



L3 Switch

OS6226

WEB Configuration Manual

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一、 Login to the WEB interface

The HTTP function is disabled by default, and it needs to be enabled through commands:

Username(1-64 chars):admin

Password(1-128 chars):*****//The default password is 'admin'.

```
Switch>en
```

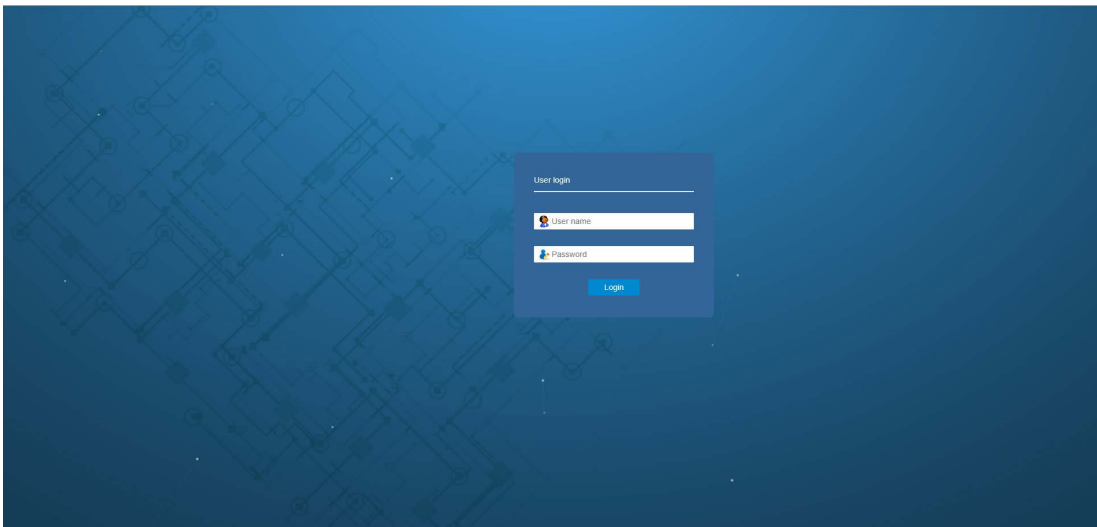
```
Switch# system-view
```

```
Switch(config)#http enable
```

The default management IP of the device is 192.168.1.1. It is recommended to modify the management IP to a non default IP;

Steps to login to the switch from Web:

1. Open a browser;
2. enter http://192.168.1.1 and press the Enter key;
3. in the login page, enter the default user 'admin', the default password 'admin'.







4. Click the "Login" button to enter the web configuration interface.

二、Web Page Layout

The following figure shows the overall effect you will see after entering the web configuration interface:

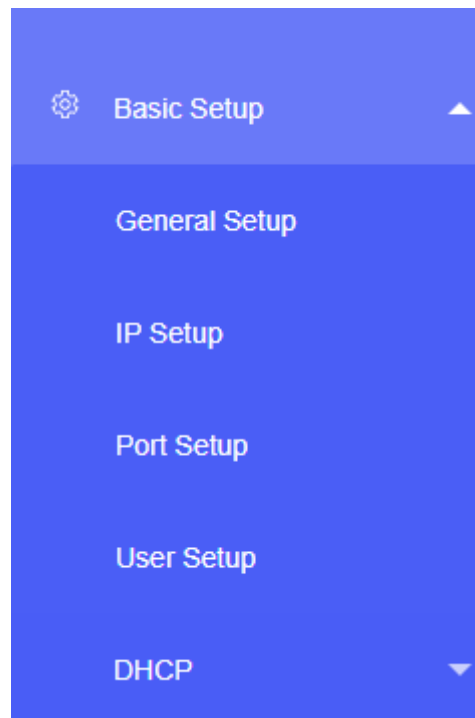
Port	Receive Pkt	Receive Pkt Loss	Receive error	Send Pkt	Send Pkt Loss	Send error	operation
e0/0/1	0	0	0	0	0	0	view
e0/0/2	0	0	0	0	0	0	view
e0/0/3	0	0	0	0	0	0	view
e0/0/4	0	0	0	0	0	0	view
e0/0/5	0	0	0	0	0	0	view
e0/0/6	0	0	0	0	0	0	view
e0/0/7	0	0	0	0	0	0	view
e0/0/8	0	0	0	0	0	0	view

- 1、 Enter the "Home" page to view the device status information and port information.
- 2、 Click the  icon on the left of "Home" to hide/show the left menu tree.
- 3、 Click the  icon to set the bottom color of the page (blue, black, purple).
- 4、 Mouse hover over the  button in the upper right corner to save, status and logout settings.
 - ① Save: The configuration of the device by this login user will be saved;
 - ② Status: return to the home page;
 - ③ Logout: will exit to the login interface.
- 5、 Click the "Refresh" button to update the port statistics.
- 6、 Click the  icon to filter the port statistics.
- 7、 Click the "View" button in the "Operation" column to view more detailed information of the port.

三、Web Configuration Guide

3.1 Basic Setup

Expand this setting item, you can do general Setup、 IP Setup、 Port Setup、 User Setup and DHCP related settings.



3.1.1 General Setup

Click "Basic Setup">"General Setup" to enter the "General Setup" configuration page.

Home / Basic / General Setup

Home x General Setup x

Refresh Apply

system description	<input type="text" value="Switch"/>	system object id	<input type="text" value="1.3.6.1.4.1.54367.1.3.32.4"/>
number of system ports	<input type="text" value="54"/>	system up time	<input type="text" value="02 hour 15 minute 57 second 39"/>
system name	<input type="text"/>	system location	<input type="text" value="sample sysLocation factory defa"/>
system contact	<input type="text" value="http://"/>	product name	<input type="text" value="FR-S5154GT-P"/>

System name: sets the system name;

system location: sets the system location;

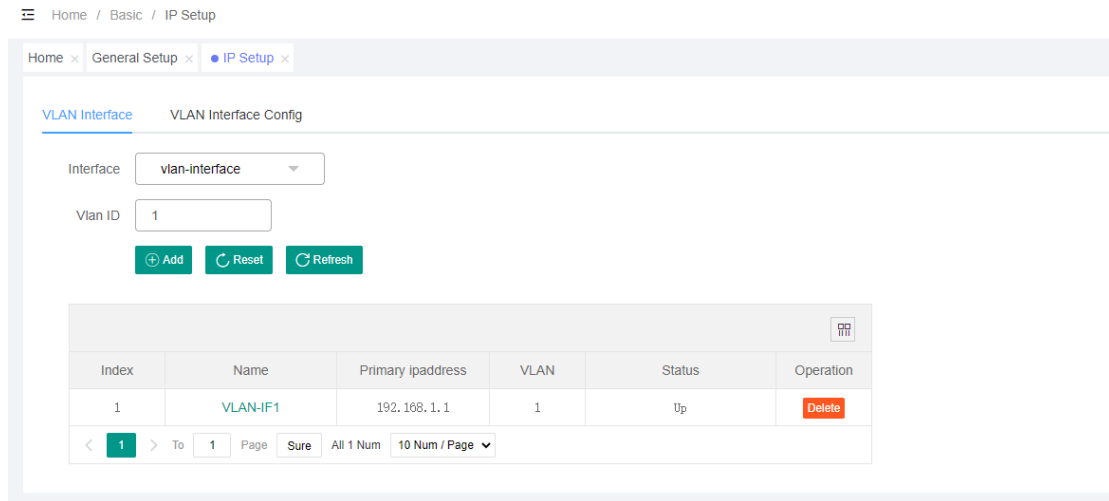
System contact: set the system contact;

After the above settings, click "Apply" button to apply the configuration.

Click the "Refresh" button to update the display information.

3.1.2 IP Setup

Click "Basic Setup">"IP Setup" to enter the "IP Setup" configuration page, you can add VLAN interfaces and configure VLAN interfaces.



1. VLAN interface

Interface: set the interface type, supporting vlan interface, supervlan interface;

Vlan ID: set the interface ID;

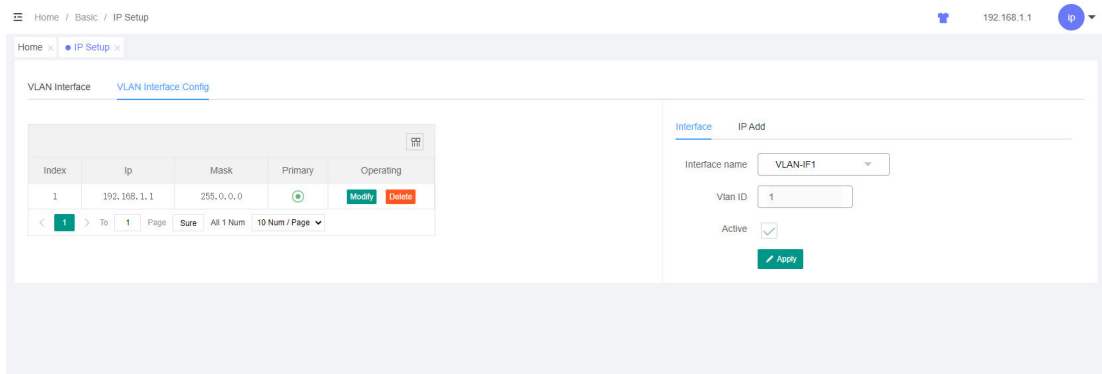
After the above settings, click the "Add" button commit the configuration.

Click the "Refresh" button to update the display information.

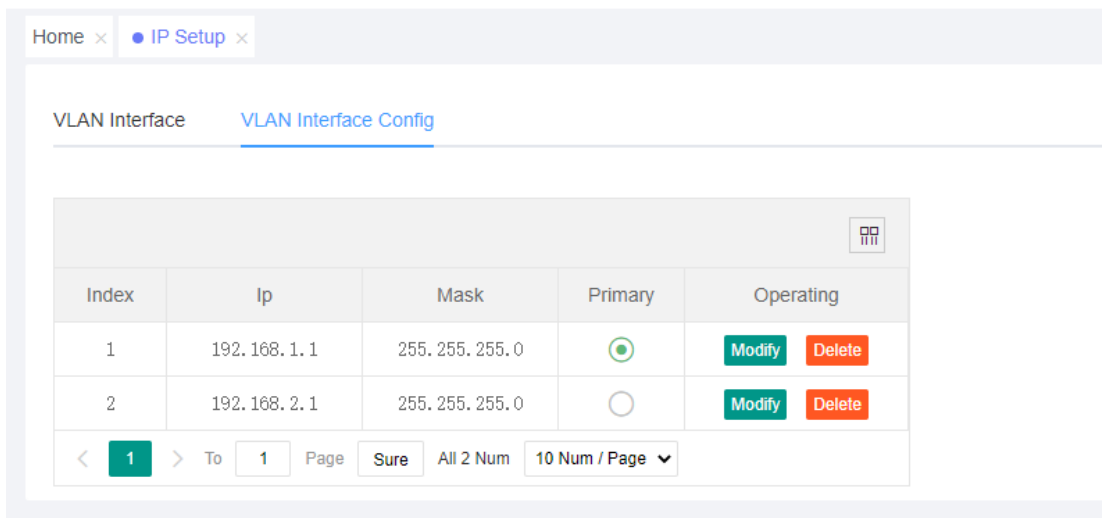
Click the "Delete" button in the "Operation" column to delete the configuration.

2. VLAN Interface Configuration

This page supports the following operations: modify master and slave IPs, delete IPs, activate interfaces, and configure IP addresses;



1) Modify IP Address



Setting the primary IP address:

In the "Ip" column, click on the button in the row where the IP address is located, then in the "Operating" column, click on the "Modify" button to change the main IP address.

To delete an IP address:

Click on the "Delete" button in the "Operating" column in the row where the IP address is located to delete the configured IP address.

2) Activating the interface

The screenshot shows a configuration interface with two tabs: 'Interface' and 'IP Add'. The 'IP Add' tab is active. Below the tabs, there are three fields: 'Interface name' with a dropdown menu showing 'VLAN-IF1', 'Vlan ID' with a text input field containing '1', and 'Active' with a checked checkbox. At the bottom of these fields is a green button with a pencil icon and the text 'Apply'.

Interface name: Select the interface need to configuring. You also need to select the interface here when adding the IP address of the interface in "IP Add";

Vlan ID: sets the sub-vlan, this is not available for normal Vlan ports;

Active: set whether to activate or not;

After the above configuration, click on the "Apply" button to commit the configuration.

3) IP Add

The screenshot shows a configuration interface with two tabs: 'Interface' and 'IP Add'. The 'IP Add' tab is active. Below the tabs, there are two input fields: 'Ip Address' and 'Mask'. At the bottom of these fields are two green buttons: '+ Add' and 'Override'.

Ip Address: Set IP address;

Mask: Set the subnet mask;

After the above configuration, click on the "Add" button to commit the configuration of the new IP address.

After the above configuration, click on the "Override" button to commit the configuration to override the original IP address.


3.1.3 Port Setup

Click "Basic Setup">"Port Setup" to enter the "Port Setup" configuration page.

Home / Basic / Port Setup 192.168.1.1

Home x IP Setup x **Port Setup** x

Apply **Reset**



Port: Status: Link: Priority:

Set speed: Actual speed: Port description(0-128bit):

Port	Status	Link	Priority	Set speed	Actual speed	Port description
e0/0/1	enabled	up	0	auto	full-1000	
e0/0/2	enabled	down	0	auto	unknown	
e0/0/3	enabled	down	0	auto	unknown	
e0/0/4	enabled	down	0	auto	unknown	
e0/0/5	enabled	down	0	auto	unknown	
e0/0/6	enabled	down	0	auto	unknown	
e0/0/7	enabled	down	0	auto	unknown	
e0/0/8	enabled	down	0	auto	unknown	

1.Port Setup

Home / Basic / Port Setup

Home x IP Setup x **Port Setup** x

Apply **Reset**



Port: Status: Link: Priority:

Set speed: Actual speed: Port description(0-128bit):

Port: selects the port in the port list;

Status: sets the port status;

Priority: sets the priority of the port;

Set speed: sets the speed;

Actual speed: sets the port description;

After the above settings, click the "Apply" button to commit the configuration.

2.Display port information

Port	Status	Link	Priority	Set speed	Actual speed	Port description
e0/0/1	enabled	up	0	auto	full-1000	
e0/0/2	enabled	down	0	auto	unknown	
e0/0/3	enabled	down	0	auto	unknown	
e0/0/4	enabled	down	0	auto	unknown	
e0/0/5	enabled	down	0	auto	unknown	
e0/0/6	enabled	down	0	auto	unknown	
e0/0/7	enabled	down	0	auto	unknown	
e0/0/8	enabled	down	0	auto	unknown	
e0/0/9	enabled	down	0	auto	unknown	
e0/0/10	enabled	down	0	auto	unknown	

3.1.4 User setup

Click on "Basic Setup">"User Setup" to enter the "User Setup" configuration page.

Home / Basic / User Setup

Home x User Setup x

Apply **Refresh**

Change Password:

User Name:

Old Password:

New Password: (1-32 characters)

Retype to confirm:

Add **Refresh**

New users:

User Name: (1-64 characters)

Password: (1-32 characters)

Retype to confirm:

Privilege:

Terminal Type: Console Telnet SSH Web

Refresh

user name	Privilege	Terminal
-----------	-----------	----------

1.Change Password

Apply **Refresh**

Change Password:

User Name:

Old Password:

New Password: (1-32 characters)

Retype to confirm:

User Name: select the user for the operation;
Old Password: enter the original password;
New Password: enter the modified password;
Retype to confirm: enter the new password again;
After the above configuration, click the "Apply" button to commit the configuration.

