INTELLINET NETWORK SOLUTIONS 562034 PoE Powered 6 Port Lite Smart Managed PoE Plus Switch User Manual

Contents

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Specifications

- **Model:** 562034 (IPS-6GM02-60W)
- **Brand:** Intellinet Network Solutions
- **Power Input:** PoE (Power over Ethernet)
- **Ports:** 6 ports (4 GbE Ports, 2 GbE Uplinks)
- **Power Output:** PoE Passthrough
- **Power Budget:** 60W

Product Overview:
The PoE-Powered 6-Port Lite Smart Managed PoE+ Switch by Intellinet Network Solutions is designed to provide power and network connectivity to various devices. It features 4 Gigabit Ethernet ports, 2 Gigabit Ethernet uplink ports, and PoE Passthrough capabilities.

Features:

- Smart Managed Switch
- Power over Ethernet (PoE) support
- 4 GbE Ports and 2 GbE Uplinks
- PoE Passthrough function
- Easy to configure and manage

Product Usage Instructions

Installing the Switch:

Desktop Installation:
Place the switch on a flat surface near power and network connections.

Wall Mounting:
Use appropriate mounting hardware to securely attach the switch to a wall.

Configuration Guide:

Connecting to Power:
Use a PoE power source to connect the switch to power.

Logging into the Switch:
Access the switch's web interface using a web browser and log in with the provided credentials.

FAQ:

Q: How do I reset the switch to factory settings?
A: To reset the switch to factory settings, locate the reset button on the switch, press and hold it for about 10 seconds until the switch restarts.

Q: Can I connect non-PoE devices to this switch?
A: Yes, you can connect non-PoE devices to the switch, but they will not receive power from the switch. You will need to power them separately.

PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough User Manual

This manual provides information about using Intellinet Network Solutions PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough [562034 / IPS-6GM02-60W]

READER OBJECT

- Network Engineer
- Technical Promotion Personnel
- Network Administrator

TECHNICAL SUPPORT
Intellinet Website intellinet-network.com

MANUAL DETAILS
Command line format Convention
The meaning of the command line format is explained below:

Bold: the command line keywords (the parts that must be input as they remain unchanged in the command) areexpressed in bold font.

Italics: command line parameters (parts of the command that must be replaced by actual values) are expressed in italics.

- [ ]: indicates the part enclosed by [ ], which is optional during command configuration.
- { x | y | … }: Indicates that one of two or more options is selected.
- [x | y | …]: Indicates to select one or none of two or more options.
- //: a line starting with a double slash is represented as a comment line.

Description

- Some port types illustrated in this manual may be inconsistent with the actual situation. In actual operation, it is necessary to configure according to the port types supported by each product.
- The display information illustrated in this manual may contain the contents of other product series (such as product model, description, etc.), and the specific display information shall be subject to the actual equipment information.

INTRODUCTION

Thank you for purchasing the Intellinet Network Solutions PoE-Powered 6-Port Lite Smart Managed PoE+Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough. Before you install and use this product, read this manual carefully for a full understanding of its functions.

PRODUCT OVERVIEW

This Web Smart Managed PoE Switch features 6 RJ45 ports with speeds of 10/100/1000Mbps. Each port supports automatic MDI/MDIX rollover and wire-speed forwarding. Ports 1-4 offer PoE power supply per IEEE 802.3af/at standards, serving as power sources for compatible devices. The switch utilizes storage and forwarding technology with dynamic memory allocation to effectively allocate bandwidth to each port. It offers user-friendly interface, enabling flexible expansion of home and office networks without being limited by power line layouts. It's easy to manage and maintain, adapting to diverse scenario requirements.
Web Smart refers to the device web management system, that is, the web management system that manages or configures the device, and manages the device by accessing Web Smart using a browser (such as Chrome).
Web management includes two parts: Web server and Web client. The Web server is integrated on the device to receive and process the requests sent by the client and return the processing results to the client. The Web client usually refers to the browser, such as Chrome, IE and FF.

FEATURES

- Supports IEEE 802.3, IEEE802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3p, IEEE 802.3q, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z.
- Power budget of 60 W.
- Supports PoE power up to 30 W for each PoE port.
- Supports MAC address auto-learning and auto-aging.
- Six 10/100/1000 Mbps self-adapting RJ45 ports
- Six gigabit RJ45 ports to link to higher-bandwidth equipment upstream.
- Store and forward switching architecture.
- Web-based management support.
- LED indicators for monitoring power, link/activity and PoE.

EXTERNAL COMPONENT DESCRIPTION

FRONT PANEL
The front panel of the Switch consists of six Gigabit ports; four are PoE-enabled and two are Gigabit uplink ports. Each of the four PSE ports (Ports 1-4) can provide up to 30 watts (with total capacity of up to 60W); non-PoE devices only receive data.

Reset button (Reset):
To reset the Switch press the button.

LED indicators:
The LED indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the switch, its connection or attached devices.

The following chart shows the LED indicators of the switch along with explanation of each indicator.

LED	COLOR	STATUS	STATUS DESCRIPTION
PWR	Orange	On	Power is supplied via the AC adapter or the PD port.
		Off	No power is supplied to the switch
LINK/ACT	Green	On	A network link has been established
		Flashing	A network link has been established and data packets are being sent and received
		Off	No network link is established
POE	Orange	On	Port is supplying power to a connected PoE device.
		Flashing	Abnormal power supply
		Off	Port is not supplying power to a connected PoE device.

REAR PANEL
The rear panel of the Switch contains one grounding terminal and an AC power connector as shown.

AC Power Connector:
Power is supplied through an external AC power adapter. It supports 100 – 240 V AC, 50/60 Hz.

Grounding Terminal:
Wire the grounding terminal to an object that provides earth grounding (in rackmount installations,grounding is typically provided by the metal frame of the mounting rack), which is located on the side of the power supply connector.

PACKAGE CONTENTS
Before installing the Switch, make sure that the following packing list matches the items in the packaging. If any part is lost and damaged, please contact your place of purchase as soon as possible. In addition, make sure that you have the tools to install switches and cables on hand.

- PoE-Powered 6-Port Lite Smart Managed PoE+ Switch with 4 GbE Ports / 2 GbE Uplinks and PoE Passthrough
- Quick Instruction Guide
- AC Power Cord

INSTALLING THE SWITCH

This section describes how to install your Switch and make connections to it. Review the following topics and perform the procedures in the order being presented.
Use the following instructions to avoid incorrect installation, which could damage the Switch or void the warranty.

- Place the Switch on stable surface that can safely hold the switch and any related equipment.
- Make sure the Switch will be connected to power in the proper AC input range (refer to the switch label).
- Avoid electric shock — do not open the Switch housing, even if the switch is disconnected from power.
- Make sure that there is proper clearance on all sides of the Switch for proper heat dissipation and adequate ventilation.

DESKTOP INSTALLATION

When installing the Switch on a desktop, allow adequate space for ventilation between the device and the objects around it. Be sure to place the switch on a stable surface that can support the weight of the switch and any other components that may be placed on it.

WALL MOUNTING

First, install screws (not included) into the wall at appropriate distances. Then, hang the unit on the screws and slide it into place so it is secure.

CONFIGURATION GUIDE

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

- Powering on the device
- Connecting to the network
- Starting the web-based configuration utility

CONNECTING TO POWER

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.
Connect the AC 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.

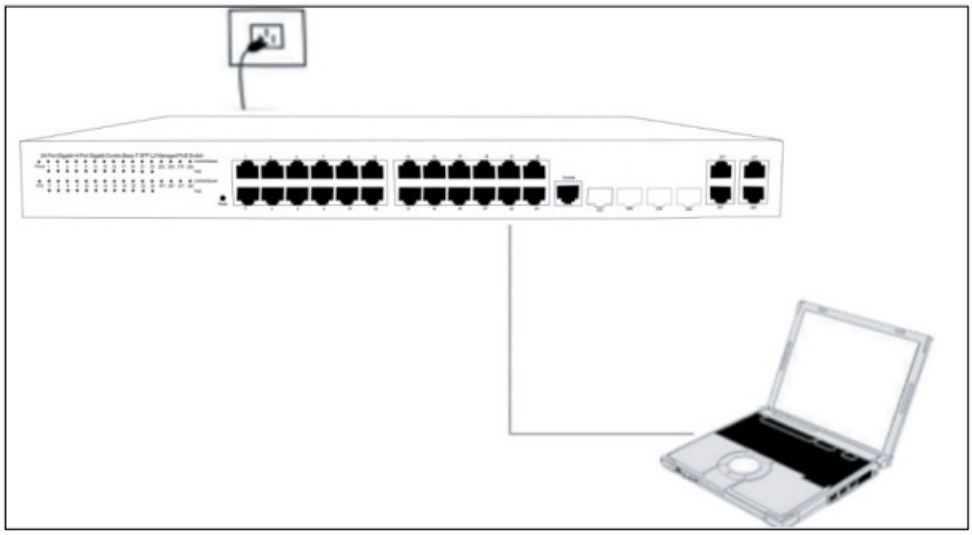
CONNECTING TO NETWORK

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 lights if the device connected is active.
3. Repeat Step 1 and Step 2 for each device to connect to the switch.

We strongly recommend using CAT5E 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 attached devices or the LAN to be operational after it is connected. This is normal behavior.

Connect the switch to end nodes using a standard Ethernet cable (UTP/STP) to connect the switch to end nodes.



