text box with the instruction 'Please check "Download" to download EEPROM contents.' and a 'Download' button.
- Recovery(PC→Switch):** A form with a 'Password:' field, a 'Select the image file:' field with a '浏览...' (Browse) button, and an 'Update' button.

Backup or restore the configuration file to or from your local drive.

Click **Download** to save the current settings to your disk.

Click **Browse** to browse your inventories for a saved backup settings file.

Click **Update** after selecting the backup settings file you want to restore.

**Note:** Switch will reboot after restore and all current configurations will be lost

## 4.11 Miscellaneous

### Miscellaneous -> Miscellaneous Settings

The screenshot shows the Eagle Eye Networks web interface. The top navigation bar includes the logo and a status indicator with lights for ports 1-8 and G1-G2. The sidebar on the left lists various configuration categories, with 'Miscellaneous' selected. The main content area is titled 'Miscellaneous Setting' and contains several sections:

- Output Queue Aging Time:** A table with 'Aging time' set to 'ms' and a description: 'The output queue aging function allows the administrator to select the aging time of a packet stored in the output queue. A packet stored in the output queue for a long time will lower the free packet buffer, resulting in the poor utilization of the buffer and the poor switch performance.'
- VLAN Striding:** A table with 'VLAN Striding' set to 'Disable' and a description: 'When this function is enabled, the switch will forward a uni-cast packet to the destination port. No matter whether the destination port is in the same VLAN group.'
- IGMP Snooping V1 & V2:** A table with 'IGMP Snooping' set to 'Disable' and a description: 'IGMP Snooping V1 & V2 function enable'. Below it, 'IGMP Leave Packet' is set to 'Disable' with a description: 'Leave packet will be forwarded to IGMP router ports.'
- VLAN Uplink Setting:** A table with 9 columns for Port 01 through Port 09. Each column has two radio buttons for 'Uplink1' and 'Uplink2'.

## 4.12 SNMP Settings

**EAGLE EYE NETWORKS**

2 4 6 8  
1 3 5 7 G1 G2

Administrator  
PoE  
Port Management  
VLAN Setting  
Per Port Counter  
QoS Setting  
Security  
Spanning Tree  
DHCP Relay Agent  
Backup/Recovery  
Miscellaneous  
SNMP Settings  
Logout

### SNMP Settings

Community Settings	
Community Name	Access Right
public	Read Only
	Read Only
<input type="button" value="Update"/>	

SNMP Settings	
System Description	IP1826
System Contact	Contact
System Location	Location
<input type="button" value="Update"/>	

SNMP Trap Settings	
Trap State	Enable
Enable Trap Server	Disable
Trap Server Address	
Trap Server Status	--

## 4.13 Logout

Click this to end this session

Logout?

**Note:** If you close the web browser without clicking the **Logout** button, it will be seen as an abnormal exit and the login session will still be occupied.

## 4.14 PoE

### PoE -> PoE Setting

This section provides PoE (Power over Ethernet) Configuration and PoE output status of PoE Switch.

Port	Status	Class	Power Consumption(Watt)	Current (mA)
1	Enable	---	0.0	0
2	Enable	---	0.0	0
3	Enable	---	0.0	0
4	Enable	---	0.0	0
5	Enable	---	0.0	0
6	Enable	0	3.0	62
7	Enable	0	8.6	177
8	Enable	---	0.0	0

**Main Power consumption:** The Statistics screen displays the total Watts usage of PoE Switch.

**Status:** Can enable or disable the PoE function.

**Class:** Class 0 is the default for PDs. However, to improve power management at the PSE, the PD may opt to provide a signature for Class 1 to 4.

The PD is classified based on power. The classification of the PD is the maximum power that the PD will draw across all input voltages and operational modes. A PD shall return Class 0 to 4 in accordance with the maximum power draw as specified by following Table.

Class	Usage	Range of maximum power used by the PD
0	Default	0.44 to 12.95 Watts
1	Optional	0.44 to 3.84 Watts
2	Optional	3.84 to 6.49 Watts
3	Optional	6.49 to 12.95 Watts
4	Optional	12.95 to 25.5 Watts

**Power Consumption (Watt):** It shows the PoE supply Watts.


**Current (mA):** It shows the PoE device current Amp.


**Current-Limit (mA):** It can limit the port PoE supply Amp. Per port maximum value must less **600**. Once power overload detected, the port will auto shut down and we should manually enable the PoE port.