2.New users

+ Add Refresh

New users:

User Name: (1-64 characters)

Password: (1-32 characters)

Retype to confirm:

Privilege:

Terminal Type: Console Telnet SSH Web

User Name: sets the user name, maximum length 64 characters;
 Password: set the user password, maximum length 32 characters;
 Retype to confirm: re-enter the user password;
 Privilege: sets the user level;
 Terminal Type: set the terminal that the user is allowed to operate;
 After the above configuration, click the "Add" button to commit the configuration.

3.Display user information

user name	Privilege	Terminal	Operation
admin	admin	CTSW	
test	normal	CTSW	Modify Delete

Refresh

< 1 > To 1 Page Sure All 2 Num 10 Num / Page

Click on the "Refresh" button to update the information displayed;
 Click on the "Delete" button in the "Operation" column to delete the user information;
 Click on the "Modify" button in the "Operation" column to access the "Modify user" screen;

Modify user ✕

Apply Refresh

User Name:

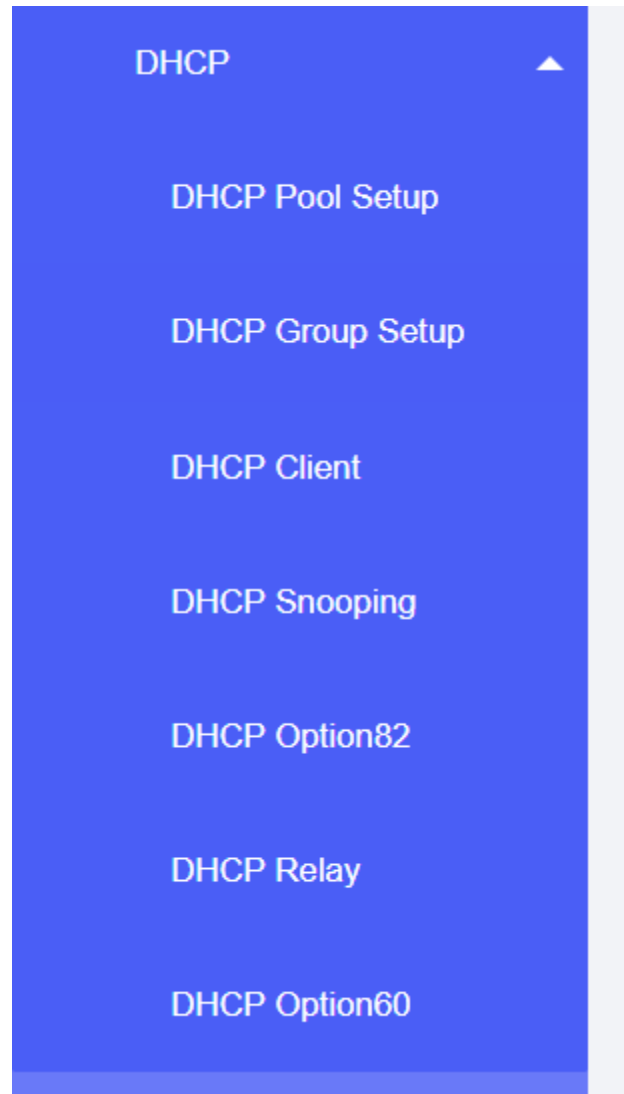
Password: (1-32 characters)

Encrypt password:

Terminal Type: Console Telnet SSH Web

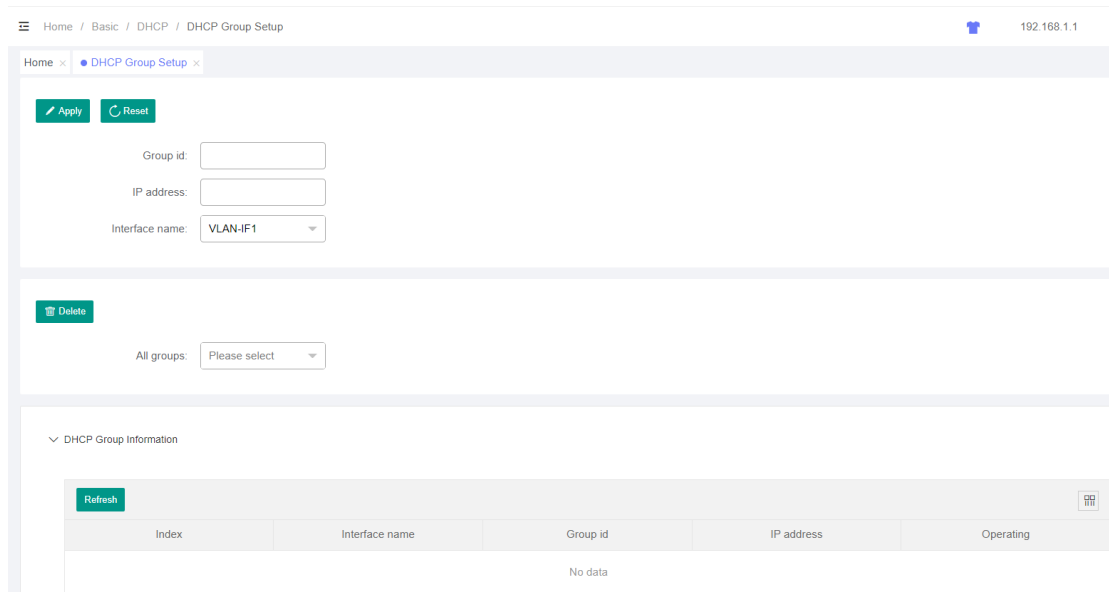
3.1.5 DHCP

Click "Basic Setup">"DHCP" to expand this setting, you can configure DHCP Pool Setup, DHCP Group Setup, DHCP Client, DHCP Snooping, DHCP Option82, DHCP Relay, DHCP Option60 function configuration .

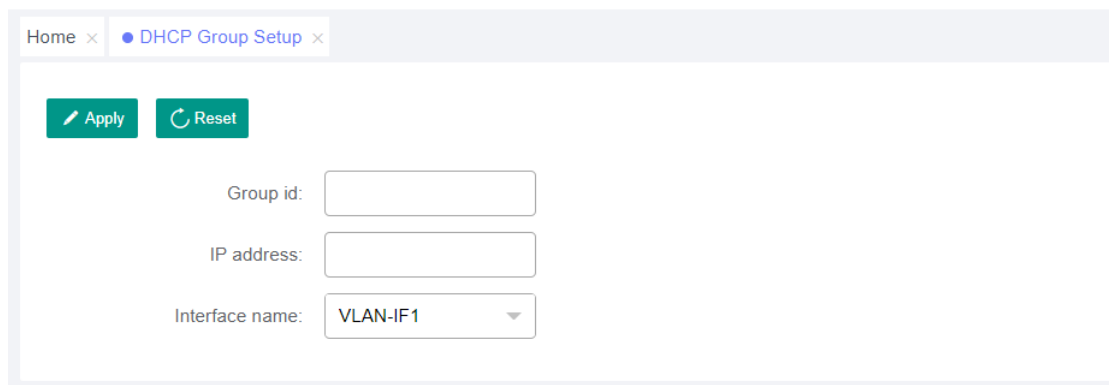


DHCP Group Setup

Click "Basic Setup">"DHCP">"DHCP Group Setup" to enter the "DHCP Group Setup" configuration page.



1. Create a DHCP group and apply it on the interface



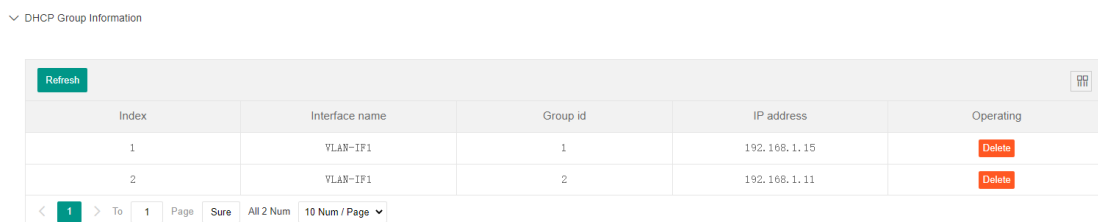
Group id: set the DHCP sever ID.

IP address: set DHCP group IP address;

Interface name: set the interface of the application;

After the above settings, click the "Apply" button to commit the configuration.

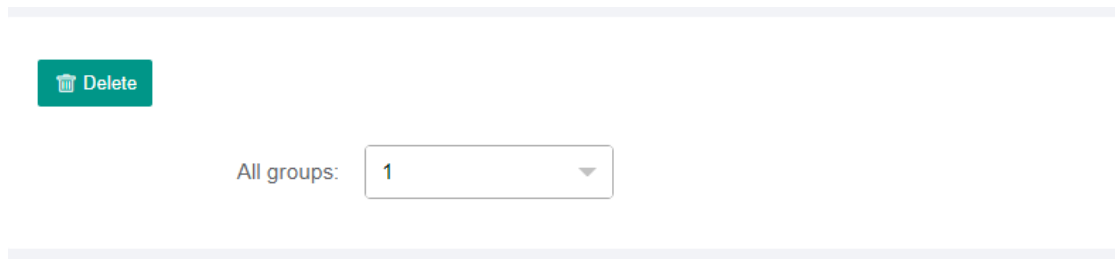
2. Delete the DHCP group bound to the interface.



In the "Operating" column of "DHCP Group Information", click on the "Delete" button to commit the configuration.

Click on the "Refresh" button to update the displayed information.

3.Delete DHCP group



All groups: select the group number.

After the above settings, click on the "Delete" button to commit the configuration.

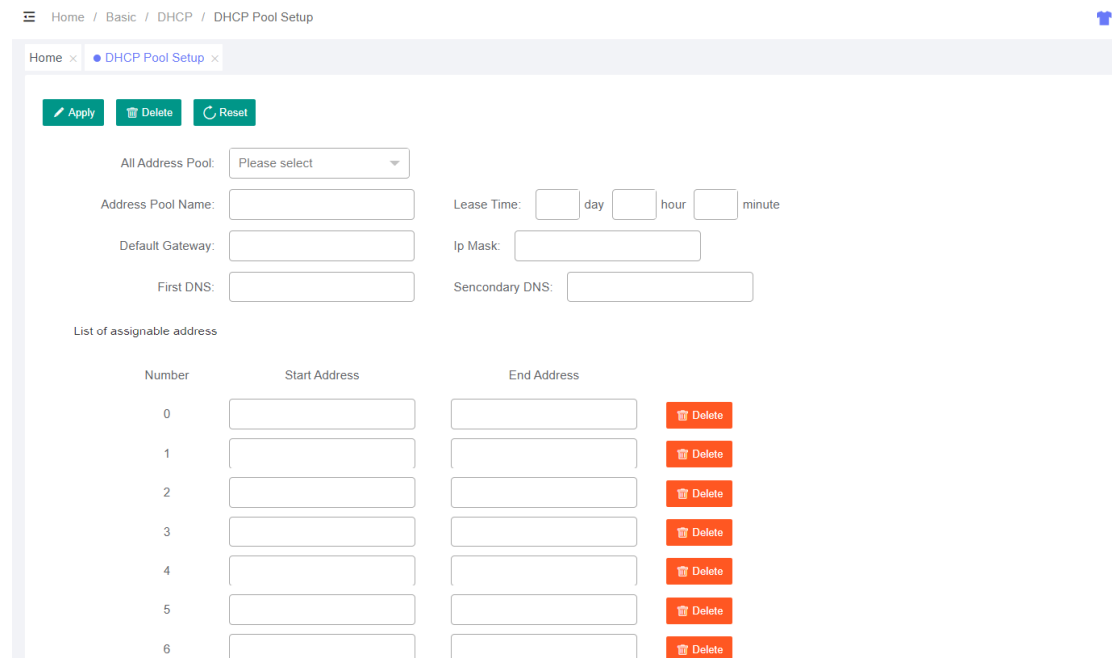
4.Display the IP address information obtained by the client.

Address Information DHCP Client Got

Index	MAC Address	Port	Vlan	Client IP	Bind Flag
No data					

DHCP Pool Setup

Click "Basic Setup">"DHCP">"DHCP Pool Setup" to enter the "DHCP Pool Setup" configuration page.



All Address Pool: selects the address pool group number;

Address Pool Name: sets the pool name;

Lease Time: sets the lease period;

Default Gateway: sets the gateway assigned to the client;

Ip Mask: sets the mask;

First DNS: sets the primary DNS; Secondary DNS: sets the backup DNS

Secondary DNS: sets the backup DNS;

You can assign address lists and set address ranges, up to 8 address ranges can be set for a pool.

After the above settings, click on the "Apply" button to commit the configuration.

Click on the "Delete" button next to the "Apply" button to delete the pool.

Click on the "Delete" button in the "Number" row to delete the address range for that number.

DHCP Client

Click "Basic Setup">"DHCP">"DHCP Client" to enter the "DHCP Client " configuration page.

Home / Basic / DHCP / DHCP Client

192.168.1.1 ip

Home x DHCP Client x

Apply

Dhcp Client Bind Enable Disable

Unbind Assign Enable Disable

Apply Reset

IP Address

MAC Address : : : :

VLAN < 1-4094 >

Delete all Refresh

Index	IpAddress	MacAddress	VLAN	Operating
No data				

1.Enable the binding function

Apply

Dhcp Client Bind Enable Disable

Unbind Assign Enable Disable

DHCP Client Bind: set to enable or disable the bind function;

Unbind Assign: Set to enable or disable IP assignment to unbound clients;

After the above settings, click "Apply" button to commit the configuration.

2. Configure binding client table entries

The screenshot shows a configuration interface with three input fields: "IP Address" (a single text box), "MAC Address" (six individual text boxes separated by colons), and "VLAN" (a text box with a range indicator "< 1-4094 >"). Above the fields are "Apply" and "Reset" buttons.

IP Address: Configure the user's IP address;

MAC Address: Configure the user's MAC address;

VLAN: Configure the VLAN ID;

After the above settings, click the "Apply" button to commit the configuration.

3. Binding client table entry display

The screenshot shows a table with the following data:

Index	IpAddress	MacAddress	VLAN	Operating
1	192.168.1.101	00:11:22:33:44:55	1	Delete

Below the table is a pagination control showing "1" of "1" pages, "All 1 Num", and "10 Num / Page".

Click on the "Delete" button in the "Operating" column to delete the information;

Click the "Delete all" button to delete all client binding configuration information;

Click the "Refresh" button to update the displayed information.

DHCP Snooping

Click "Basic Setup">"DHCP">"DHCP Snooping" to enter the "DHCP snooping" configuration page.

The screenshot shows the DHCP Snooping configuration page with the following settings:

- Mode: Global Mode
- Dhcp Snooping: Enable Disable
- Fast Remove: Enable Disable
- Dhcp Server: [Empty text box]

Below the settings are two tables, both with a "Refresh" button above them:

Index	Ip Address	Operating
No data		

Index	Ip Address	MAC Address	VLAN	Port	leaseSecs	leaseSecsMore
No data						

1. DHCP Snooping Configuration

Home x DHCP Client x DHCP Snooping x

Apply Reset

Mode Global Mode

Dhcp Snooping Enable Disable

Fast Remove Enable Disable

Dhcp Server

Global mode configuration

Select "Global Mode" in "Mode" and configure the following parameters:

Mode: Global Mode;

Dhcp Snooping: Select Enable or Disable;

Fast Remove: Select Enable or Disable;

Dhcp Server: Set the address of DHCP server;

After the above settings, click "Apply" button to commit the configuration.