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

LOGGING INTO THE SWITCH

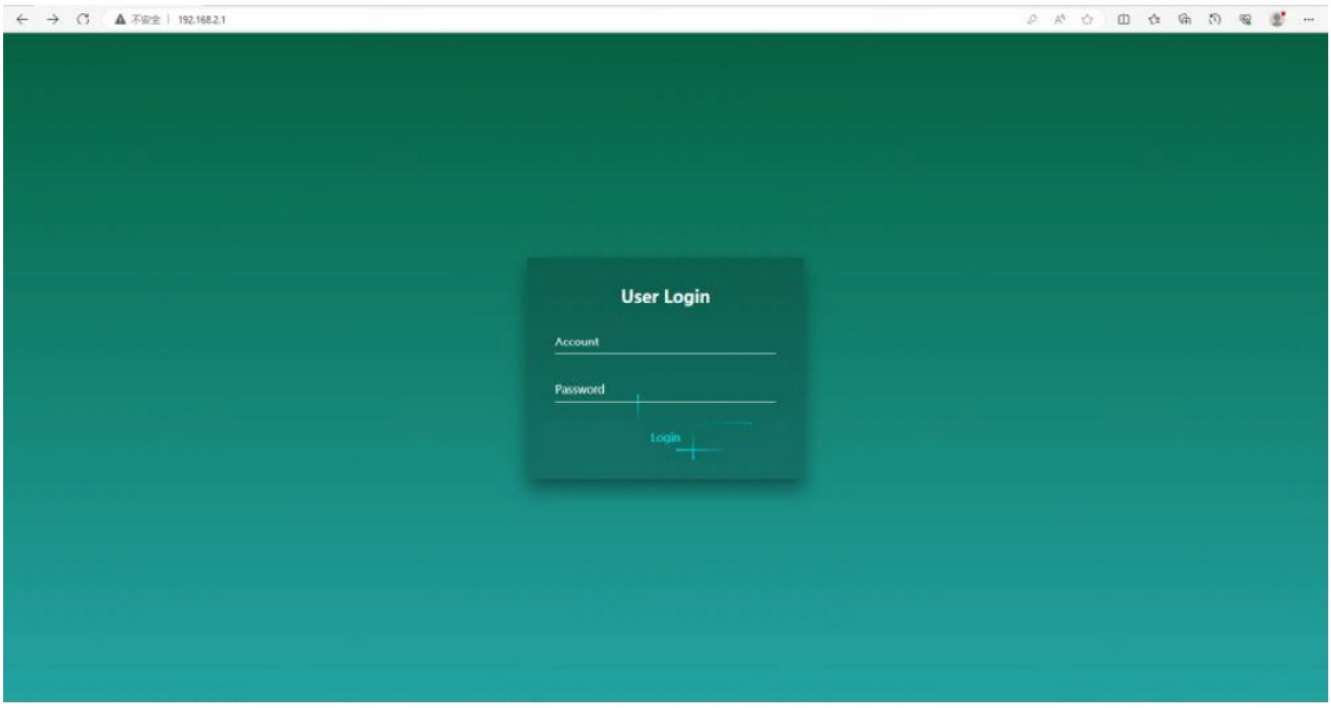
This section describes how to navigate the web-based switch configuration utility. Be sure to disable any pop-up blocker.

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 then press Enter.

After a successful connection, the login window displays.



LOGGING IN

To log in to the device configuration utility:

1. Enter the default user ID and the default password.
2. If this is the first time that you logged on with the default user ID and the default password it is recommended that you change your password immediately.
3. When the login attempt is successful, the System Information window displays.

PARAMETER	DEFAULT VALUE
Default IP address	192.168.2.1
Default Username	admin
Default Password	*the serial number of the Switch*

If you entered an incorrect username or password, an error message appears and the Login page remains displayed on the window.

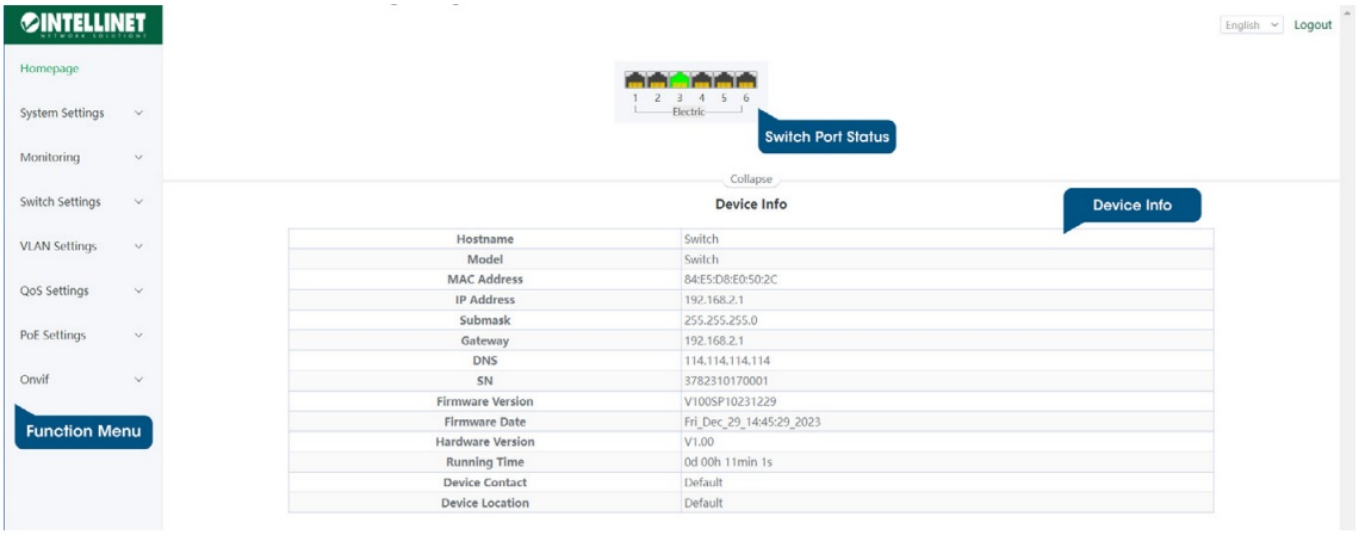
By default, the application logs out after five minutes of inactivity.

To logout, click Logout in the top right corner of any page. The system logs out of the device.

When a timeout occurs or you intentionally log out of the system, a message appears and the Login page appears,with a message indicating the logged-out state. After you log in, the application returns to the initial page.

WEB-BASED SWITCH CONFIGURATION

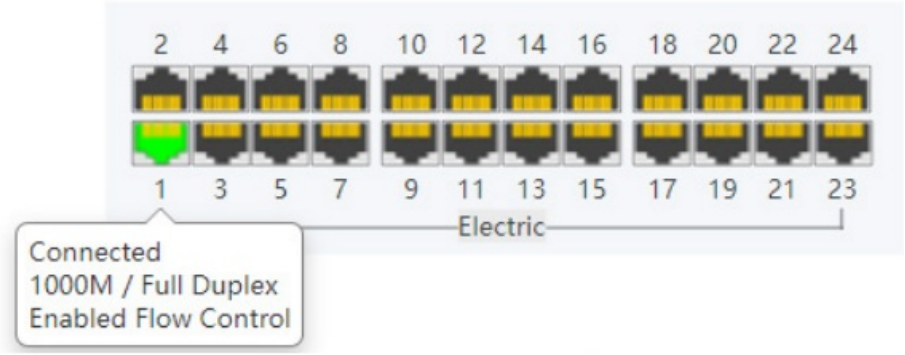
The WebSmart switch software provides Layer 2 functionality for switches in your networks. This chapter describes how to use the web-based management interface (Web UI) to configure the switch's features.
For the purposes of this manual, the user interface is separated into three sections, as shown in the following figure:



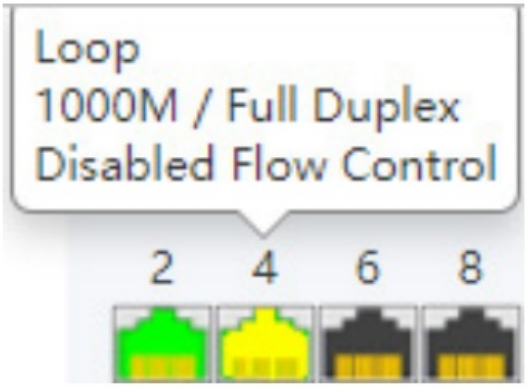
As you can see, the page is divided into two parts:

- The left part is the menu bar, which displays the links of all configuration functions of the equipment, such as monitoring management and switch configuration module.
- The right part is the content area, which is divided into upper and lower parts. The upper side is the port status bar, Chinese and English display switching and “Logout” button,and the lower side is the page content presentation and configuration area.

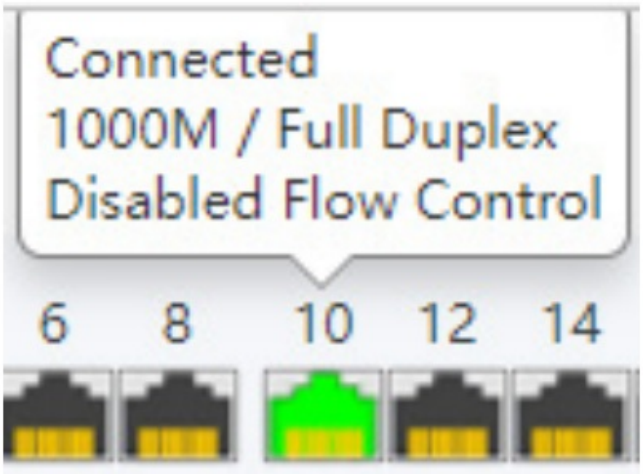
Port Status Bar:
Move the mouse to the port to display the basic status of the port (including port connection status, rate duplex and flow control status). Click “Collapse” to hide the port status bar and display more content areas to view other configuration information.