### PoE -> PoE Power Delay

This section provides PoE Power Delay Configuration.







- Administrator
- PoE
  - PoE Setting
  - PoE Power Delay
  - PoE Scheduling
  - NTP Setting
  - PoE Autocheck
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings

## PoE Power Delay

Function	Delay Mode -----	Delay Time (0~300) _____ second
Port No.	01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08 <input type="checkbox"/>	
<input type="button" value="Update"/>		


Port	Delay Mode	Delay Time (second)
1	Enable	50
2	Enable	50
3	Enable	50
4	Enable	50
5	Enable	50
6	Enable	50
7	Enable	50
8	Enable	50


**Delay Mode:** Enable or disable the port's PoE Power Delay function.

**Delay Time:** Set PoE power delay time (0~300).

**PoE -> PoE Scheduling**

PoE Schedule user can configure a duration time for PoE port as default value does not provide power.





- Administrator
- PoE
  - PoE Setting
  - PoE Power Delay
  - PoE Scheduling
  - NTP Setting
  - PoE Autocheck
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

## PoE Scheduling

Schedule on Port	1	Schedule Mode	Enable
		Schedule AM/PM	A.M.

Select all

Hour	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
04	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
05	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
06	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
07	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
09	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


**Note** Please enable NTP and correct the System Time first.

As default value, all PoE Schedule Profile functions are disabled

Please use mouse to click on the block about what time you want to supply power for PoE port.

**PoE -> NTP Setting**

This section provide the NTP Configuration of PoE Switch



**NTP Setting**

System Time	1:5:25
NTP Server	#1 202.118.1.81
	#2 59.124.196.85
Time Zone	GMT+8:00


**System Time:** Display current time information

**NTP Server:** Allow assign #1 or #2 NTP server IP address manually

**Time Zone:** Allow select the time zone according to current location

**PoE -> PoE Auto-check**

The PoE Switch can be configured to monitor connected PD's status in real-time via ping action. Once the PD stops working and without response, the PoE Switch is going to restart PoE port power, and bring the PD back to work. It will greatly enhance the reliability and reduces administrator management burden. If you do not fill in autoping address, will have the following tips.



**PoE Auto-check**

Set Port No.	1	IP Address	0 . 0 . 0 . 0	Enable Checking Port.No	<input type="checkbox"/> 01 <input type="checkbox"/> 02 <input type="checkbox"/> 03 <input checked="" type="checkbox"/> 04 <input type="checkbox"/> 05 <input type="checkbox"/> 06 <input type="checkbox"/> 07 <input type="checkbox"/> 08
Checking Time	1 Min.	Reset Delay Time	3 Sec.		

Port No.	IP Address	Enable Status
1	0.0.0.0	Off.
2	0.0.0.0	Off.
3	0.0.0.0	Off.
4	192.168.1.206	On.
5	0.0.0.0	Off.
6	0.0.0.0	Off.
7	0.0.0.0	Off.
8	0.0.0.0	Off.

If the address is not filled, there will be web tips

- Administrator
- PoE
  - PoE Setting
  - PoE Power Delay
  - PoE Scheduling
  - NTP Setting
  - PoE Autocheck
- Port Management
- VLAN Setting
- Per Port Counter
- QoS Setting
- Security
- Spanning Tree
- DHCP Relay Agent
- Backup/Recovery
- Miscellaneous
- SNMP Settings
- Logout

### PoE Auto-check

Set Port No.  IP Address

Checking Time  Min. Reset Delay Time  Sec. Enable Checking Port.No  01  02  03  04  05  06  07  08

Port No.	IP Address	Enable Status
1		Off.
2		Off.
3		Off.
4	192.168.1.206	On.
5	0.0.0.0	Off.
6	0.0.0.0	Off.
7	0.0.0.0	Off.
8	0.0.0.0	Off.

来自网页的消息

 Please set auto-check IP address for port 1

**Set Port No.:** Select the port which you want to set IP Address

**IP Address:** Allow assign IP address which you want to monitor

**Checking Time:** Select checking time ping action (1-10Min)

**Reset Delay Time:** Select PD Reset time (1-3Seconds)

**Enable Checking Port. No:** Select the port which you want to enable PoE Auto-check

-----The end-----

---

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