VLAN mode configuration

Home / Basic / DHCP / DHCP Snooping 192.168.1.1 ip

Home x DHCP Snooping x

Apply Reset

Mode Vlan Mode

Dhcp Snooping Enable Disable

Trust Mode Enable Disable

Vlan Id

Max Learn Num Default

Refresh

Vlan	Dhcp Snooping	Trust Mode	Max-learn-num
1	enable	trust	2048

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Select "VLAN Mode" in "Mode" and configure the following parameters:

Mode: VLAN Mode;

DHCP Snooping: Select Enable or Disable;

Trust mode: Select on or off;

Vlan Id: Set the Vlan ID;

Max Learn Num: Set the maximum learning number;

After the above settings, click "Apply" button to commit the configuration.

Port mode configuration

Home / Basic / DHCP / DHCP Snooping

192.168.1.1 ip

Home x DHCP Snooping x

Apply Reset

Mode: Port Mode

Dhcp Snooping Trust: Enable Disable

Max Learn Num: Default

Select all Cancel

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

Refresh

Port	Trust Mode	Max-learn-num
e0/0/1	untrust	2048

Select "Port Mode" in "Mode" and configure the following parameters:

Mode: Set the Port Mode;

DHCP Snooping Trust: Select Enable or Disable;

Max Learn Num: Set the maximum learning number;

Port List: Select the port;

After the above settings, click "Apply" button to commit the configuration.

2. Display client information

Refresh

Vlan	Dhcp Snooping	Trust Mode	Max-learn-num
1	enable	trust	2048

< 1 > To 1 Page Sure All 1 Num 10 Num / Page

Click the "Refresh" button to update the information.

DHCP Option82

Click "Basic Setup">"DHCP">"DHCP Option82 " to enter the "DHCP Option82" configuration page.

1. DHCP Option82 Configuration

Global Mode Configuration

Home / Basic / DHCP / DHCP Option82

192.168.1.1 ip

Home x DHCP Relay x DHCP Option82 x

Apply Reset

Mode: Global Mode

Dhcp Option82: Enable Disable

Device ID: Enable Disable

Format: Normal(default)

Information Format: hex(default)

Refresh

Dhcp Option82	Device ID	Format	Information Format	Node Identifier
disable	disable	Normal	HEX	use-switch-mac

< 1 > To 1 Page Sure All 1 Num 10 Num / Page

Select "Global Mode" in "Mode" and configure the following parameters:

Mode: Global mode;

DHCP Option82: Select Enable or Disable;

Device ID: Select Enable or Disable;

Format: Set the protocol standard;

Information format: Set the message format;

After the above settings, click "Apply" button to commit the configuration.

VLAN Mode Configuration

Home / Basic / DHCP / DHCP Option82

192.168.1.1 ip

Home x DHCP Relay x DHCP Option82 x

Apply Reset

Mode: Vlan Mode

Vlan ID:

Dhcp Option82: Enable Disable

Circuit ID: Delete

Remote ID: Delete

Strategy: Replace(default)

Select "VLAN Mode" in "Mode" and configure the following parameters:

Mode: VLAN Mode;

Vlan ID: Set the VLAN ID;

Dhcp Option82: Choose to Enable or Disable;

Circuit ID: Configure the circuit ID;
 Remote ID: Configure the remote ID;
 Policy: Select a policy;
 After the above settings, click "Apply" button to commit the configuration.

Port Mode Configuration

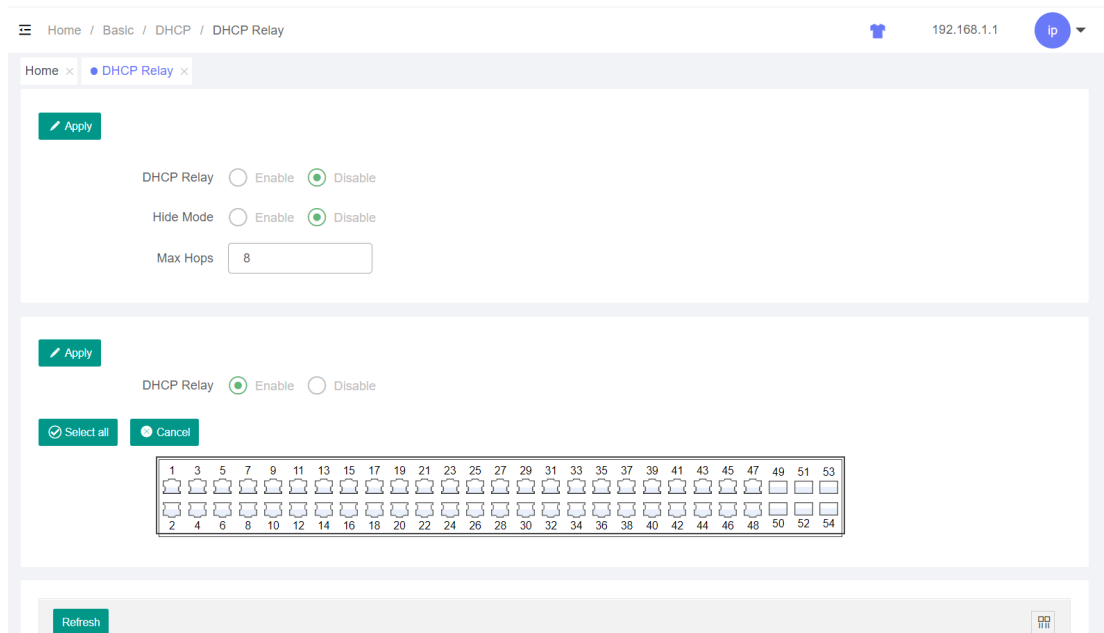
Select "Port Mode" in "Mode" and configure the following parameters:
 Mode: Port Mode;
 Dhcp Option82: Choose to enable or disable;
 Circuit ID: Configure the circuit ID;
 Remote ID: Configure the remote ID;
 Policy: Select a policy;
 Port List: Select the port;
 Click the "Select All" button to select all ports;
 Click the "Cancel" button to cancel the selection of ports;
 After the above settings, click "Apply" button to commit the configuration.

2.Display Information

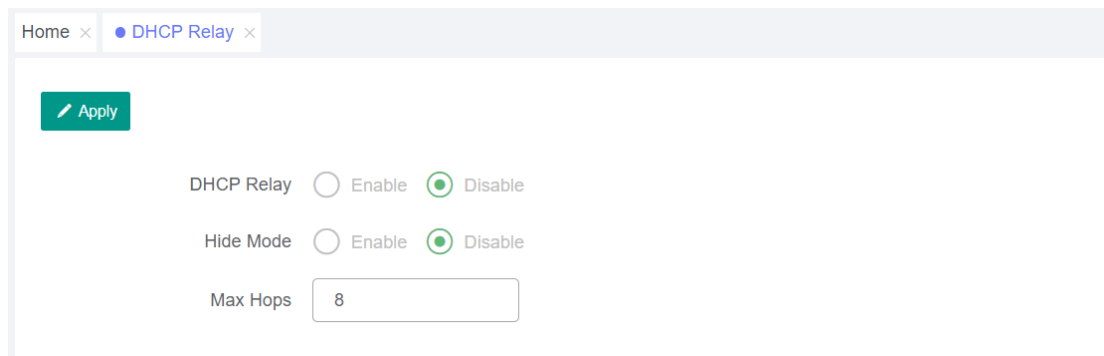
Port	Dhcp Option82	Strategy	Circuit ID	Remote ID
e0/0/1	Enable	Replace	NULL	NULL
e0/0/2	Enable	Replace	NULL	NULL
e0/0/3	Enable	Replace	NULL	NULL

DHCP Relay

Click "Basic Setup">"DHCP">"DHCP Delay" to enter the "DHCP Delay" configuration page.



1. Configure global parameters



DHCP relay: Configure to enable or disable the DHCP Relay function;

Hide Mode: Configure to enable or disable the hide function;

Max Hops: Configure the maximum number of hops for the relay;

After the above settings, click "Apply" button to commit the configuration.

2. Port Configuration

Apply

DHCP Relay Enable Disable

Select all

Cancel

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54

DHCP Relay: Select enable or disable the function;
Click the "Select All" button to select all ports;
Click the "Cancel" button to deselect the ports;
After the above configuration, click "Apply" button to commit the configuration.

3. Display Information

Refresh

Port	DHCP Relay
e0/0/1	enable
e0/0/2	enable
e0/0/3	enable
e0/0/4	enable

Click the "Refresh" button to update the information.

DHCP Option60

Click "Basic Setup">"DHCP">"DHCP Option60" to enter the "DHCP Option60" configuration page.

Home / Basic / DHCP / DHCP Option60 192.168.1.1 ip

Home x DHCP Option60 x

Apply Reset

Interface Name: VLAN-IF1
Action: equals
Matching Form: ascii
Gateway Address:
Server: Please select
Server Reply: Please select

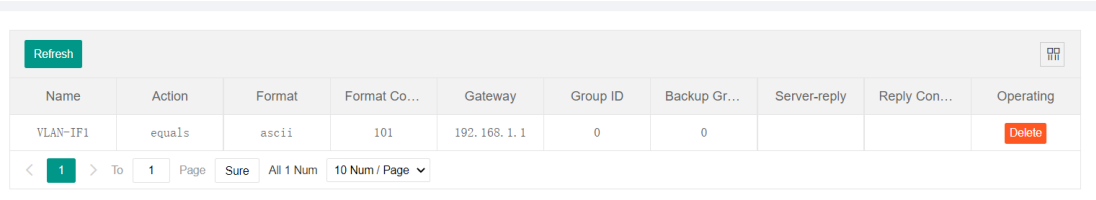
Refresh

Name	Action	Format	Format Co...	Gateway	Group ID	Backup Gr...	Server-reply	Reply Con...	Operating
No data									

1. Configure DHCP Option60

Interface Name: Select the interface to be configured;
 Action: Select the matching mode;
 Matching form: Select the matching form;
 Gateway Address: Gateway IP address;
 Server: Select the server;
 Server answer: Select server answer;
 After the above settings, click "Apply" button to commit the configuration.

2.Information Display



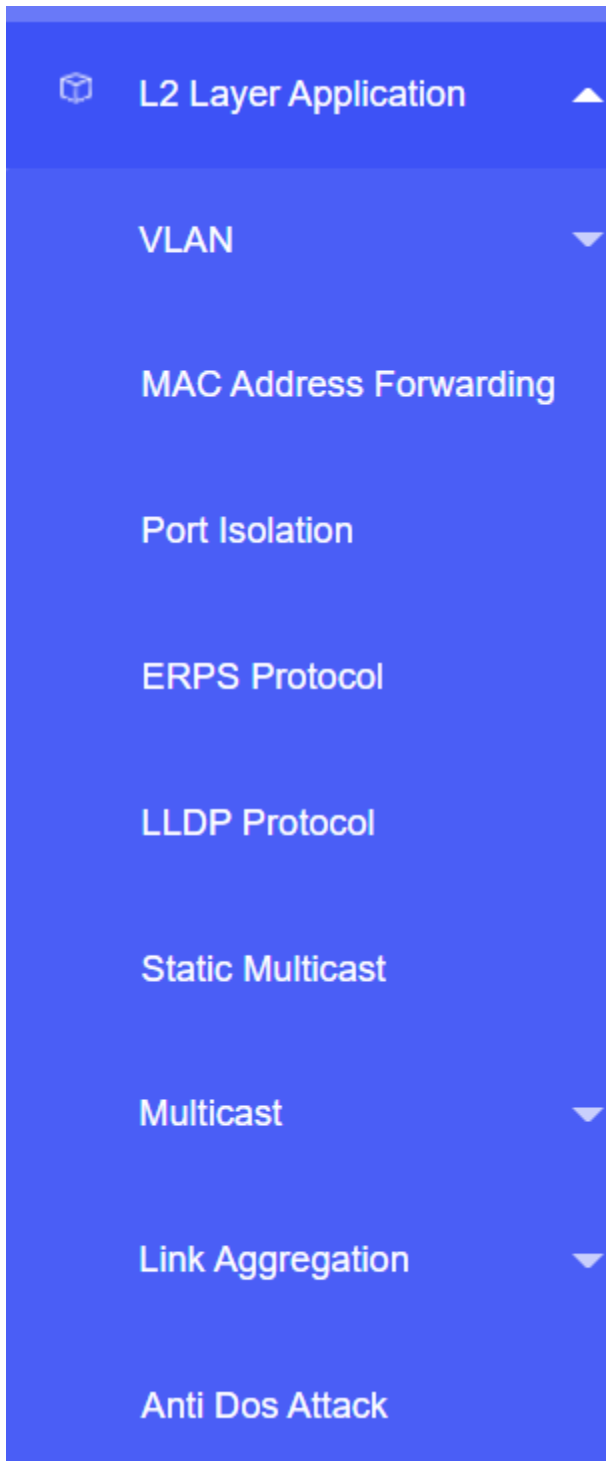
Name	Action	Format	Format Co...	Gateway	Group ID	Backup Gr...	Server-reply	Reply Con...	Operating
VLAN-IF1	equals	ascii	101	192.168.1.1	0	0			Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Click the "Refresh" button to update the display information.
 Click the "Delete" button in the "Operating" column to delete the configuration.

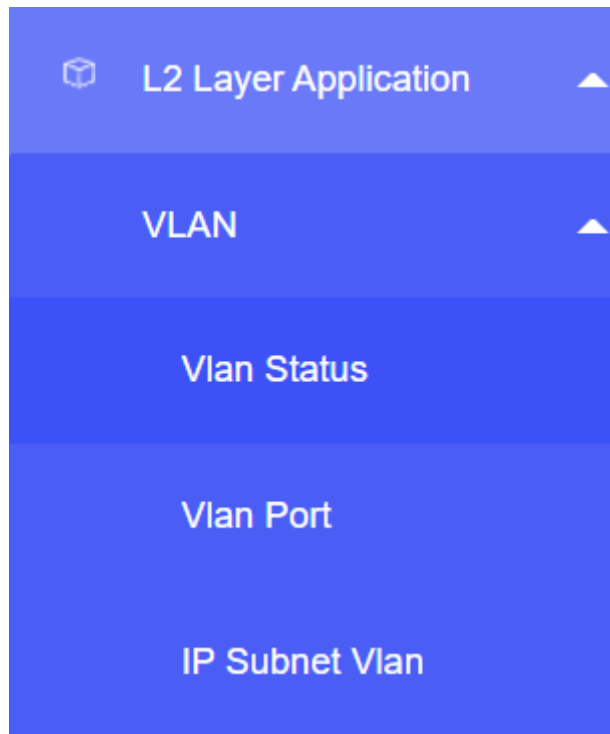
3.2 L2 Layer Application

Expand this setting item, you can make settings for VLAN, MAC Address Forwarding, Port Isolation, ERPS Protocol, LLDP Protocol, Static Multicast, Multicast, Link Aggregation, Anti-DOS Attack, etc.