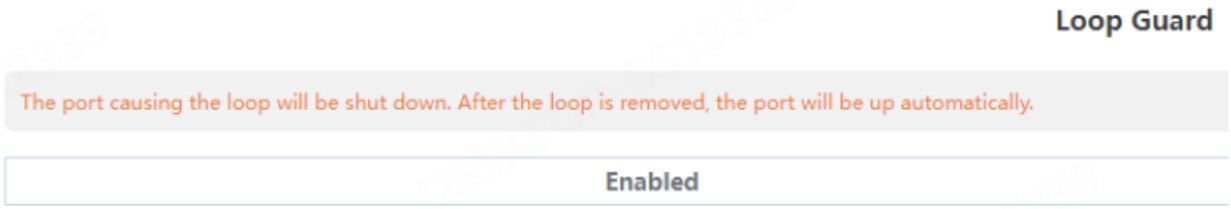


When a loop appears on the port, the port icon displays yellow



When the port works normally, the port icon displays green
The content area sometimes presents orange text (indicating the description of the function block)





WEB SMART CONFIGURATION

HOMEPAGE

The homepage interface displays the basic information of the device.

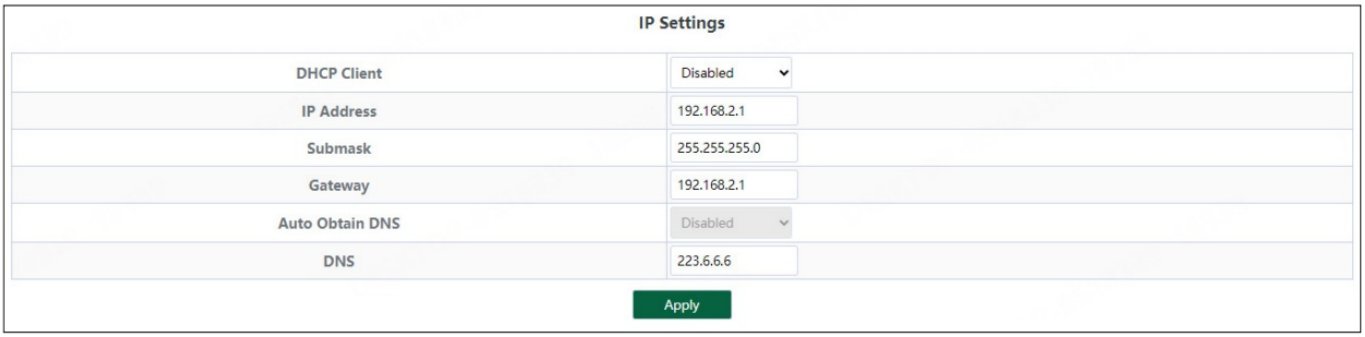
Device Info	
Hostname	Switch
Model	Switch
MAC Address	84:E5:D8:E0:50:2C
IP Address	192.168.2.1
Submask	255.255.255.0
Gateway	192.168.2.1
DNS	114.114.114.114
SN	3782310170001
Firmware Version	V100SP10231229
Firmware Date	Fri_Dec_29_14:45:29_2023
Hardware Version	V1.00
Running Time	0d 00h 11min 1s
Device Contact	Default
Device Location	Default

SYSTEM SETTINGS

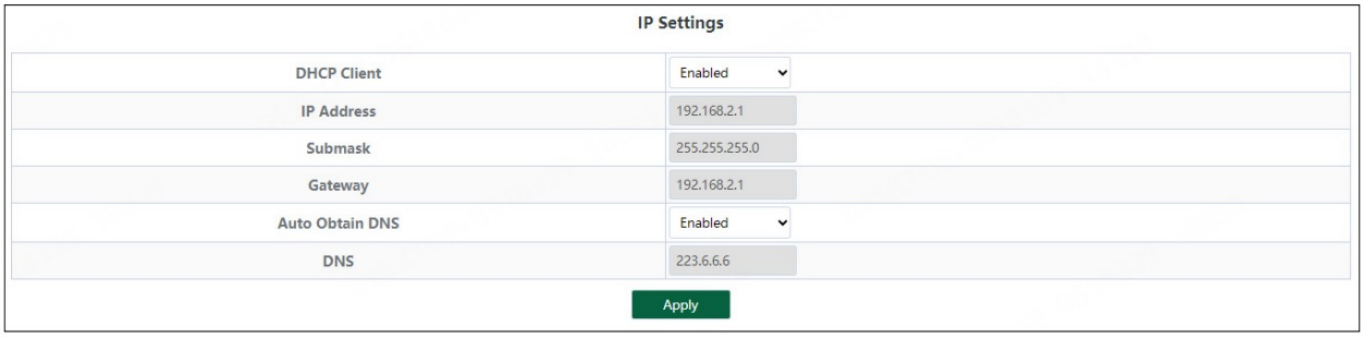
DEVICE INFO

Configure the information of the device, including Device Name, Device Contact and Device Location.

IP SETTINGS
Configure device management IP (default static IP: 192.168.2.1)

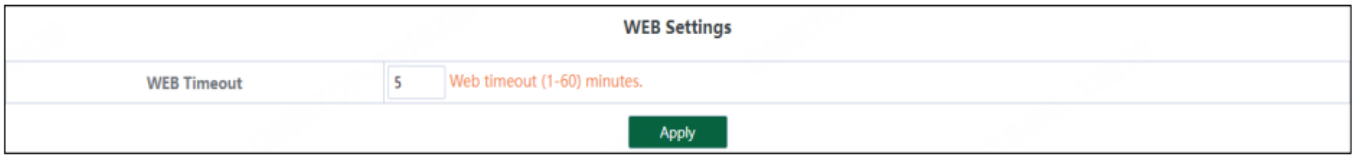


When “Auto Obtain IP” is displayed as follows:



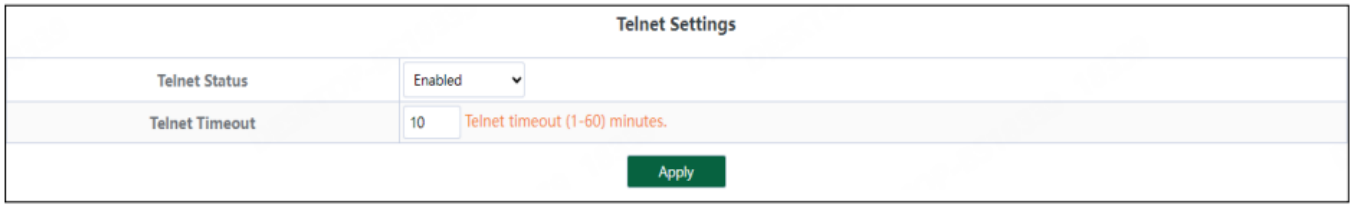
When configuring IP, the device will be disconnected briefly. If automatic IP acquisition is enabled,you need to obtain the configuration IP from the DHCP server on your network.

WEB SETTINGS
Configure web page timeout, default is 5 minutes.



The timeout can be configured for 1-60

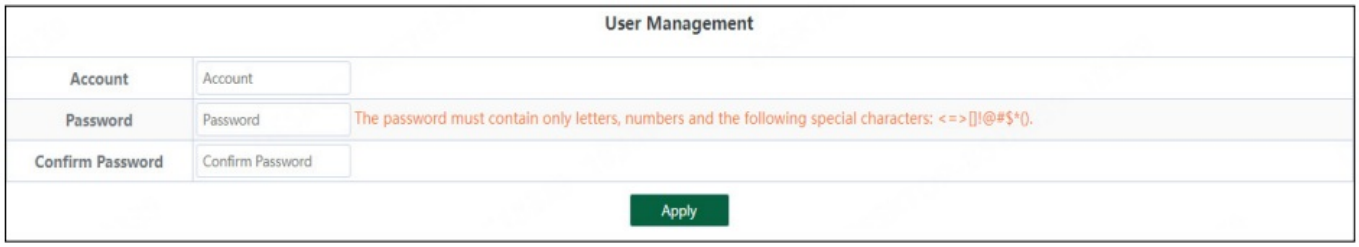
TELNET SETTINGS
Configure Telnet timeout, default is 10 minutes.



The timeout can be configured for 1-60 minutes.

USER MANAGEMENT

Configure the account and password for web page login (The password must contain 6-16 characters and contain only letters, numbers and the following special characters: <=>[]!@#$*().)

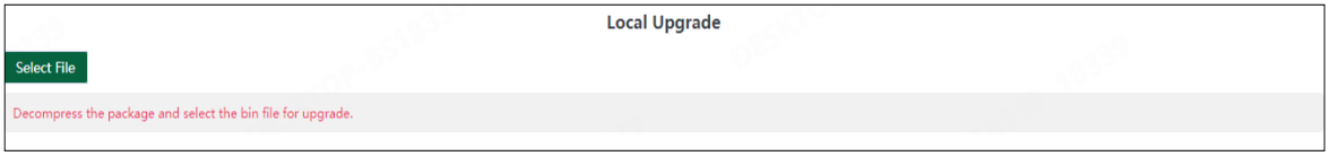


UPGRADE

System upgrade can be divided into Local upgrade and Online upgrade:

1. Local upgrade

   Click “Select File” and select the software package you want to upgrade in the popup file selection box (the software upgrade package is a file in xxx.bin format).