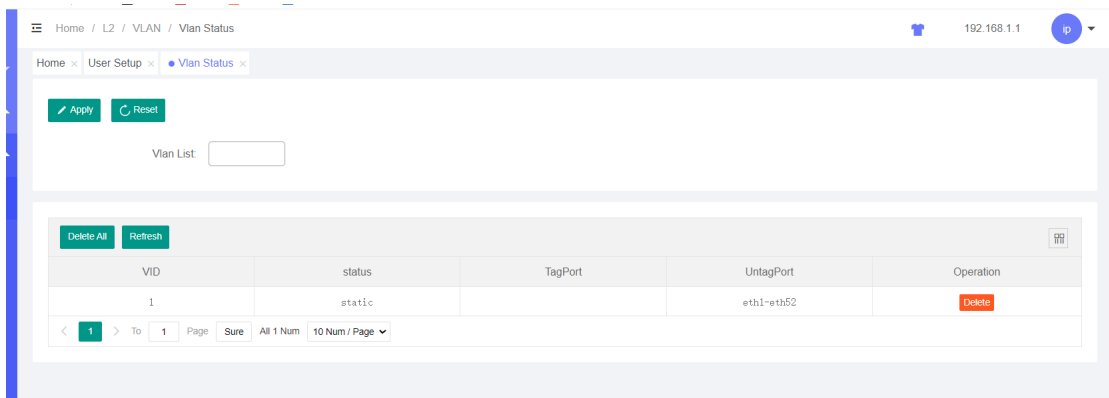
3.2.1 VLAN

Click "L2 Layer Application">"VLAN", which contains three sections: VLAN Status, VLAN Port, and IP Subnet Vlan Settings.

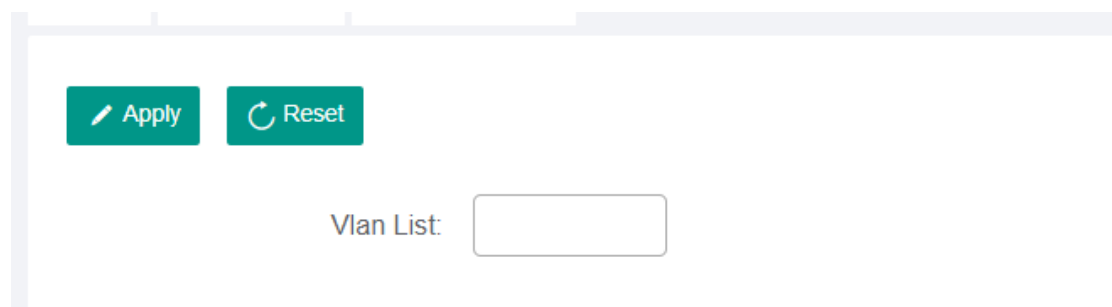


VLAN Status

Click "L2 Layer Application">"VLAN">"VLAN Status" to enter the VLAN Status configuration page.



1.Create VLAN



Vlan List: Create VLAN list;

After the above settings, click the "Apply" button to commit the configuration.

2. Delete VLAN

VID	status	TagPort	UntagPort	Operation
1	static		eth1-eth52	Delete

Click the "Delete" button in the "Operation" column to delete the specified VLAN;

Click the Delete All button to delete all VLAN;

Click the "Refresh" button to update the display information.

VLAN Port

Click "L2 Layer Application">"VLAN">"VLAN Port" to enter the "VLAN Port" configuration page.

Home / L2 / VLAN / Vlan Port

Home x Vlan Status x Vlan Port x

Select all Cancel

Please select port:

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

Apply Reset

PVID:

acceptFrameTypes: All

portMode: Hybrid

ingressFilter:

Action: Tagged

1. Configure VLAN ports

Please select port: select the port;

Click on the "Select All" button to select all ports;

Click the "Cancel" button to cancel the selection of ports;

PVID: set the PVID;

AcceptFrameTypes: set the receive frame type.Types include: Trunk, Hybrid, Access;

portMode: set the port mode;

Ingress Filter: set whether to enable the ingress check;

Action: set the attribute;

Vlan list: set the vlan list;

After the above settings, click "Apply" button to commit the configuration.

2.Delete VLAN port configuration

Port	PVID	acceptFrameTyp...	portMode	TagVlan	UntagVlan	ingressFilter	Operation
e0/0/1	1	All	Hybrid		1	enable	Delete
e0/0/2	1	All	Hybrid		1	enable	Delete
e0/0/3	1	All	Hybrid		1	enable	Delete
e0/0/4	1	All	Hybrid		1	enable	Delete
e0/0/5	1	All	Hybrid		1	enable	Delete
e0/0/6	1	All	Hybrid		1	enable	Delete
e0/0/7	1	All	Hybrid		1	enable	Delete
e0/0/8	1	All	Hybrid		1	enable	Delete
e0/0/9	1	All	Hybrid		1	enable	Delete
e0/0/10	1	All	Hybrid		1	enable	Delete

Click on the "Delete" button in the "Operation" column to restore the default configuration;

Click on the "Delete all" button to restore all default configurations;

Click the "Refresh" button to update the display information.

IP Subnet VLAN

Click "L2 Layer Application">"VLAN">"IP Subnet Port" to enter the "IP Subnet VLAN" configuration page.

Home / L2 / VLAN / IP Subnet Vlan

Home x IP Subnet Vlan x

Apply

IP Subnet Vlan Precede Enable Disable

Apply Reset

IP Address/Mask 0.0.0.0 / 0.0.0.0

Vlan Range<1-4094>

Level 0

Delete all Refresh

IP	Mask	Vlan	Priority	Status	operation
No data					

1. Enabling subnet VLAN precedence

Home x IP Subnet Vlan x

Apply

IP Subnet Vlan Precede Enable Disable

IP Subnet Vlan Precede: set enable or disable

After the above settings, click the "Apply" button to commit the configuration.

2. Configure IP subnet VLAN table entries

Apply Reset

IP Address/Mask 0.0.0.0 / 0.0.0.0

Vlan Range<1-4094>

Level 0

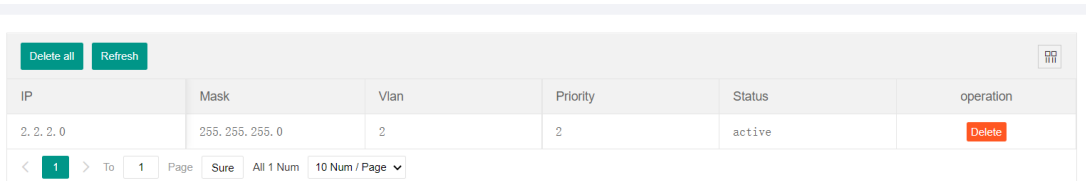
IP Address/Mask: sets the IP address/mask;

Vlan: sets the Vlan;

Level: set the priority level;

After the above settings, click "Apply" button to commit the configuration.

3.Delete IP Subnet VLAN Table Entries



The screenshot shows a table management interface for IP Subnet VLAN. At the top, there are buttons for "Delete all" and "Refresh". The table has columns: IP, Mask, Vlan, Priority, Status, and operation. One entry is visible with IP 2.2.2.0, Mask 255.255.255.0, Vlan 2, Priority 2, and Status active. The operation column contains a red "Delete" button. Below the table is a pagination control showing page 1 of 1, with options for "Page", "Sure", "All 1 Num", and "10 Num / Page".

IP	Mask	Vlan	Priority	Status	operation
2.2.2.0	255.255.255.0	2	2	active	Delete

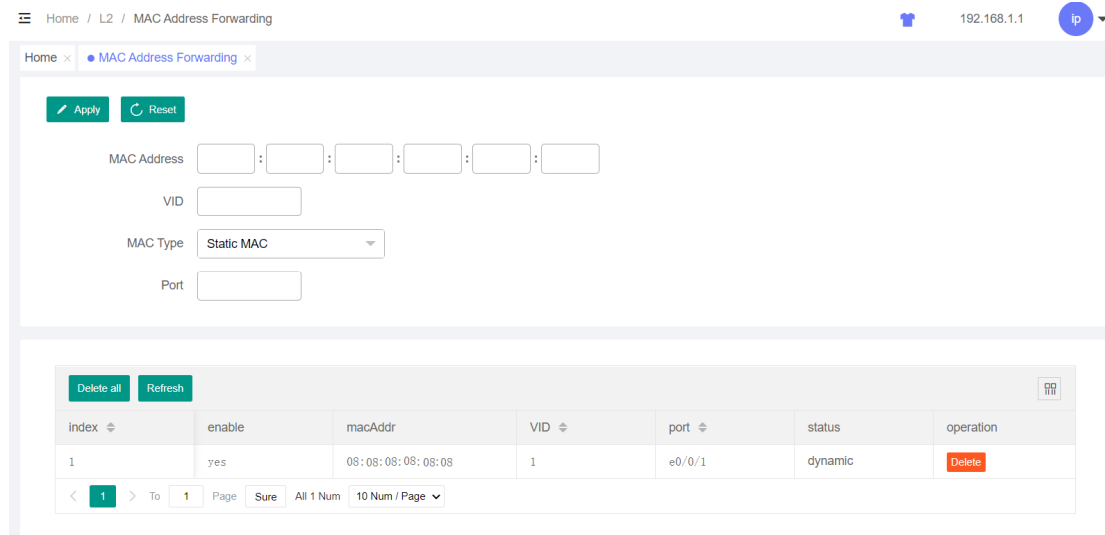
Click the "Delete" button in the "operation" column to delete the table entries;

Click the "Delete all" button to delete all table entries;

Click the "Refresh" button to update the display information.

3.2.2 MAC Address Forwarding

Click "L2 Layer Application">"MAC Address Forwarding" to enter the "MAC Address Forwarding" configuration page.



The screenshot shows the MAC Address Forwarding configuration page. It includes a breadcrumb trail: Home / L2 / MAC Address Forwarding. The page has a top bar with "Home" and "MAC Address Forwarding" tabs, and a user profile icon for "ip" with IP address 192.168.1.1. The main configuration area contains: "Apply" and "Reset" buttons; a MAC Address field with six input boxes; a VID field; a MAC Type dropdown menu set to "Static MAC"; and a Port field. Below the configuration area is a table management interface for MAC Address Forwarding. It has "Delete all" and "Refresh" buttons. The table columns are: Index, enable, macAddr, VID, port, status, and operation. One entry is shown with Index 1, enable yes, macAddr 08:08:08:08:08:08, VID 1, port e0/0/1, and status dynamic. The operation column has a red "Delete" button. The pagination control shows page 1 of 1.

Index	enable	macAddr	VID	port	status	operation
1	yes	08:08:08:08:08:08	1	e0/0/1	dynamic	Delete

MAC Address: Enter the MAC address;

VID: Enter the VLAN ID;

MAC Type: select the MAC type;

Port: Enter the port;

After the above settings, click "Apply" button to commit the configuration.

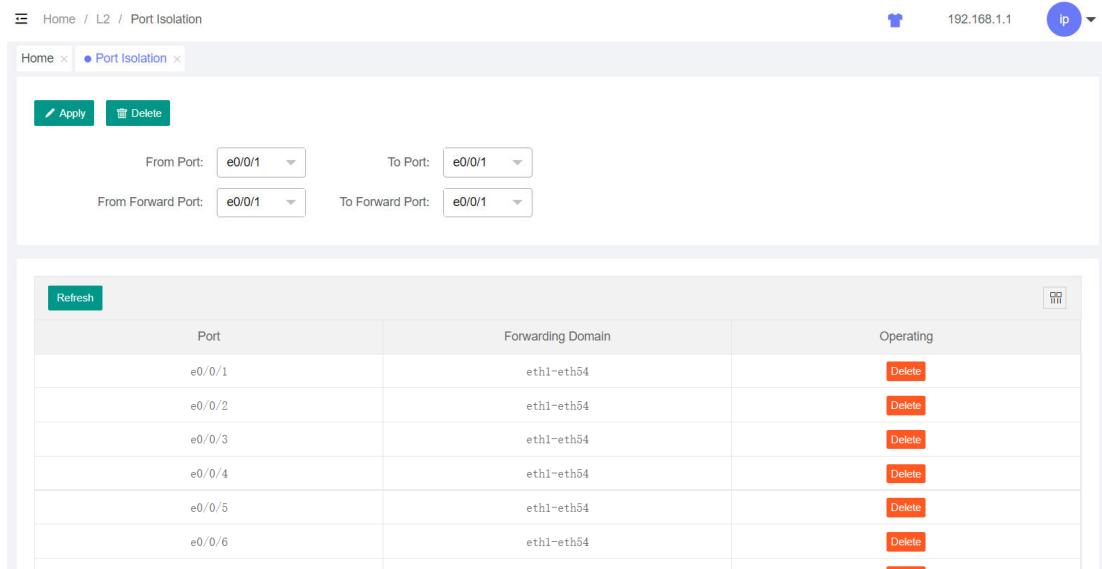
Click "Refresh" to update the display information.

Click the "Delete" button in the "Operation" column to delete the corresponding MAC table.

Click the "Delete All" button to delete all MAC tables.

3.2.3 Port Isolation

Click "L2 Layer Application">"Port Isolation" to enter the "Port Isolation" configuration page.



1. Delete the forwarding port

Click the "Delete" button in the "Operation" column to delete the forwarding configuration.

2. Configure the port forwarding list

From Port: Select the start port;

To port: Select the end port;

From forward port: Select the start forwarding port;

To forward port: Select the end forwarding port;

After the above settings, click "Apply" button to commit the configuration.

3.2.4 ERPS Protocol

Click "L2 Layer Application">"ERPS Protocol" to enter the "ERPS Protocol" configuration page.

Home x ERPS Protocol x

Apply

Global ERPS status Enable Disable

Add **Reset**

Instance

Meg Level

Ring Id Ring Level Master Ring Sub Ring

Control VLAN

Protected-instance List

Ring Port0 Link Role

Ring Port1 Link Role

Ring Active

1.Enable ERPS function

Home x ERPS Protocol x

Apply

Global ERPS status Enable Disable

ERPS Status: Configure enable or disable;
After the above settings, click the "Apply" button to commit the configuration.

2.Configure ERPS Information

Instance
 Meg Level
 Ring Id Ring Level Master Ring Sub Ring
 Control VLAN
 Protected-instance List
 Ring Port0 Link Role
 Ring Port1 Link Role
 Ring Active

Instance: Set the instance ID;
 MegLevel: Set the message level;
 Ring Id: Set the ring ID; Ring level: set the main ring or sub-ring;
 Control VLAN: Set the control VLAN;
 Protected-instance List: Set the protection instance;
 Ring Port 0: Set the ring port; Link Role: set the role;
 Ring Port 1: Set ring port; Link Role: set the role;
 Ring Active: Enable the ring;
 After the above settings, click "Add" button to commit the configuration.

3.Display Information

Instance	Ring State	MegLevel	Ring	RingLevel	CtrlVLAN	ProtectedIns	RingPort0	RingPort1	Operation
1	enabled	0	1	Master Ring	3	1	1	2	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Click "Refresh" to update the display information;
 Click the "Delete" button in the "Operation" column to delete the configuration;
 Click on the "Modify" button in the "Operation" column to modify the configuration.

3.2.5 LLDP Protocol

Click "L2 Layer Application">"LLDP Protocol" to enter the "LLDP Protocol" configuration page.