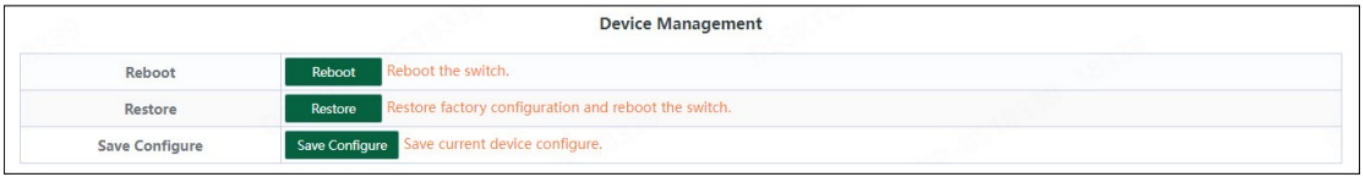


2. Online upgrade

This option is currently not available.

DEVICE MANAGEMENT

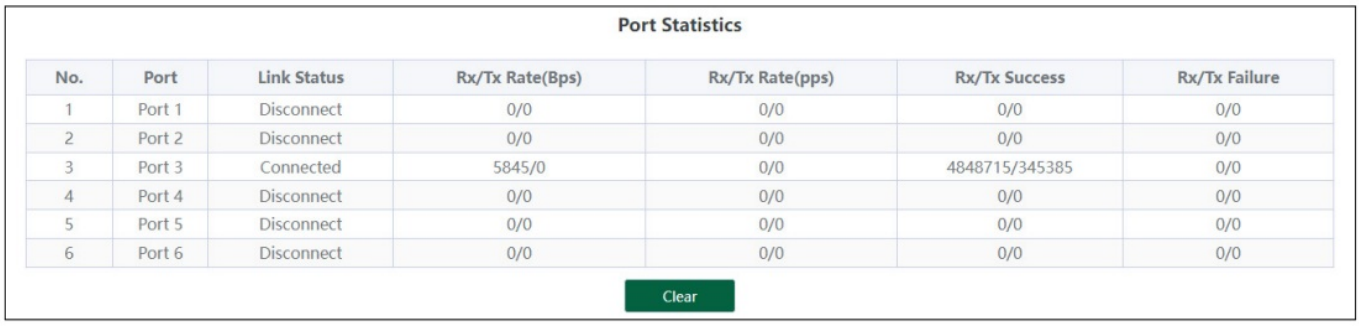
BUTTON	DESCRIPTION
Reboot	Click to restart the equipment
Restore	Click to restore the factory configuration and restart the equipment
Save Config	Click to save current device configure



MONITORING

PORT STATISTICS

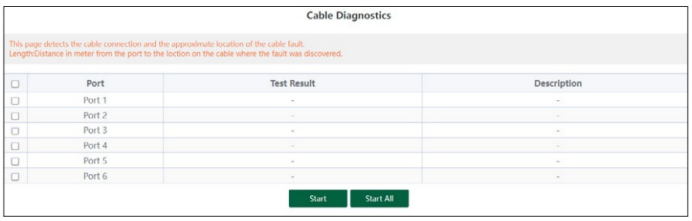
The Port Statistics page displays the data statistics and status of the device port, such as the port sending and receiving rate, sending and receiving packets, etc.

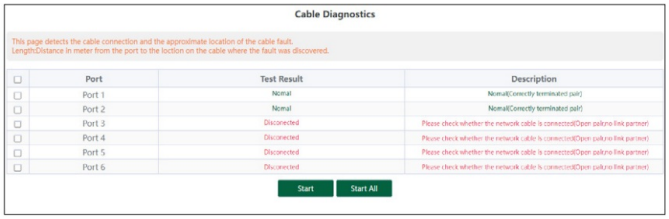


CABLE DIAGNOSTICS

It is possible to perform various tests of a attached cable via the corresponding port through cable detection (such as whether the cable is short circuited, disconnected, etc.).

Click “Start All” and wait for the test results to return.





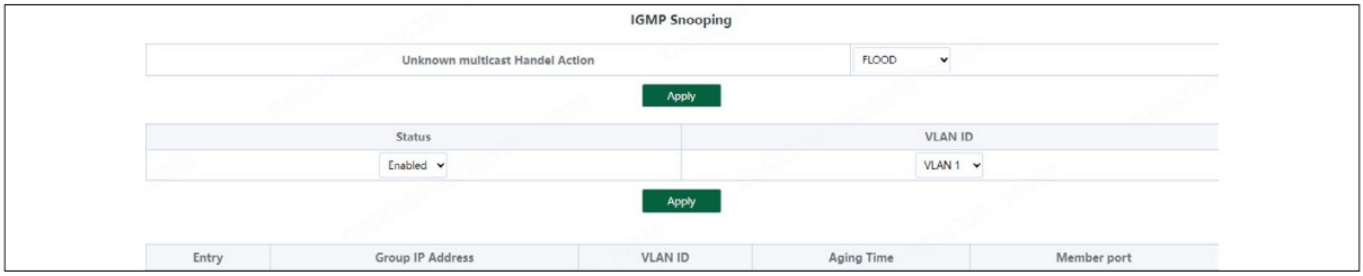
LOOP GUARD (PART OF OUR SELF-HEALING NETWORK SUITE)

Configure enable loop guard

The port causing the loop will be shut down. After the loop is removed, the port will be up automatically. (Default is disable).

IGMP SNOOPING

Configure IGMP Snooping



Unknown multicast Handel Action can configure FLOOD or DROP, Select the VLAN you want to enable and click “Apply” to save.

IGMP Snooping only supports DIP mode, the maximum multicast entry is 10, Unknown multicast Handel Action default is flood.

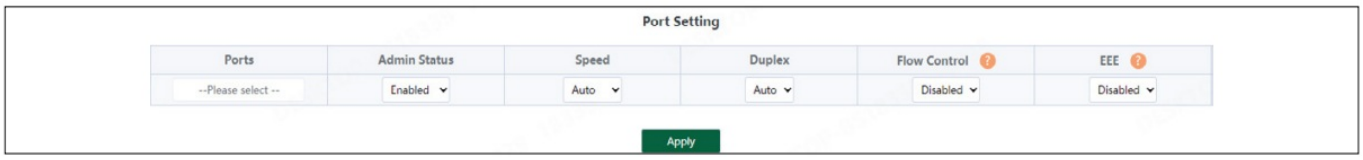
SWITCH SETTINGS

PORT SETTINGS

Port configuration can batch configure the status, speed, duplex, flow control and EEE (Energy Efficient Ethernet) properties of ports. The page is divided into two parts:

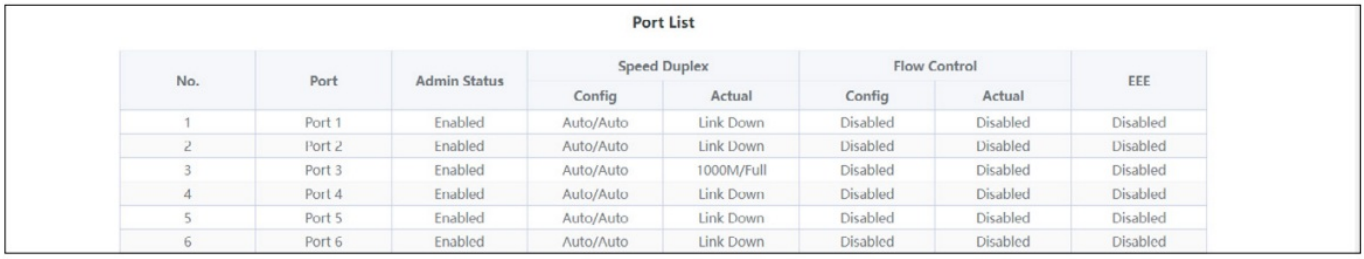
Configuration part:

Select the port to be configured, then select each attribute to be configured, and click “Apply” to distribute the configuration.



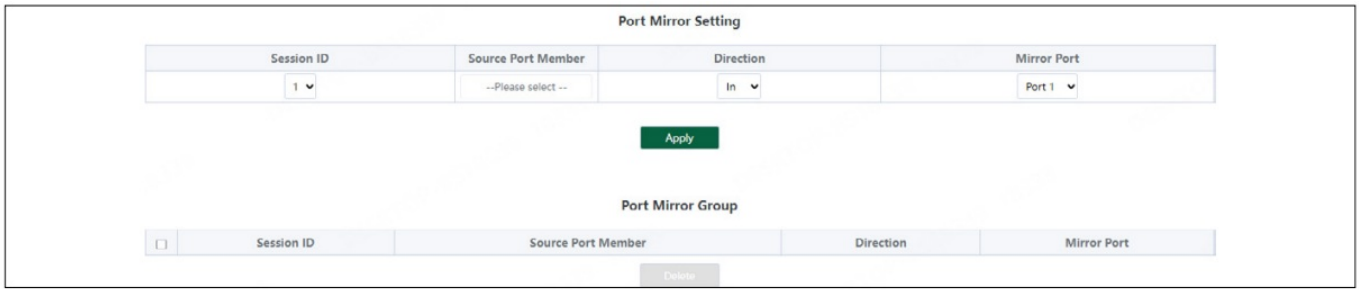
Display part:

Displays the configuration attributes and actual effective attributes of each port of the device.



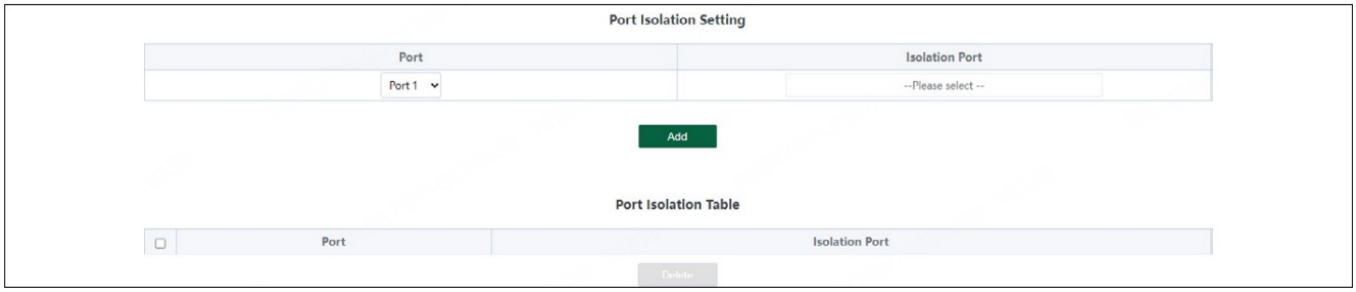
PORT MONITORING

The input/output messages of one or more source image ports are forwarded to the destination image port to monitor the network.



1. Source port and destination port cannot be the same;
2. Another mirror group is using the destination;
3. Supports 4 Session IDs

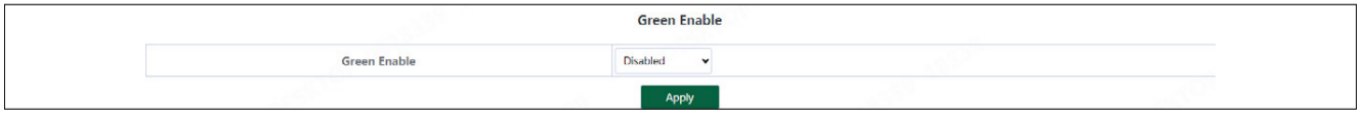
PORT ISOLATION
Configure isolation port group.



JUMBO FRAME
Configure the size of Jumbo Frames that can be forwarded.

1. Jumbo Frames can be configured with 1522, 1536, 1552, 9216 and 10000;
2. The default value of Jumbo Frames is 1522.

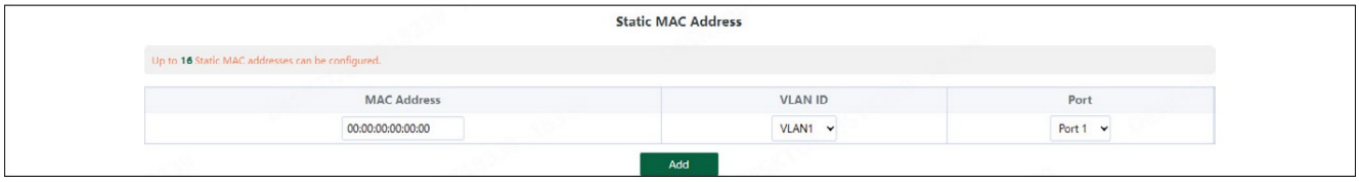
GREEN ENABLE



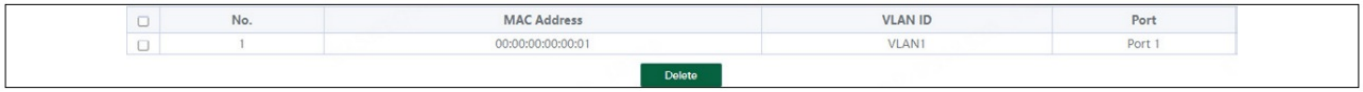
Activate the additional green ethernet options for cable length detection and power management.

STATIC MAC
The static MAC configuration is divided into two parts.

Static MAC add:
Enter the legitimate MAC address, VLAN ID, and select the configured port number. Click “Add” to add static MAC.

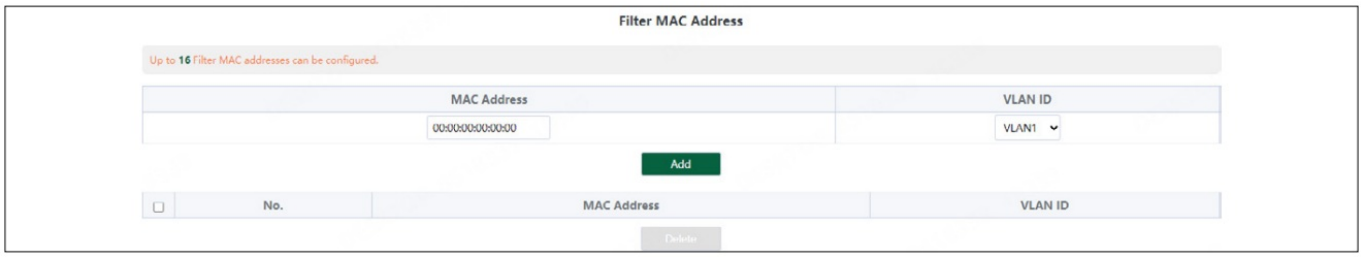


Static MAC deletion and display:
After adding a legal static MAC, the corresponding data will be displayed;Check the static MAC and click”Delete”. After the configuration is successful,the MAC address, VLAN and corresponding port will be unbound.



Static MAC addresses maximum can be configured 16.

FILTER MAC
Configure filtered MAC address

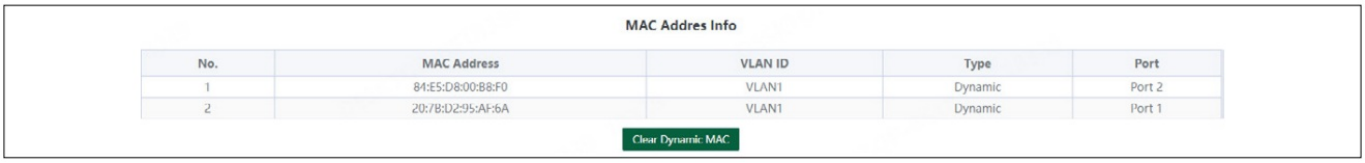


Filter MAC addresses maximum can be configured 16.

SEARCH MAC
Search the MAC table learned by the device (support fuzzy search)

The inquiry waiting process will interrupt the communication with the equipment

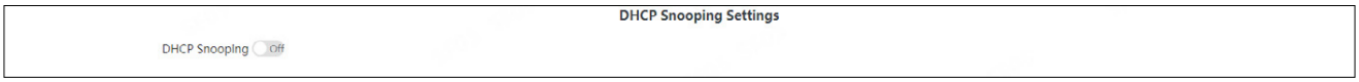
MAC LIST
Displays the list of MAC learned by the device



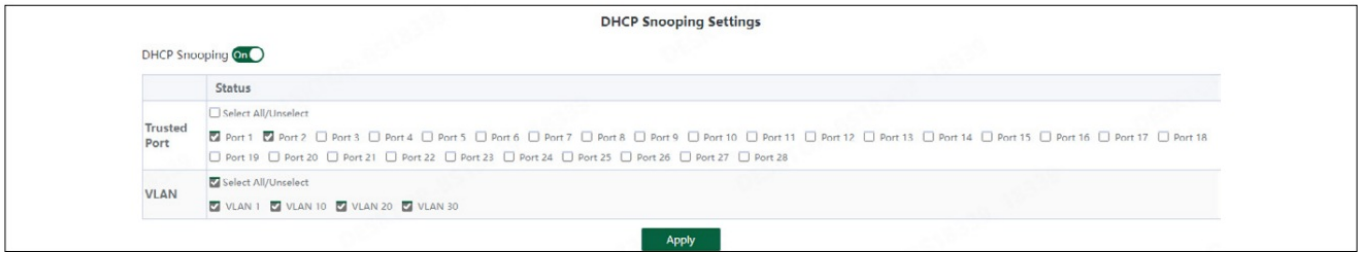
Click “Clear Dynamic MAC” and the device will get the learning MAC list again.

The display waiting process will interrupt communication with the device

DHCP SNOOPING
Configure DHCP Snooping function, which is disabled by default.



When DHCP Snooping is enabled, you can choose to trust ports or not. As shown in the following figure, the device sets the selected ports as trusted ports, and if it is not selected, all ports are untrusted ports; Click “Apply” to set the selected port as a trusted port and complete the configuration of DHCP snooping.



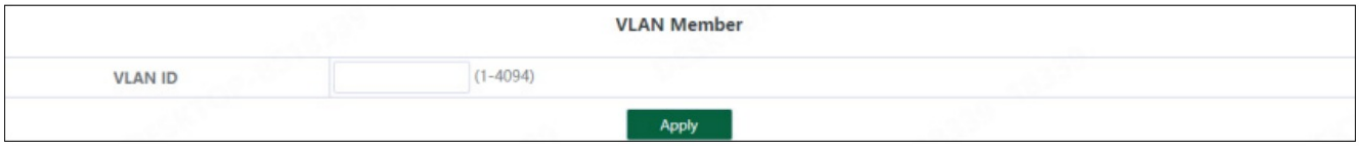
1. Enable DHCP snooping to filter DHCP messages. For the request message from DHCP client, only forward it to the trust port; for the response message from DHCP server, only forward the response message from the trust port.
2. Generally, the DHCP server port (upper connection port) is set as the trust port.