Home x LLDP Protocol x

Apply

Global Lldp: Enable Disable

Trap: Enable Disable

Hello-time: Default second (5-32768)

Hold-time: Default second (2-10)

Apply **Select all** **Cancel**

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

Mode:

Management Address:

Vlan Id:

Refresh

Port	Mode	Management Address	Neighbours
e0/0/1	RxTx		0

1.Global Parameter Configuration

Apply

Global Lldp: Enable Disable

Trap: Enable Disable

Hello-time: Default second (5-32768)

Hold-time: Default second (2-10)

Global LLDP: Select enable or disable;

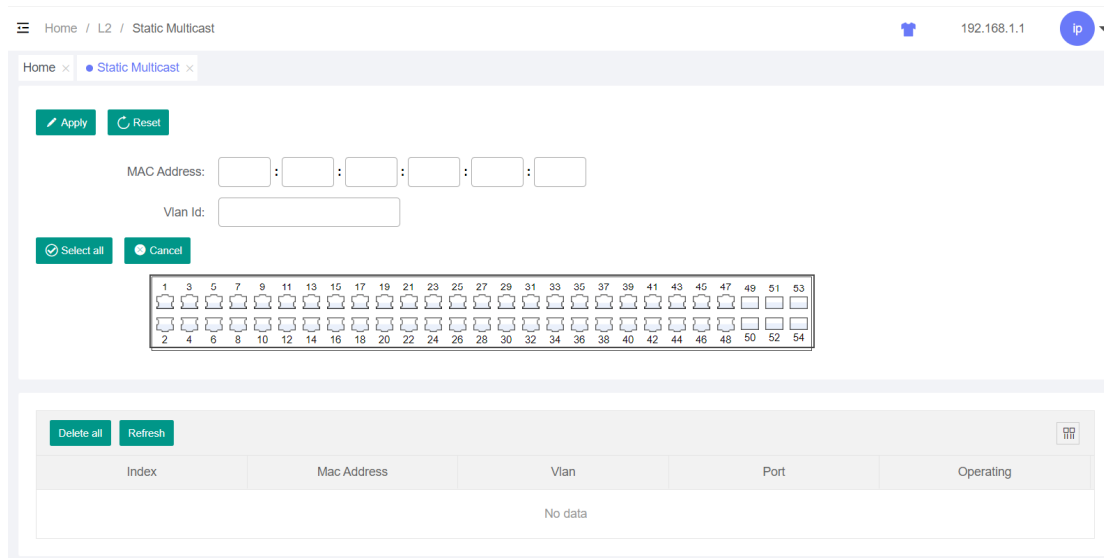
Trap: Select on or off;

Hello-time: Set hello time;

Hold-time: Set the hold time;

After the above settings, click "Apply" button to commit the configuration.

2.Port Parameter Configuration



MAC Address: Set the MAC address;

Vlan Id: Set the Vlan;

Port List: select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

After the above settings, click "Apply" button to commit the configuration.

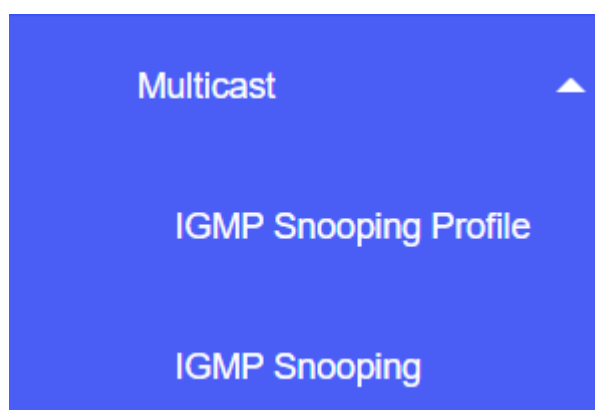
Click "Refresh" button to refresh the display information.

Click the "Delete" button in the "Operating" column to delete the table entry.

Click the "Delete All" button to delete all table entries.

3.2.7 Multicast

Click "L2 Layer Application">"Multicast" to enter the Multicast configuration page.



1.IGMP Snooping Profile

Click "L2 Layer Application">"Multicast">"IGMP Snooping Profile" to enter the IGMP Snooping Profile configuration page.

Home / L2 / Multicast / IGMP Snooping Profile

Home x IGMP Snooping Profile x

Apply Reset

Profile Id:

Profile Limit: permit deny

Profile Description:

Delete all Refresh

Profile Id	Profile Limit	Description	Operation
No data			

Apply Reset

Profile Id:

1) Configure Profile Id

Home x IGMP Snooping Profile x

Apply Reset

Profile Id:

Profile Limit: permit deny

Profile Description:

Delete all Refresh

Profile Id	Profile Limit	Description	Operation
1	Permit	1	Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Configure Profile Id: sets the profile ID;

Profile Limit: sets the allow or deny;

Profile Description: set the description;

After the above configuration, click "Apply" button to commit the configuration.

Click the "Refresh" button to update the displayed information.

Click the "Delete" button in the "Operation" column to delete the information.

Click "Delete All" button to delete all information.

2) Configuring Filtering Information;

Profile Id:
 Input Format:
 Start Address:
 End Address:
 VLAN:

Profile Id	Start Address	End Address	VLAN	Operation
1	224. 1. 1. 1	224. 1. 1. 2	1	<input type="button" value="Delete"/>

> To Page All 1 Num

Profile ID: Sets the configuration ID;
Input Format: Sets the input format.The preview address can be configured as either IP or MAC;
Start Address: Sets the start address;
End Address: Sets the end address;
VLAN: Set Vlan;
 After the above configurations, click "Apply" button to commit the configuration.

Click "Refresh" button to update the display information.
 Click "Delete" button in the "Operation" column to delete the information.
 Click "Delete All" button to delete all the information.

2.IGMP Snooping

Click "L2 Layer Application">"Multicast">"IGMP Snooping" to enter the IGMP Snooping configuration page.

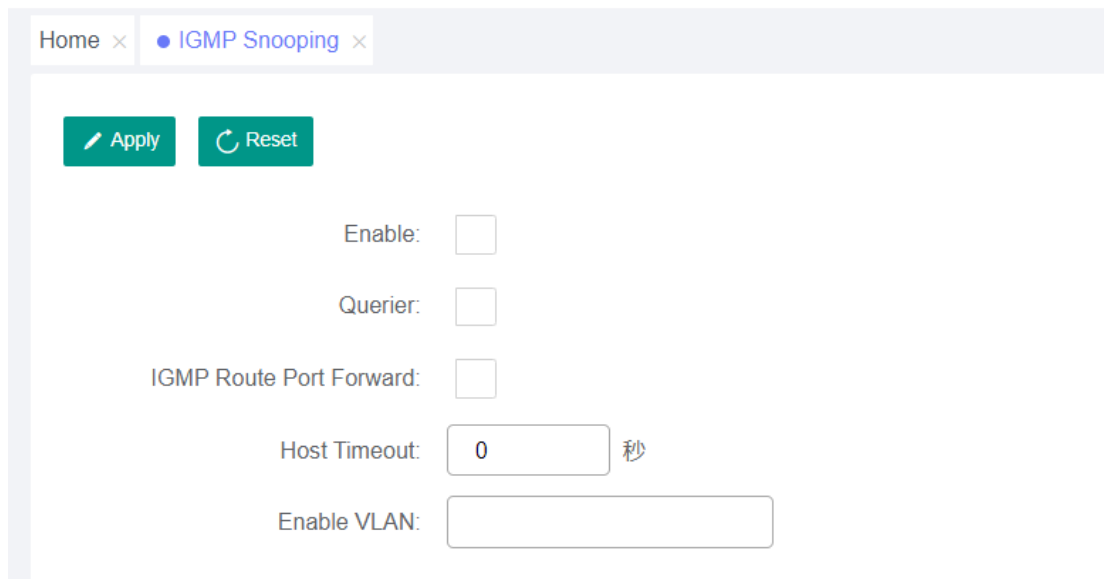
Enable:
 Querier:
 IGMP Route Port Forward:
 Host Timeout: 秒
 Enable VLAN:

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fast leave:

1) Global Configuration



Home × • IGMP Snooping ×

Enable:

Querier:

IGMP Route Port Forward:

Host Timeout: 秒

Enable VLAN:

Enable: Set whether to enable IGMP Snooping;

Querier: Set whether to enable the querier;

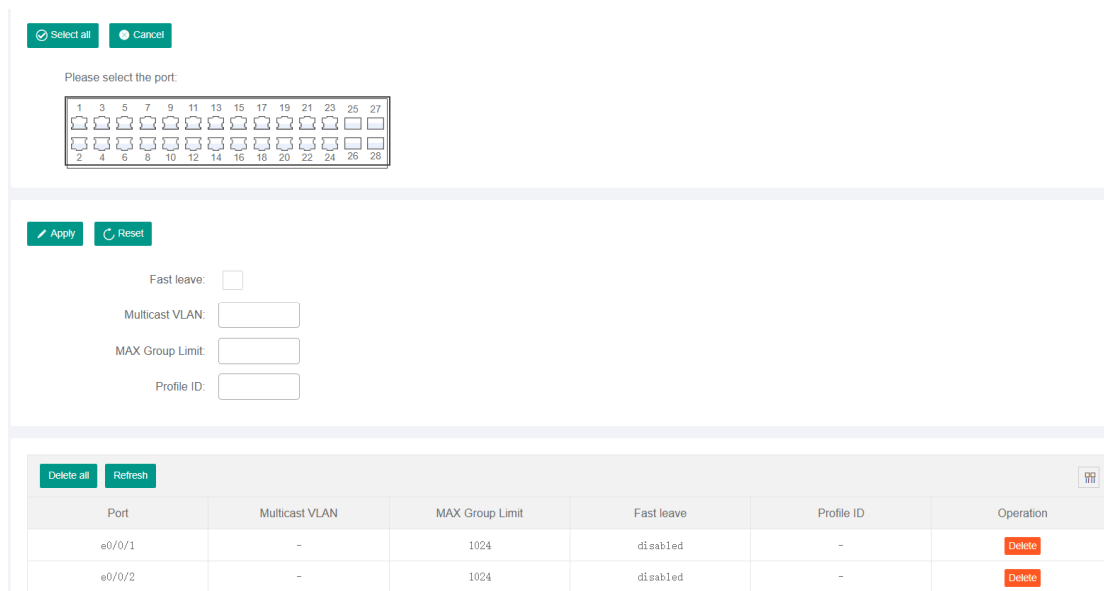
IGMP Route Port Forward: Set whether to enable the route port forwarding function;

Host Timeout: Configure the multicast aging time;

Enable VLAN: Set the multicast VLAN;

After the above settings, click the "Apply" button to commit the configuration.

2) Port Configuration



Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Fast leave:

Multicast VLAN:

MAX Group Limit:

Profile ID:

Port	Multicast VLAN	MAX Group Limit	Fast leave	Profile ID	Operation
e0/0/1	-	1024	disabled	-	<input type="button" value="Delete"/>
e0/0/2	-	1024	disabled	-	<input type="button" value="Delete"/>

Please select the port;

Click the "Select All" button to select all ports;

Click "Cancel" button to deselect the port;

Fast leave: Set whether to enable fast leave;
Multicast VLAN: Configure multicast VLAN;
Max Group Limit: Configure the maximum group limit;
Filter ID: Apply filter ID;
After the above settings, click the "Apply" button to commit the configuration.

Click "Refresh" button to update the display information.
Click "Delete" button in the "Operation" column to delete the information.
Click "Delete All" button to delete all the information.

3.2.8 Link Aggregation

Click "L2 Layer Application">"Link Aggregation" to enter the Link Aggregation configuration page.



LACP

Click "L2 Layer Application">"Link Aggregation">"LACP" to enter the LACP configuration page.

Home x LACP x

Apply Reset

System Priority: 32768

Load-balance Mode: src-mac

Apply Reset

Group ID: T1

Active:

Eth-trunk Mode: Dynamic

Delete all Refresh

Groupid	Active	Static_status	Enable port	Sync port	Aggregate ID	Operation
1	disable	-	-	-	-	Delete
2	disable	-	-	-	-	Delete

1) System Parameter Configuration

Home x LACP x

Apply Reset

System Priority: 32768

Load-balance Mode: src-mac

System Priority: configure the aggregation group system priority, default 32768 (priority range 1-65535).

Load-balance Mode: Configure the load-balance mode.

After the above settings, click the "Apply" button to commit the configuration.

2) Aggregation Group Configuration

Group ID: Set the aggregation group number;

Active: Set whether to active;

Eth-trunk mode: Set the aggregation group mode;

After the above settings, click the "Apply" button to commit the configuration.

3) Delete Port Configuration

Delete all		Refresh					
Groupid	Active	Static_status	Enable port	Sync port	Aggregate ID	Operation	
1	disable	-	-	-	-	Delete	
2	disable	-	-	-	-	Delete	
3	disable	-	-	-	-	Delete	
4	disable	-	-	-	-	Delete	
5	disable	-	-	-	-	Delete	
6	disable	-	-	-	-	Delete	
7	disable	-	-	-	-	Delete	

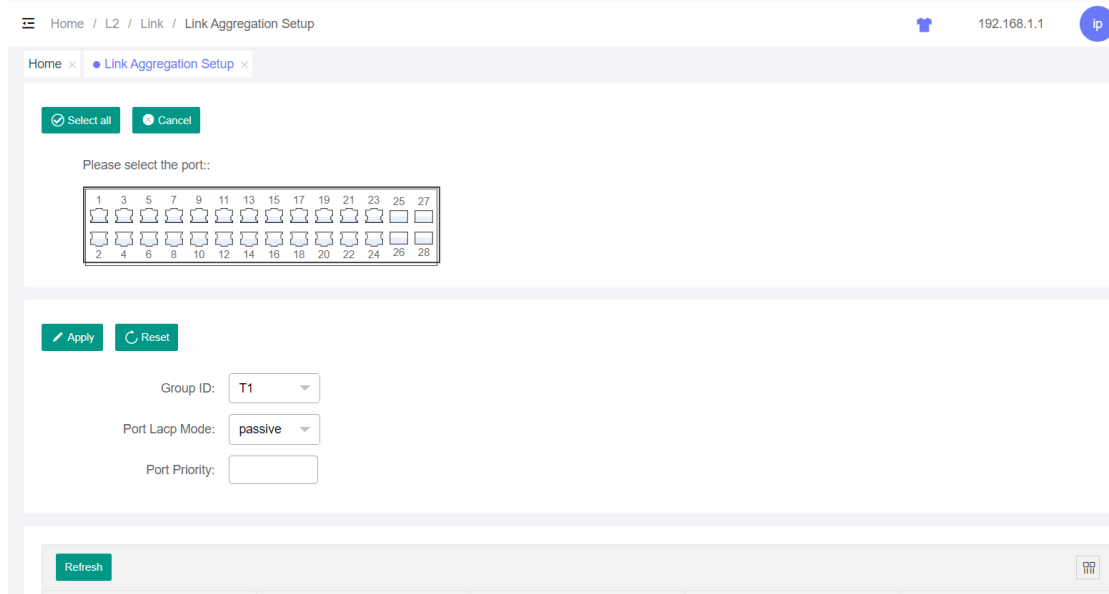
Click the "Refresh" button to update the display information.

Click the "Delete" button in the "Operation" column to restore the current port default configuration.

Click the "Delete All" button to restore the default configuration of all ports.

Link Aggregation Setup

Click "L2 Layer Application">"Link Aggregation">"Link Aggregation Setup" to enter the Link Aggregation Setup configuration page.



- Please select the port: Select a port;
- Click the "Select All" button to select all ports;
- Click "Cancel" button to deselect ports;
- Aggregation group number: set the aggregation group number;
- Port LACP mode: set the port lacp mode;
- Port Priority: set the port priority;
- After the above settings, click "Apply" button to commit the configuration.
- Click "Refresh" button to update the display information.
- Click the "Delete" button in the "Operation" column to restore the default configuration.

3.2.9 Anti-DOS Attack

Click "L2 Layer Application">"Anti-DOS Attack" to enter the Anti-DOS Attack configuration page.

Home x Anti Dos Attack x

Apply Reset

Src mac and dst mac equal

Src ip and dst ip equal

UDP with sport and dport equal

TCP with sport and dport equal

ICMPv4 payload maximum length

ICMPv6 payload maximum length

TCP control flags and sequence equal 0

TCP syn packets sport 0-1023, applies to unfragmented packets

Enable dos attack ip first fragments

Check minimum size of ipv6 fragments

Fragmented icmp packets

TCP fragments with offset value of 1(*8)

TCP with SYN & FIN bits

TCP with FIN,URG and PSH bits,and sequence equal 0

TCP frist fragments with minimum tcp header length

Source mac address is equal to destination mac address: set whether to enable;

Source ip address and destination ip address are equal: set whether to enable;

UDP message source port number and destination port number are equal: set whether to enable or not;

TCP packet source port number and destination port number are equal: set whether to enable or not;

ICMPv4 Maximum Load Length: set the ICMPv4 maximum load length;

ICMPv6 maximum load length: set the maximum load length of ICMPv6;

TCP message control flags and sequence equal to 0: set whether to enable;

TCP synchronization message source port 0-1023, applied to non-fragmented messages: set whether to enable;

Enable ip message first fragmentation dos attack detection: set whether to enable;

ipv6 minimum fragment size detection: set ipv6 minimum fragment size;

Fragmentation tagged icmp messages: set whether to enable;

tcp message fragment value of 1(*8): set whether to enable;

tcp message carrying SYN and FIN bits: set whether to enable;

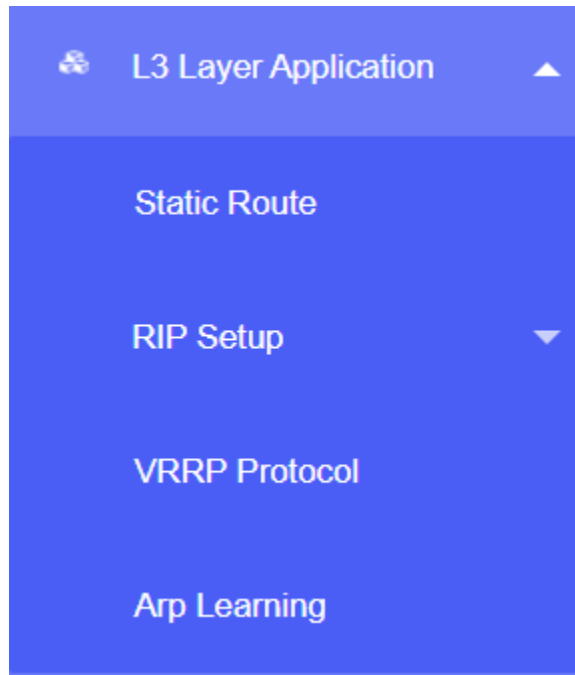
tcp message carries FIN, URG and PSH bits, and sequence is equal to 0: set whether to enable or not;

Minimum tcp header length for the first fragment of tcp message: set the minimum tcp header length for the first fragment of tcp message;

After the above settings, click the "Apply" button to commit the configuration.

3.3 L3 Layer Application

Expand this setting item, you can make settings for StaticRoute, RIP Setup, VRRP Protocol, Arp Learning, etc.



3.3.1 Static Route

Click "L3 Layer Application">"Static Route" to enter the Static Route configuration page.

The screenshot shows the "Static Route" configuration page. At the top, there are "Add" and "Reset" buttons. Below are three input fields: "Destination IP Address" (0.0.0.0), "IP Subnet Mask" (0.0.0.0), and "Gateway IP Address" (0.0.0.0). A table below lists the configuration with columns for Index, Destip, Mask, Nexthop, Interface, and Operation. The table has one row with Index 1, Destip 0.0.0.0, Mask 0.0.0.0, Nexthop 192.168.1.100, Interface VLAN-IF1, and a Delete button. A pagination bar at the bottom shows "1" of "1" pages, "All 1 Num", and "10 Num / Page".

Index	Destip	Mask	Nexthop	Interface	Operation
1	0.0.0.0	0.0.0.0	192.168.1.100	VLAN-IF1	Delete

Destination IP: Set the destination IP;

IP Subnet Mask: Set the IP mask;

Gateway IP Address: Set the next hop;

After the above settings, click "Add" button to commit the configuration;
Click the Delete button in the "Operation" column to delete the configuration.

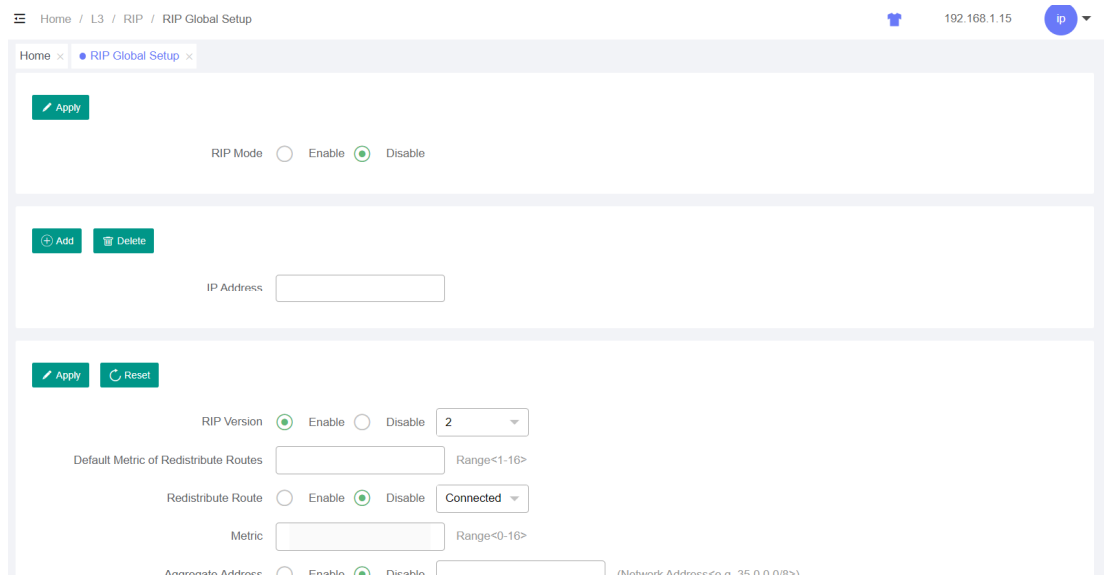
3.3.2 RIP Setup

Click "L3 Layer Application">"RIP Setup" to enter the RIP Setup configuration page.




1.RIP Global Setup

Click "L3 Layer Application">"RIP Setup">"RIP Global Setup" to enter the RIP Global Setup configuration page.



1)Enable RIP mode

Home x RIP Global Setup x





RIP Mode Enable Disable

RIP Mode: Set enable or disable;

After the above settings, click the "Apply" button to commit the configuration.

2)Enable Interface RIP



 

IP Address

IP Address: Set the IP address of the interface running RIP;

After the above configuration, click the "Add" button to configure.

3)Configure other parameters

RIP Version Enable Disable

Default Metric of Redistribute Routes Range<1-16>

Redistribute Route Enable Disable

Metric Range<0-16>

Aggregate Address Enable Disable (Network Address<e.g.,35.0.0.0/8>)

Control Distribution of Default Route Enable Disable

Static Route Enable Disable (Network Address<e.g.,35.0.0.0/8>)

Distance Range<1-255>

Routing Table Update Timer Range<5-65535>

Routing Information Timeout Timer Range<5-65535>

Garbage Collection Timer Range<5-65535>

RIP version: Set the RIP version;

Default Metric of Redistribute Routes: Sets the default route count for introducing external routes;

Redistribute Route : Set the route raw distribution;

Metric: Set the metric value;

Aggregate Address: Set aggregate routes;

Control Distribution of Default Route: Sets control default route distribution;

Static Route: Set static routes;

Distance: Set the distance;

Routing table update timer: Set the routing table update timer;

Routing Information Timeout Timer: Set the routing information timeout timer;

Garbage Collection Timer: Set the garbage collection timer;

After the above settings, click "Apply" button to commit the configuration.

4)Display Information

▼ RIP Status Information

IP Address	Version	Default Metri...	Redistribute ...	Control Distr...	Routing Tabl...	Routing Info...	Garbage Col...	Distance
No data								

▼ RIP Router Information

Index	Type	Network	Next Hop	Metric	Time(s)
No data					

2.RIP Interface Setup

Click "L3 Layer Application">"RIP Setup">"RIP Interface Setup" to enter the RIP Interface Setup configuration page.

Home / L3 / RIP / RIP Interface Setup 192.168.1.15 ip

Home x RIP Interface Setup x

Add Delete

MD5 Key Chain

MD5 Key ID Range<0-255>

MD5 Password

MD5 Key Chain : Please select Refresh Refresh

MD5 Key ID	MD5 Password
No data	

Apply Reset

Interface VLAN-IF1

1) Configure MD5 key

Add Delete

MD5 Key Chain

MD5 Key ID Range<0-255>

MD5 Password

MD5 Key Chain : Please select Refresh Refresh

MD5 Key ID	MD5 Password
No data	

MD5 Key Chain: Set the MD5 key name;

MD5 Key ID: Set the MD5 key group;

MD5 Password: Set the MD5 authentication password;

After the above settings, click "Add" button to commit the configuration;

Click "Refresh" button to update the display information.

2) Configuring Other Configurations

Interface:

Send RIP Version:
 Enable
 Disable
 (Version ID)
 (Send Way)

Receive RIP Version:
 Enable
 Disable
 (Version ID)
 (Receive Way)

Authentication Mode:
 Enable
 Disable

Authentication Password: (fill in the password for simple authentication, fill in the key name for MD5 authentication)

Split Horizon:
 Enable
 Disable

Index	Vlan Name	Send RIP Version	Receive RIP Version	Authentication Mode	Authentication Pass...	Split Horizon
No data						

Interface: Select the interface;

Send RIP Version: Set the send RIP version;

Receive RIP Version: Set the receive RIP version;

Authentication Mode: Set the authentication mode;

Authentication Password: Set the authentication password;


Split Horizon: Set the horizontal split;

After the above settings, click "Apply" button to commit the configuration.



3.3.3 VRRP Protocol

Click "L3 Layer Application" > "VRRP Protocol" to enter the VRRP Protocol configuration page.

Home x VRRP Protocol x



VRRP PING Enable Disable

VRRP ID List

VRRP ID Range<1-255>

VRRP State

Interface Name

Virtual IP

Preempt

Delay Time Range<0-255>

Priority Range<1-254>

Interval Time Range<1-255>

1) Enable VRRP PING



VRRP PING Enable Disable

VRRP PING: Set enable or disable;

After the above settings, click the "Apply" button to commit the configuration.

2) Configuring Other Configurations

 Apply

 Reset

VRRP ID List	<input type="text" value="Please select"/>	
VRRP ID	<input type="text"/>	Range<1-255>
VRRP State	<input type="text"/>	
Interface Name	<input type="text" value="Please select"/>	
Virtual IP	<input type="text"/>	
Preempt	<input checked="" type="checkbox"/>	
Delay Time	<input type="text" value="0"/>	Range<0-255>
Priority	<input type="text" value="100"/>	Range<1-254>
Interval Time	<input type="text" value="1"/>	Range<1-255>
Track Interface Name	<input type="text" value="None"/>	
Track Reduced Priority	<input type="text"/>	Range<1-254>

VRRP ID List: selects the VRRP ID, which needs to be set when modifying the VRRP ID configuration;

VRRP ID: Set VRRP ID, required when creating VRRP ID;

Interface Name: Select the interface name;

Virtual IP: Set the virtual IP;

Preempt: Set whether to preempt;

Delay Time: Set the delay time;

Priority: Set the priority;

Interval Time: Set the interval time;


Track Interface Name: Set the monitor interface;

Track Reduced Priority: Set the priority lowering value;

After the above settings, click the "Apply" button to commit the configuration.

3) Virtual IP List Information Display

Virtual IP List


Refresh 				
Index	Master IP	Virtual IP	Virtual MAC	Operation
1	192.168.1.15	192.168.1.12	01:01:01:01:01:01	Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Click the "Refresh" button to update the display information;
Click the "Delete" button to delete the configuration.

4) Monitor Interface List Information Display

Track Interface List

				
Index	Track Interface	Reduced Priority	State	Operation
1	VLAN-IF1	1	up	Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Click the "Delete" button to delete the configuration.

3.3.4 Arp Learning

Click "L3 Layer Application">"Arp Learning" to enter the Arp Learning configuration page.

Home / L3 / Arp Learning

Home × ● Arp Learning ×

Age Time: (3-2880)minute

IP:

MAC: : : : : :

Vlan:

Port:

1) Configure the age time

Age Time: (3-2880)minute

Age Time: Set the aging time;

After the above settings, click the "Apply" button to commit the configuration.

2) Configure Static ARP

⊕ Add ↻ Reset

IP:

MAC: : : : : :

Vlan:

Port:

IP: Set the IP address;

MAC: Set the MAC address;

Vlan: Set the VLAN;

Port: Set port;

After the above settings, click "Add" button to commit the configuration.

3) Information Display

Refresh							
IP	MAC	Vlan	Port	Type	Status	Operation	
192.168.1.18	00:00:11:22:33:44	1	0/0/1	static	PERMANENT	Delete	
192.168.1.111	11:22:11:11:22:11	1	0/0/1	dynamic	REACHABLE	Delete	

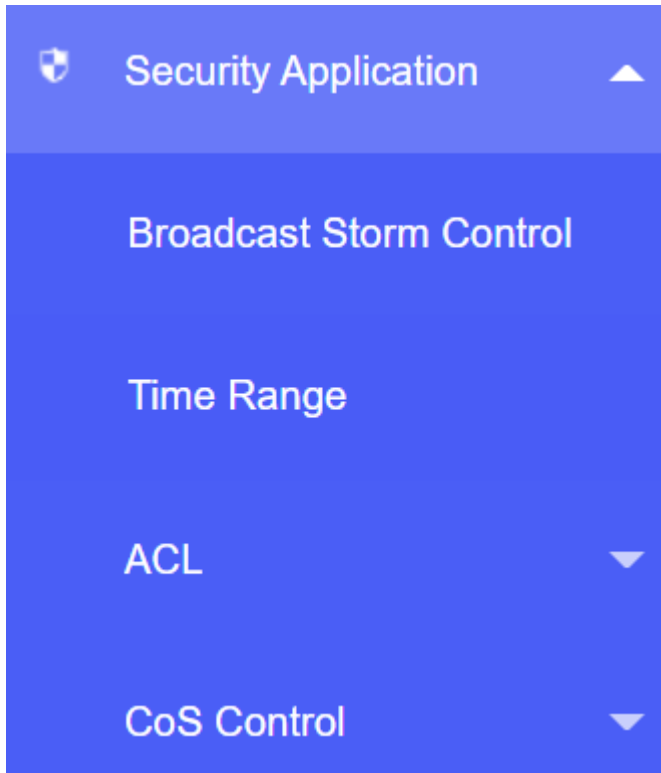
< 1 > To 1 Page Sure All 2 Num 10 Num / Page ▾

Click the "Refresh" button to update the display information;

Click the "Delete" button to delete the table entry.