VLAN SETTINGS

The homepage interface displays the basic information of the device.

VLAN MEMBER

Configuration part:
Enter a valid VLAN ID and click “Apply” to configure a new VLAN member;

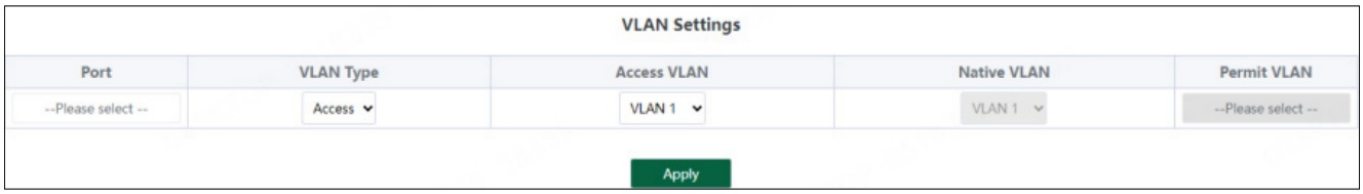


Display part:
Displays the VLAN members newly added by the device, Select VLAN members in the VLAN member list and click ”Delete” to delete VLAN members in batch

1. Configure up to 16 VLAN members;
2. When VLAN ID is bound by port, it cannot be deleted.

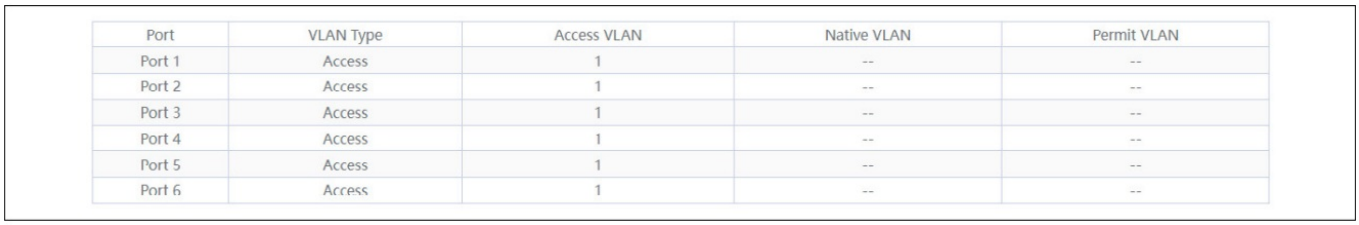
VLAN SETTINGS
Port VLAN configuration is divided into two parts:

Part I: Port VLAN configuration, select port, VLAN type (access and trunk, allow VLAN can be configured under trunk), allow VLAN and native VLAN, and click “Apply” to configure and save port VLAN (Permit VLAN and Native VLAN are selected from the VLAN members configured above);



Part II: Port VLAN list, which displays the VLAN configuration of the device port.

The message under Native VLAN does not have VLAN tag.



Port	VLAN Type	Access VLAN	Native VLAN	Permit VLAN
Port 1	Access	1	--	--
Port 2	Access	1	--	--
Port 3	Access	1	--	--
Port 4	Access	1	--	--
Port 5	Access	1	--	--
Port 6	Access	1	--	--

QOS SETTINGS

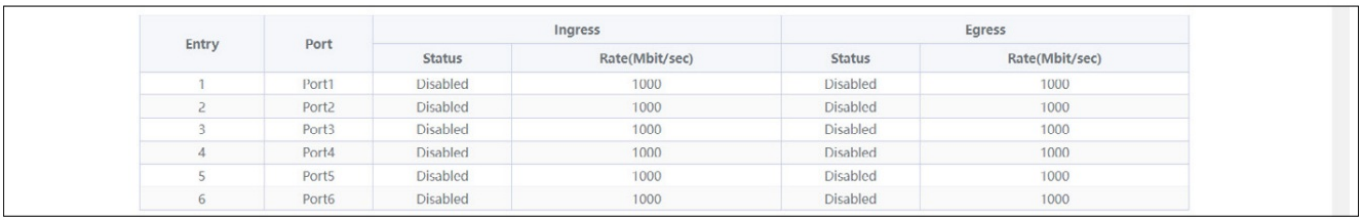
Including port rate limit and storm control functions.

PORT RATE

Configure the port ingress and egress rate, which is divided into two parts:

Configuration part:
Select one or more ports, select the configuration type and whether to enable the port speed limit (enter the value of the port speed limit when it is enabled), and click ”Apply” to configure the port rate.

Display part:
Displays the ingress rate and egress rate of the device port configuration.



Entry	Port	Ingress		Egress	
		Status	Rate(Mbit/sec)	Status	Rate(Mbit/sec)
1	Port1	Disabled	1000	Disabled	1000
2	Port2	Disabled	1000	Disabled	1000
3	Port3	Disabled	1000	Disabled	1000
4	Port4	Disabled	1000	Disabled	1000
5	Port5	Disabled	1000	Disabled	1000
6	Port6	Disabled	1000	Disabled	1000

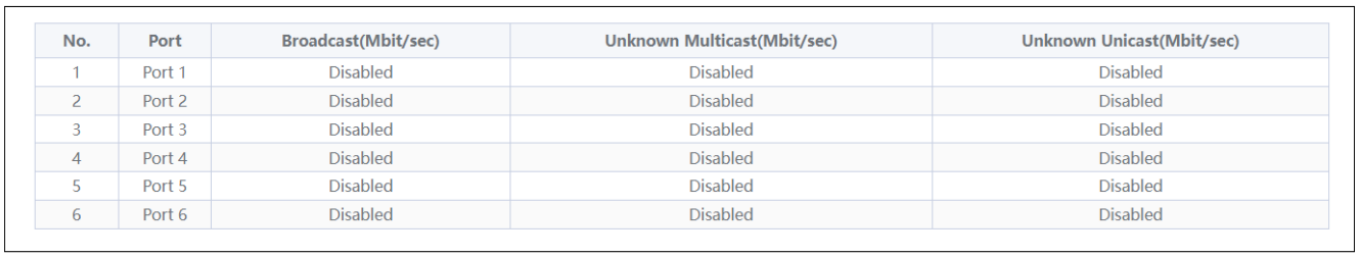
Rate limit range: 1-1000M.

STORM CONTROL

Including port storm control configuration and display:

Configuration part:
Select the configured storm control type, one or more ports and whether to enable storm control (when enabled, enter the rate of storm control configuration), and click “Apply” to configure storm control.

Display part:
Display the storm control type and corresponding rate configured by the device port (display the corresponding control rate when it is turned on).

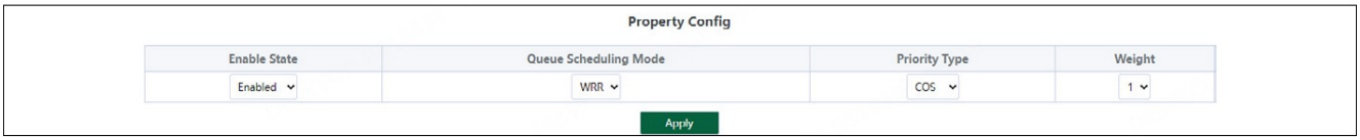


No.	Port	Broadcast(Mbit/sec)	Unknown Multicast(Mbit/sec)	Unknown Unicast(Mbit/sec)
1	Port 1	Disabled	Disabled	Disabled
2	Port 2	Disabled	Disabled	Disabled
3	Port 3	Disabled	Disabled	Disabled
4	Port 4	Disabled	Disabled	Disabled
5	Port 5	Disabled	Disabled	Disabled
6	Port 6	Disabled	Disabled	Disabled

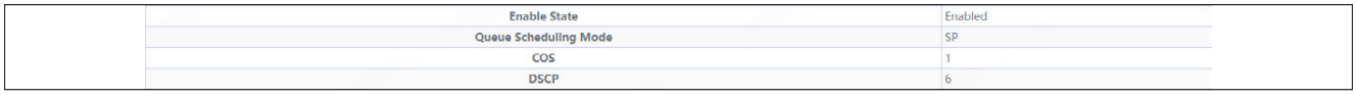
Rate limit range: 1-1000M.

QOS (QUALITY OF SERVICE) PROPERTY
Including QoS Property configuration and display:

Configuration part:
Select the configured Enable State, Queue Scheduling Mode, Priority Type and Weight, and click “Apply” configure QoS Property.



Display part:
Display the Enable State, Queue Scheduling Mode, Weighting of COS (Class of Service) and DSCP (Differentiated Services Code Point)

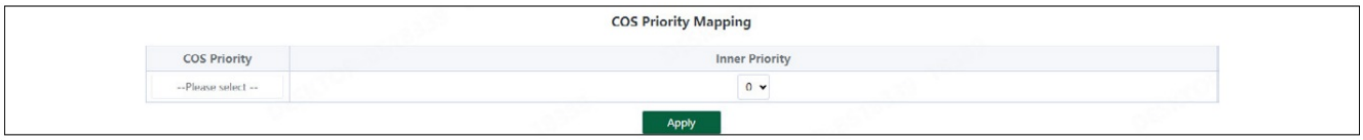


Enable State	Enabled
Queue Scheduling Mode	SP
COS	1
DSCP	6

1. The QoS function is disabled by default;
2. The Queue Scheduling mode supports SP (Strict Priority) and WRR (Weighted Round Robin).
3. The priority type supports COS and DSCP;
4. Priority types with higher weights have higher priorities. When the weights are the same, COS have higher priority.