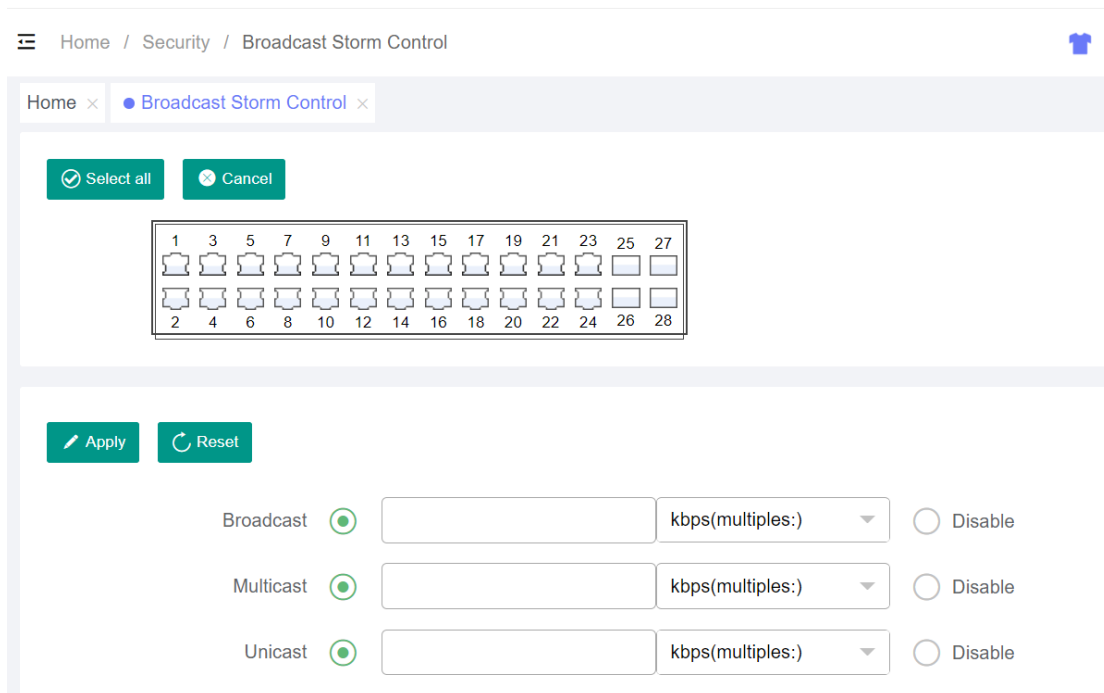
3.4 Security Application

Expand this setting item, you can make settings for Broadcast Storm Control, Time Range, ACL, CoS Control, etc.



3.4.1 Broadcast Storm Control

Click "Security Application">"Broadcast Storm Control" to enter the broadcast storm control configuration page.



Port list: select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Broadcast: Enable broadcast storm control and configure rate and unit; Disable: disable the function;

Multicast: Enable multicast storm control and configure rate and unit; Disable: disable the function;

Unicast: Enable unicast storm control and configure rate and unit; Disable: disable the function;

After the above settings, click "Apply" button to commit the configuration.

3.4.2 Time Range

Click "Security Application">"Time Range" to enter the time range configuration page.

The screenshot shows the 'Time Range' configuration page. At the top, there is a breadcrumb 'Home / Security / Time Range' and a user profile 'ip'. Below the breadcrumb, there are two tabs: 'Home' and 'Time Range'. The main configuration area contains the following fields:

- Time Range Name:** A text input field with a placeholder 'String Range<1-32>'.
- Time Type:** A dropdown menu currently set to 'absolute'.
- Start Time:** A date and time picker with fields for year, month, day, hour, and minute.
- End Time:** A date and time picker with fields for year, month, day, hour, and minute.

Below the configuration fields, there is a table with a 'Time list' dropdown set to 'Please select'. To the right of the dropdown are 'Delete list' and 'Refresh' buttons. The table has two columns: 'Absolute' and 'Periodic'. The table is currently empty, displaying 'No data'.

Time Range Name: set the time period name;

Time type: set the time type;

Start Time: sets the start time period;

End Time: set the end time period;

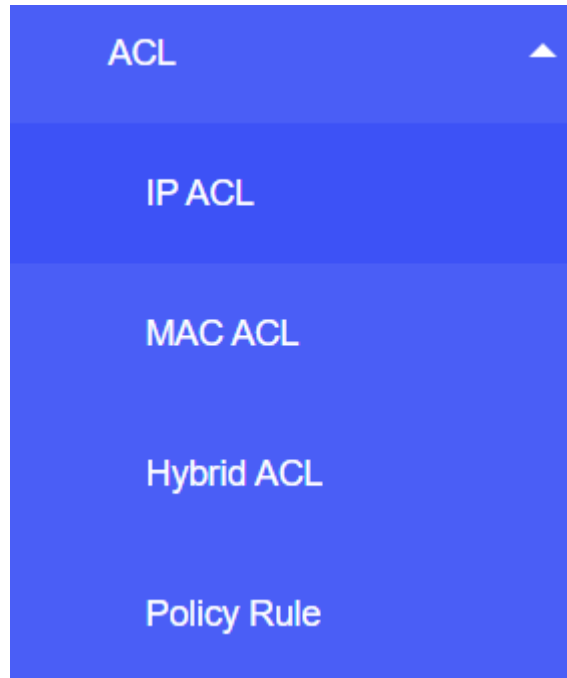
After the above settings, click "Add" button to commit the configuration;

Click "Refresh" button to update the information display;

After setting the time list in "Time Range", click "Delete List" button to delete the information.

3.4.3 ACL

Click "Security Application">"ACL" to expand this setting, you can set IP ACL, MAC ACL, Hybrid ACL and Policy Rule.



IP ACL

Click "Security Application">"ACL">"IP ACL" to enter the IP ACL configuration page.

A screenshot of a web-based configuration page for IP ACL. The page has a light gray header with 'Home x' and 'IP ACL x' tabs. Below the header are two green buttons: '+ Add' and 'Reset'. The main content area contains several configuration fields: 'Name' (text input, Range<1-999>), 'Subitem' (text input, Range<0-127>), 'Time Range' (dropdown menu, 'None' selected), 'Active' (dropdown menu, 'Permit' selected), 'IPv4/v6' (dropdown menu, 'IPv4' selected), 'IP Protocol' (radio button selected for 'null', dropdown menu, and radio button for 'Others' with a text input, Range<0-255>), 'Fragments' (checkbox, unchecked), 'DSCP/Tos' (dropdown menu, 'null' selected), 'Source IP Address/Mask' (two text inputs, '0.0.0.0' and '0.0.0.0'), and 'Destination IP Address/Mask' (two text inputs, '0.0.0.0' and '0.0.0.0').

1) Configuring IP ACL Rules

Name: Set the rule ID;

Subitem: Set the sub-item ID;

Time Range: Set the time Range;
 Active: Set the action;
 IPv4/v6: Set the IP type;
 IP protocol: Set the IP protocol;
 Fragments: Set whether to fragments;
 DSCP/Tos: Set DSCP or Tos;
 Source IP Address/mask: Set the source IP and mask;
 Destination IP Address/Mask: Set the destination IP and mask;
 After the above settings, click the "Add" button to commit the configuration.

2) Manage IP ACL policies

Index	Name	Active	Type	Rule	Subitem	Operation
1	1	permit	IP	sIp:192.168.1.0, sIpMask:255.255.255.0, dIp:any,	0	Delete

Click on the "Refresh" button to update the display information;
 Click the "Delete" button in the "Operation" column to delete the configuration;
 Click the "Delete All" button to delete all configurations.

MAC ACL

Click "Security Application">"ACL">"MAC ACL" to enter the MAC ACL configuration page.

1) Configuring MAC ACL Rules

Name: set the policy ID;
 Subitem: set the sub-item ID;
 Time Range: set the time range;
 Active: set the action;
 Source MAC Address: set the source MAC address;
 Dest MAC Address: set the destination MAC address;
 Cos: set the priority;
 VLAN: set the VLAN;
 Ethernet Type: set the Ethernet type;
 After the above settings, click "Add" button to commit the configuration.

2) Manage MAC ACL policies

Index	Name	Active	Type	Rule	Subitem	Operation
1	1000	permit	mac	src-mac:00:00:00:11:22:33,mask:ff:ff:ff:ff:ff,any vlan:1,	0	Delete

Click on the "Refresh" button to update the display information;
 Click the "Delete" button in the "Operation" column to delete the configuration;
 Click the "Delete All" button to delete all configurations.

Hybrid ACL

Click "Security Application">"ACL">"Hybrid ACL" to enter the Hybrid ACL configuration page.

Home x Hybrid ACL x

+ Add **Reset**

Name Range<2000-2999>

Subitem Range<0-127>

Time Range

Active

IPv4/v6

IP Protocol Others Range<0-255>

Fragments

DSCP/Tos

Source IP Address/Mask /

Dest IP Address/Mask /

Source MAC Address : : : : :

Mask host : : : : :

Dest MAC Address : : : : :

Mask host : : : : :

Cos any

VLAN any Range<1-4094>

1) Configuring Hybrid ACL Rules

Name: Set the rule ID;

Subitem: Set the subitem ID;

Time Range: Set the time Range;

Active: Set the action;

IPv4/v6: Set the IP type;

IP protocol: Set the IP protocol;

Fragments: Set whether to fragments;

DSCP/Tos: Set DSCP or Tos;

Source IP Address/mask: Set the source IP and mask;

Destination IP Address/Mask: Set the destination IP and mask;

Source MAC Address: set the source MAC address;

Dest MAC Address: set the destination MAC address;

Cos: set the priority;

VLAN: set the VLAN;

Ethernet Type: set the Ethernet type;

After the above settings, click the "Add" button to commit the configuration.

2) Manage Hybrid ACL policies

Index	Name	Active	Type	Rule	SubItem	Operation
1	2000	pernit	hybrid	src-mac:00:00:00:11:22:33,mask:ff:ff:ff:ff:ff:ff,dst-mac:00:	0	Delete

Click on the "Refresh" button to update the display information;

Click the "Delete" button in the "Operation" column to delete the configuration;

Click the "Delete All" button to delete all configurations.

Policy Rule

Click "Security Application">"ACL">"Policy Rule" to enter the Policy Rule configuration page.

Home x Policy Rule x

Global: Port:

Ip-ACL: 1 SubItem: 0

MAC-ACL: 1000 SubItem: 0

Hybrid-Acl: 2000 SubItem: 0

Active:

DSCP: <0-63>

Priority: 0

Redirect: CPU: Port:

Mirror: CPU: Port:

Rate Limit: Kbps

Insert Vlan: <1-4094>

Rewrite Vlan: <1-4094>

1) Configure Policy Rule

Global: Set the global application; Port: set the port application and configure the port number;

Ip-ACL: Set the Ip-ACL; Subitem: Set the sub-item ID;

MAC-ACL: Set the MAC-ACL; Subitem: Set the sub-item ID;

Hybrid-ACL: Set Hybrid-ACL; Subitem: Set subitem ID;
 Active: Set whether to activate;
 DSCP: Set DSCP;
 Priority: Set the priority;
 Redirect: Set the redirection;
 Mirror: Set mirroring;
 Rate Limit: Set the rate limit;
 Insert Vlan: Set insert VLAN;
 Rewrite Vlan: Set rewrite VLAN;
 After the above settings, click the "Add" button to commit the configuration.

2) Manage Policy Rule

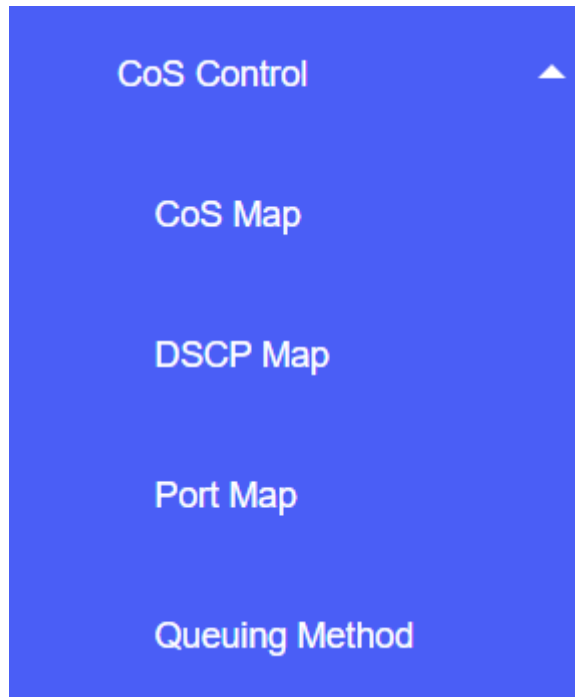
Delete All Refresh ☰					
Index	Type	Rule	Port	Para	Operation
1	Active	2000	all	-	Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page ▼

Click on the "Refresh" button to update the display information;
 Click the "Delete" button in the "Operation" column to delete the configuration;
 Click the "Delete All" button to delete all configurations.

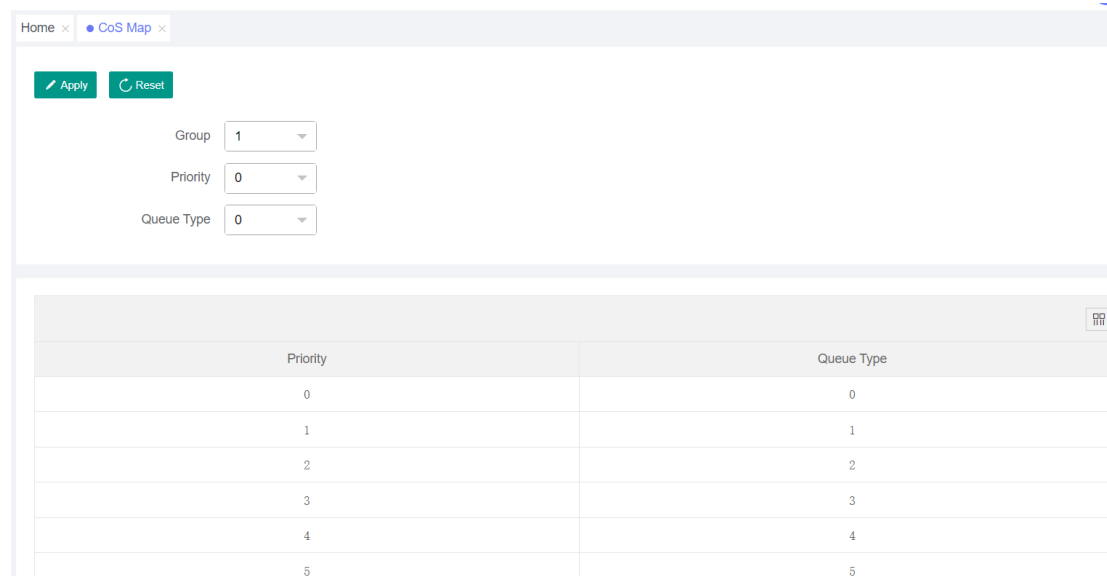
3.4.4 CoS Control

Click "Security Application">"Cos Control" to expand this setting, you can set CoS Map, DHCP Map, Port Map and Queuing Method.