COS PRIORITY MAPPING
Including configuration and display:

Configuration part:
Select the configured COS Priority and Inner Priority, and click “Apply” configure.



Display part:
Display the COS Priority and Inner Priority.

COS Priority	Inner Priority
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

The default COS priority corresponds to the internal priority 0-7 in turn.

DSCP PRIORITY MAPPING
Including configuration and display:

Configuration part:
Select the configured DSCP Priority Mapping and Inner Priority, and click “Apply” configure.

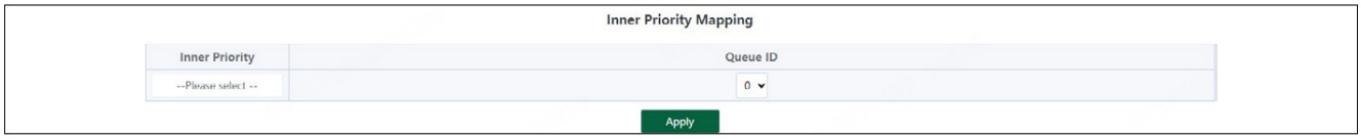
Display part:
Display the DSCP Priority Mapping and Inner Priority.

DSCP Priority	Inner Priority	DSCP Priority	Inner Priority	DSCP Priority	Inner Priority	DSCP Priority	Inner Priority
0	0	16	2	32	4	48	6
1	0	17	2	33	4	49	6
2	0	18	2	34	4	50	6
3	0	19	2	35	4	51	6
4	0	20	2	36	4	52	6
5	0	21	2	37	4	53	6
6	0	22	2	38	4	54	6
7	0	23	2	39	4	55	6
8	1	24	3	40	5	56	7
9	1	25	3	41	5	57	7
10	1	26	3	42	5	58	7
11	1	27	3	43	5	59	7
12	1	28	3	44	5	60	7
13	1	29	3	45	5	61	7
14	1	30	3	46	5	62	7
15	1	31	3	47	5	63	7

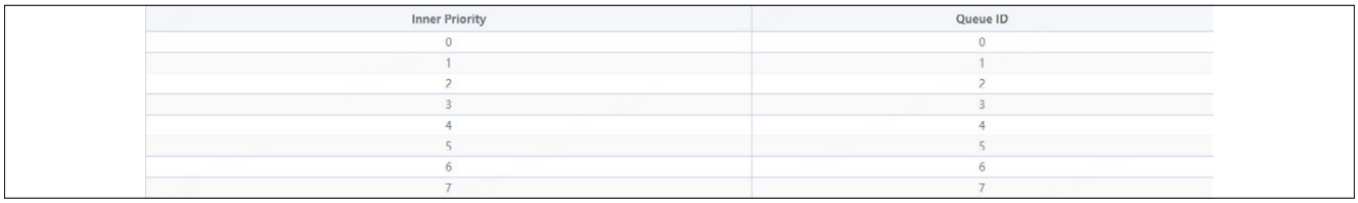
Default DSCP priority 0-7 corresponds to internal priority 0, 8-15 corresponds to internal priority 1, and so on.

INNER PRIORITY MAPPING
Including configuration and display:

Configuration part:
Select the configured Inner Priority and Queue ID, and click “Apply”.



Display part:
Display the Inner Priority and Queue ID.

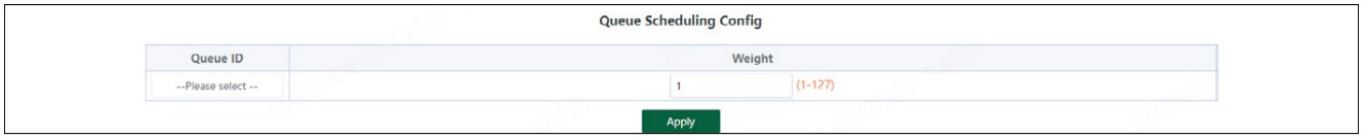


Inner Priority	Queue ID
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

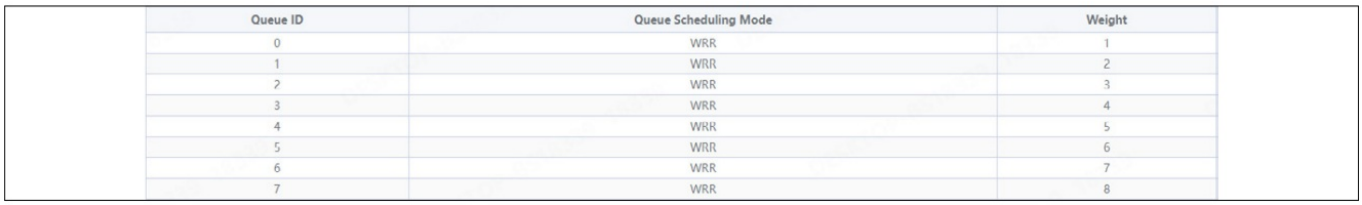
Default internal priority 0-7 corresponds to queue ID 0-7.

QUEUE SCHEDULING
Including configuration and display:

Configuration part:
Select the configured Queue ID and Weight, and click “Apply”.

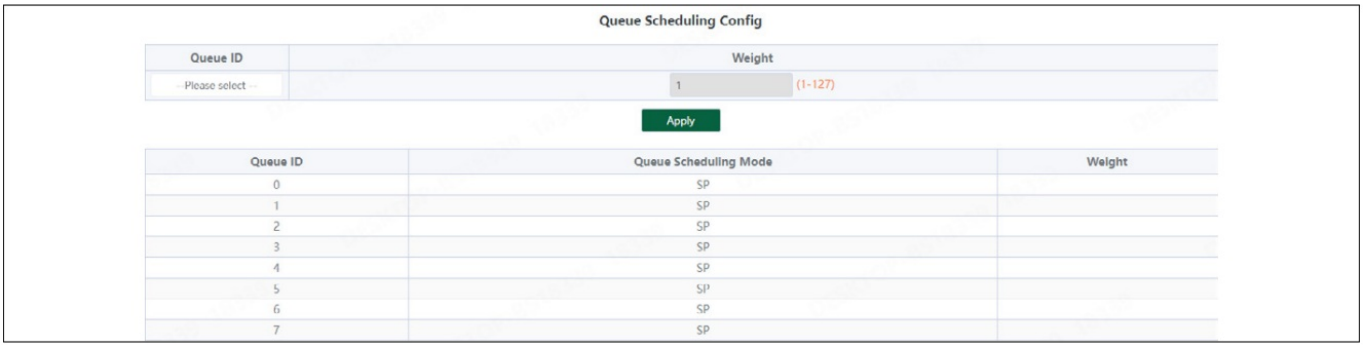


Display part:
Display the Queue ID and Weight



Queue ID	Queue Scheduling Mode	Weight
0	WRR	1
1	WRR	2
2	WRR	3
3	WRR	4
4	WRR	5
5	WRR	6
6	WRR	7
7	WRR	8

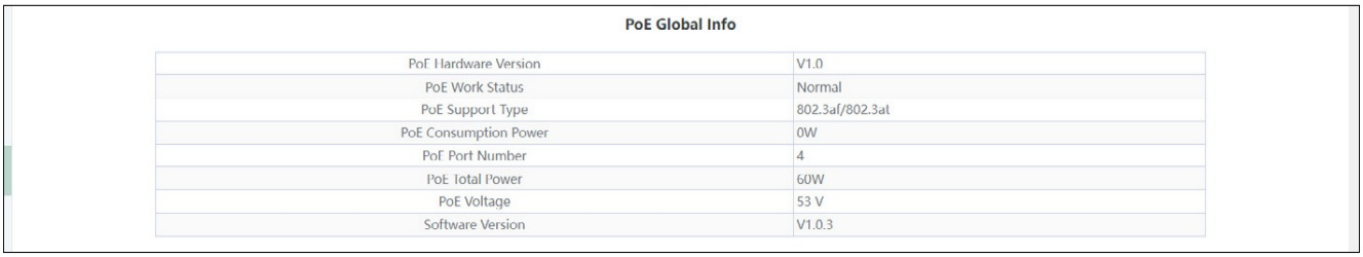
When the queue scheduling mode is SP, the weight cannot be set. The default weight of the eight queues is 1.



When the queue scheduling mode is WRR, 0-7 of the queue ID corresponds to 1-8 of the weight by default.

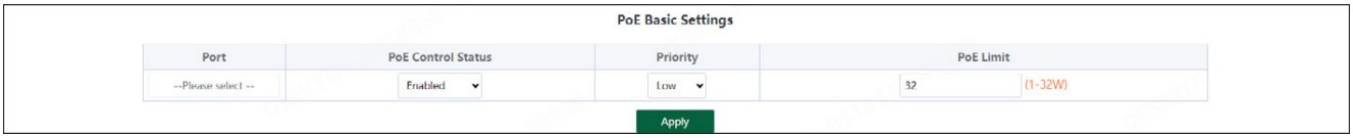
POE SETTINGS

POE GLOBAL INFO
Displays the global information of the device PoE function

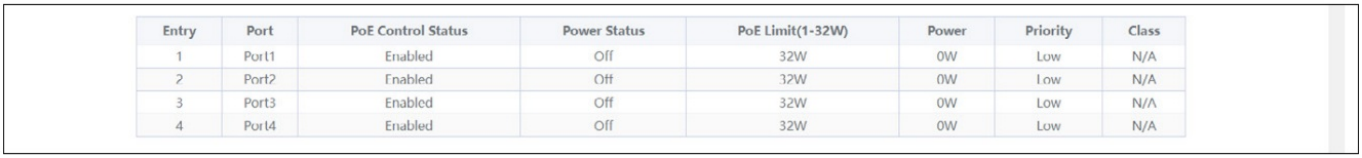


POE BASIC SETTINGS
Including PoE configuration and display:

Configuration part:
Select the PoE power supply status, priority and limited power of the configured port, and click “Apply” to configure PoE.



Display part:
Display the power of port PoE and the current power supply status;

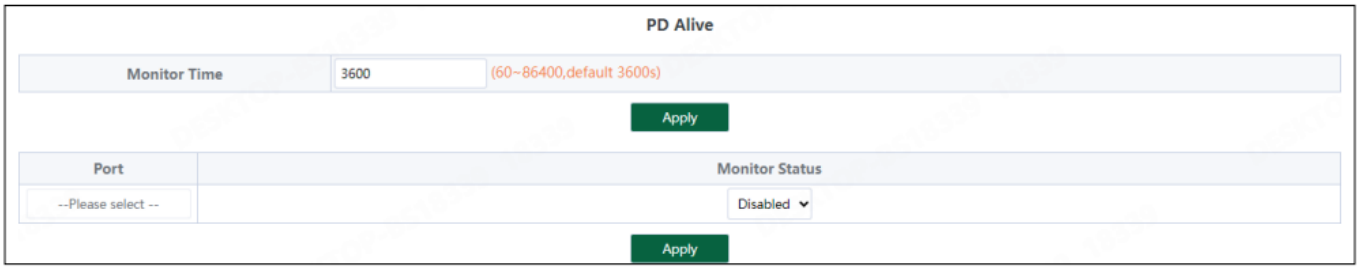


Disable port PoE. Port PoE will not be powered.

PDM (POWERED DEVICE MONITOR) A POE WATCHDOG FEATURE

Includes PDM configuration and display:

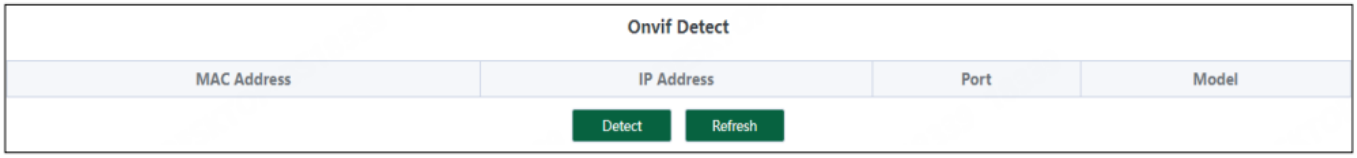
Configuration part:
Configure the detection time of PDM (60-86400s. When no communication is detected on the port, PoE will be restarted automatically). Click “Apply” to configure PDM.



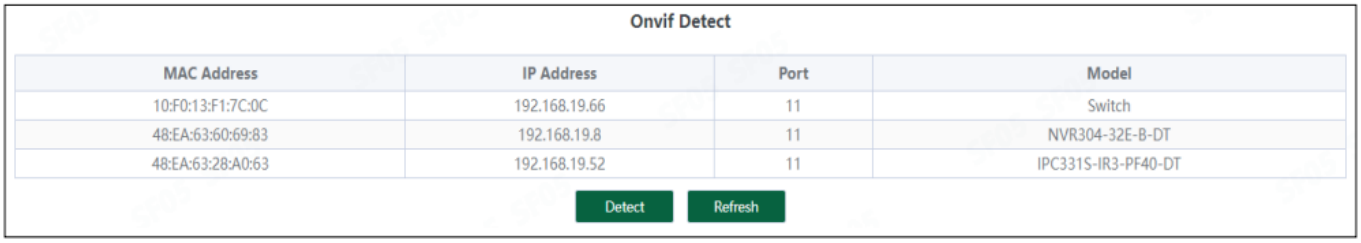
Display part:
Displays the number of restarts of device PDM.

Entry	Port	Monitor Status	Reset Count
1	Port1	Disabled	0
2	Port2	Disabled	0
3	Port3	Disabled	0
4	Port4	Disabled	0

ONVIF (OPEN NETWORK VIDEO INTERFACE FORUM)
Support ONVIF protocol function to discover compatible devices



Click “Detect” to find the device.



TECHNICAL SPECIFICATIONS

HARDWARE SPECIFICATIONS		
Standards and Protocols		IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p, IEEE802.3af, IEEE802.3at
Network Media		10Base-T: UTP category 3, 4, 5 cable (maximum 100 m) 100Base-Tx: UTP category 5, 5e cable (maximum 100 m) 1000Base-T: UTP category 5e, 6 cable (maximum 100 m)
Transfer Method		Store-and-Forward
Switching Capacity		12 Gbps
Packet Forwarding		8.93 Mpps
Packet Buffer		4.1 Mbit
MAC Address Table		8K, Auto-learning, Auto-update
Jumbo Frame		9K Bytes
Number of Ports		6 x 10/100/1000 Mbps ports PoE
PoE Ports(RJ45)		4 x PoE ports compliant with 802.3at/af
Power Pin Assignment		1/2 (+), 3/6 (-)
PoE Budget		60 W
Indicators	Per Port	10/100/1000 Mbps Link/Act: Green PoE: Orange
	Per Device	Power: Orange
Power Supply		AC 100 – 240 V / 50 – 60 Hz internal power
Power Consumption		Maximum: 65 W (220 V / 50 Hz)
Dimensions (W x D x H)		168 x 94 x 32mm (6.61 x 3.7 x 1.26 in.)
Environment		Operating Temperature: 0 – 40°C (32 – 113°F) Storage Temperature: -40 – 70°C (-40 – 158°F) Operating Humidity: 10 – 90% non-condensing Storage humidity: 5 – 90% non-condensing

SOFTWARE SPECIFICATIONS			
Basic	**System Settings**	**Monitoring**	**Switch Settings**

• Login authentication and logout • Bilingual UI: – English – Chinese • Port Indication: – 1000M green – 100M/10M orange-yellow	• Device Info: – Hostname – Device Contact & Location • IP Settings • Static, DHCP Client, DNS • Web Settings: • Timeout • Telnet Settings: • Enable/disable Telnet, Timeout • User Management • Local Upgrade • Device Management • Reboot, Save Configure, Restore	• Port Statistics • Cable Diagnostics • Loop Guard: – RLPP • IGMP Snooping: – Flood/Drop, DIP Mode	• Port Settings: – Status, Speed/Duplex/Flow Control • Port Mirroring – In/Out/All • Port Isolation – Support 1522-10000 Bytes • Jumbo Frame • Green Enable • Static MAC • Filter MAC • Search MAC • MAC List: – Classified display static/dynamic mac address • DHCP Snooping
VLAN Settings	**QOS Settings**	**PoE Settings**	**Cloud Settings**
• VLAN Member • VLAN Settings: – Access – Trunk	• Port Rate • Storm Control • QoS Priority Mapping: – CoS and DSCP priority mapping • QoS Queue Scheduling: – 8 queue, SP and WRR Queue Scheduling	• PoE Basic Settings: – Enable/disable PoE port – Force Power – PoE Port Limit • PD Alive	• Cloud Settings: – MQTT

WASTE ELECTRICAL & ELECTRONIC EQUIPMENT

DISPOSAL OF ELECTRIC AND ELECTRONIC EQUIPMENT
(Applicable In The European Union And Other European Countries With Separate Collection Systems)

This symbol on the product or its packaging means that this product must not be treated as unsorted household waste. In accordance with EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE),this electrical product must be disposed of in accordance with
the user's local regulations for electrical or electronic waste.

Please dispose of this product by returning it to your local point of sale or recycling pickup point in your municipality.

WARRANTY INFORMATION

REGULATORY STATEMENTS

FCC Class A
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of Federal Communications Commission (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: reorient or relocate the receiving antenna; increase the separation between the equipment and the receiver; connect the equipment to an outlet on a circuit different from the receiver; or consult the dealer or an experienced radio/TV technician for help.
CE

This device complies with the requirements of CE 2014/30/EU and/or 2014/35/EU.

The Declaration of Conformity for is available at: **support.intellinet-network.com/barcode/562034**

North America
IC Intracom America 550 Commerce Blvd. Oldsmar, FL 34677 USA

intellinet-network.com

Documents / Resources

	**INTELLINET NETWORK SOLUTIONS 562034 PoE Powered 6 Port Lite Smart Managed PoE Plus Switch** [pdf] User Manual 562034, IPS-6GM02-60W, 562034 PoE Powered 6 Port Lite Smart Managed PoE Plus Switch, 562034, Powered 6 Port Lite Smart Managed PoE Plus Switch, 6 Port Lite Smart Managed PoE Plus Switch, Port Lite Smart Managed PoE Plus Switch, Lite Smart Managed PoE Plus Switch, Smart Managed PoE Plus Switch, Managed PoE Plus Switch, PoE Plus Switch, Plus Switch, Switch

References

- **Intellinet Network Solutions - Provider of PoE & Data Center Products**
- **User Manual**