CoS Map

Click "Security Application">"CoS Control">"CoS Map" to enter the CoS Map configuration page.



Priority	Queue Type
0	0
1	1
2	2
3	3
4	4
5	5

Group: Sets the group ID;

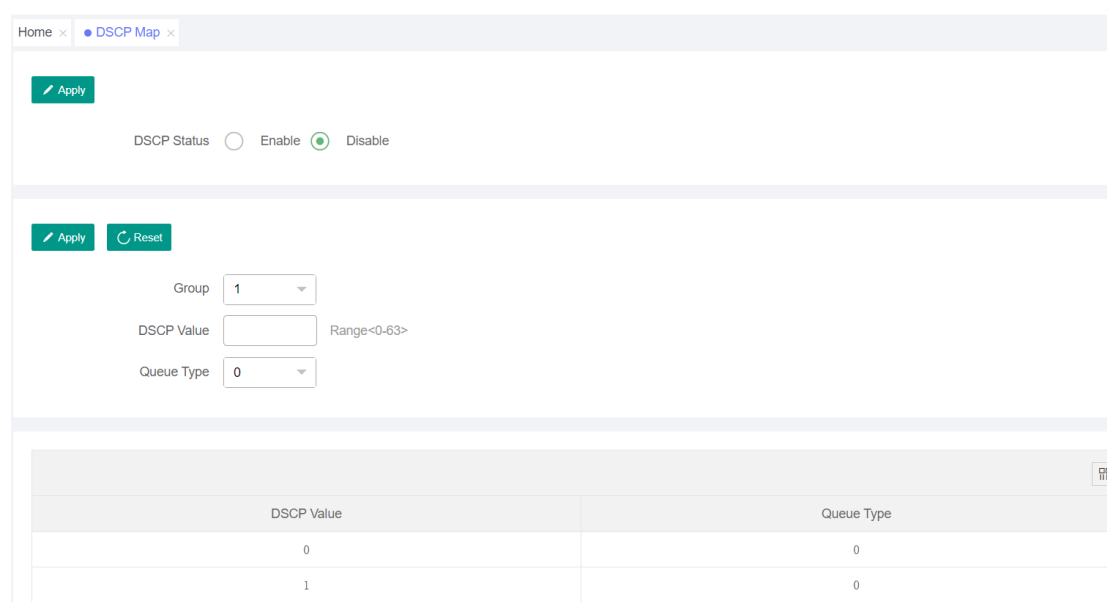
Priority: Sets the priority;

Queue type: Set the queue type;

After the above settings, click the "Apply" button to commit the configuration.

DSCP Map

Click "Security Application">"CoS Control">"DSCP Map" to enter the DSCP Map configuration page.



DSCP Value	Queue Type
0	0
1	0

Group: sets the group ID;

DSCP Value: sets the DSCP value;

Queue Type: set the queue type;

After the above settings, click the "Apply" button to commit the configuration.

Port Map

Click "Security Application">"CoS Control">"Port Map" to enter the Port Map configuration page.

Port	QueueMap Group	CoSMap Group	DSCPMap Group
e0/0/1	1	1	1
e0/0/2	1	1	1
e0/0/3	1	1	1

Port list: select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Group: Set the group ID;

Map Type: Set the mapping type;

After the above settings, click "Apply" button to commit the configuration.

Queuing Method

Click "Security Application">"CoS Control">"Queuing Method" to enter the Queuing Method configuration page.

Group: 1

Mode: SP

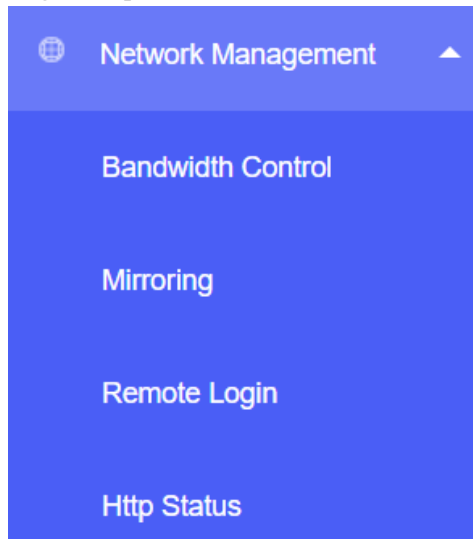
Group: Sets the group ID;

Mode: Set the mode;

After the above settings, click "Apply" button to commit the configuration.

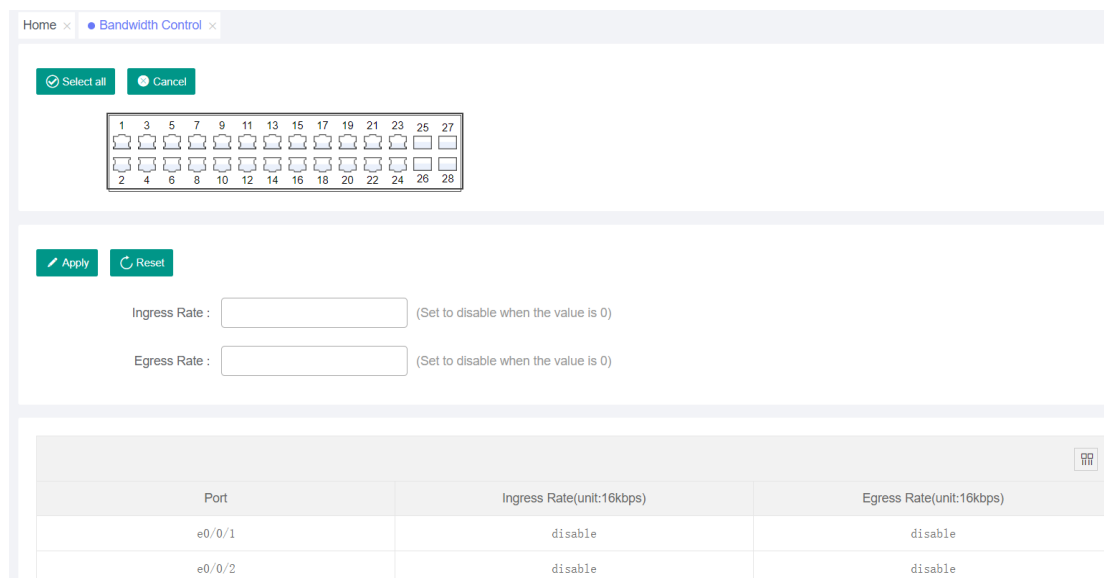
3.5 Network Management

Expand this setting item, you can make settings for Bandwidth Control, Mirroring, Remote Login, Http Status.



3.5.1 Bandwidth Control

Click "Network Management">"Bandwidth Control" to enter the Bandwidth Control configuration page.



Port List: Select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Ingress Rate: Set the ingress speed;

Egress Rate: Set the exit speed;

After the above settings, click "Apply" button to commit the configuration.

3.5.2 Mirroring

Click "Network Management">"Mirroring" to enter the Mirroring configuration page.

Home / Network / Mirroring

Home x Mirroring x

Select all Cancel

Please select the source port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Add Reset

Group: 1

Destination Port:

Direction: Ingress

Delete all Refresh

Port List: select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Group: Set the mirror group ID;

Destination Port: Set the destination port;

Direction: Set the direction;

After the above settings, click "Add" button to commit the configuration;

Click "Delete" button in the "Operation" column to delete the configuration;



Click "Refresh" button to update the display information;

Click the "Delete All" button to delete all configurations.

3.5.3 Remote Login



Click "Network Management">"Remote Login" to enter the Remote Login configuration page.

Home x Remote Login x

Telnet:

MAX User Limit:

SSH:



RSA KEY:

ECDSA KEY:

MAX User Limit:

SSH Port:

1) Configure Telnet

Telnet:

MAX User Limit:

Telnet: Set whether to enable Telnet function;

MAX User Limit: Set the maximum number of users;

After the above settings, click the "Apply" button to commit the configuration.

2) Configure SSH

SSH:

RSA KEY:

ECDSA KEY:

MAX User Limit:

SSH Port:

SSH: Set whether to enable SSH function;
 RSA key: Set whether to enable RSA key;
 ECDSA key: Set whether to enable ECDSA key;
 Maximum number of users: Set the maximum number of users;
 SSH port: Set the SSH port;
 After the above settings, click "Apply" button to commit the configuration.

3) Session maintenance

Index	name	Ip	Type	Operation
1	admin	192.168.1.111	Telnet	<input type="button" value="Delete"/>

> To Page All 1 Num

Click "Delete" button in the "Operation" column to delete the configuration;
 Click "Refresh" button to update the display information;
 Click the "Delete All" button to delete all configurations.

3.5.4 Http Status

Click "Network Management">"Http Status" to enter the Http Status configuration page.

Home × **Http Status** ×

Http Status: Https Http

Port:

Web Timeout: (60-3600)s

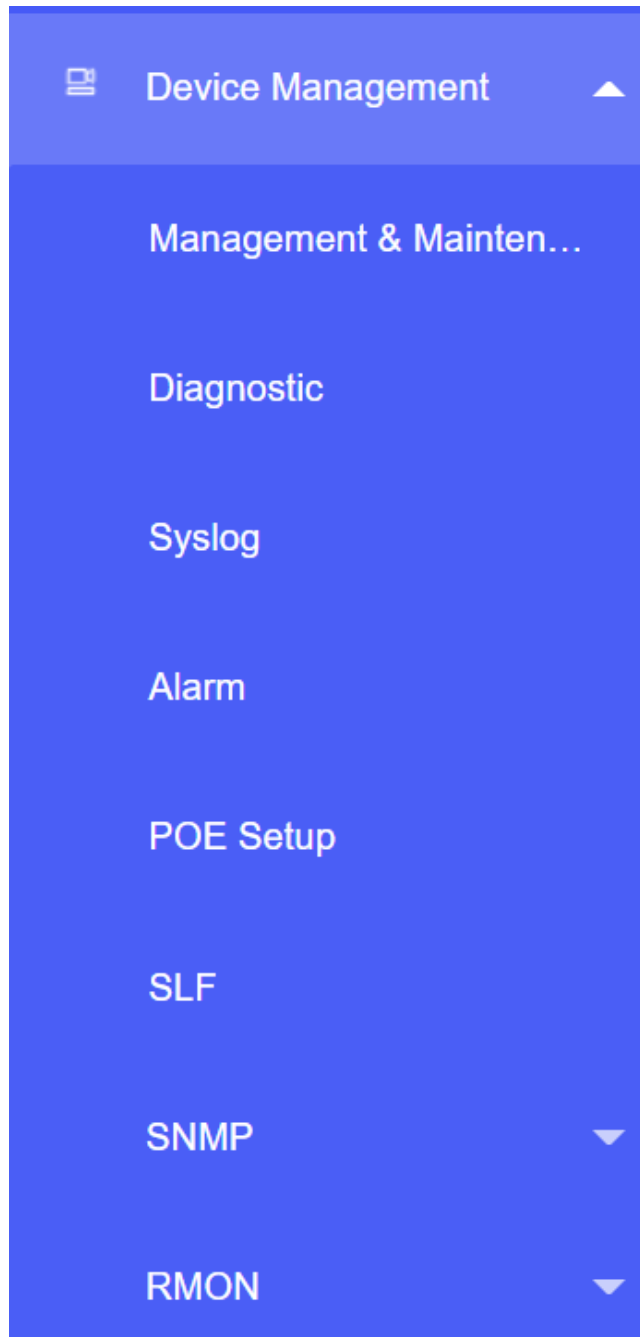
Http status: enable Https or Http;
 Port number: Set the port number;

Web timeout time: Set the timeout time;

After the above settings, select the "Apply" button to commit the configuration.

3.6 Device Management

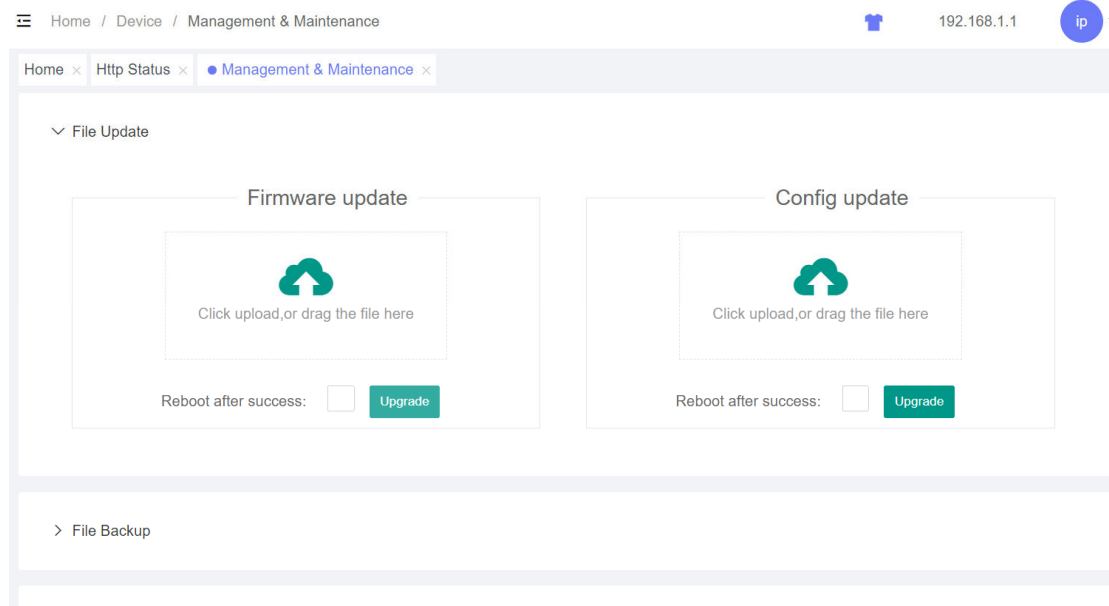
Expand this setting item, you can make settings for Management & Maintenance, Diagnostic, Syslog, Alarm, POE Setup, SLF, SNMP, RMON.



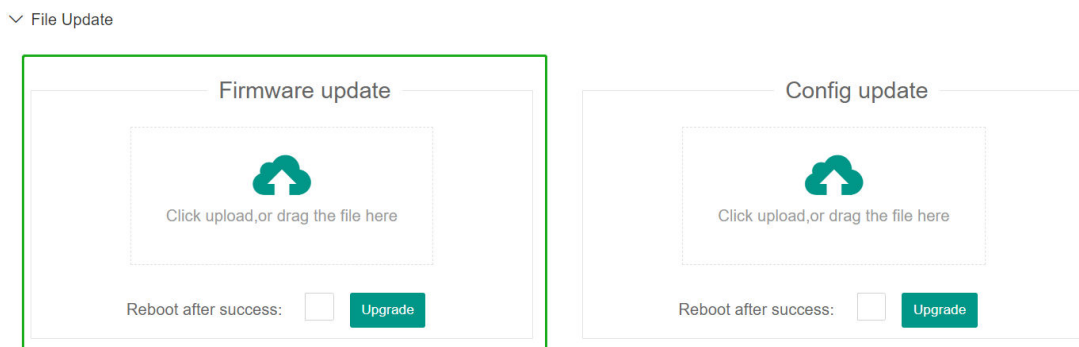
3.6.1 Management&Maintenance

Click "Device Management">"Management & Maintenance" to enter the "Management &

Maintenance" configuration page, you can update files, backup files, reboot the system, OAM diagnostics configuration;



1) Update files



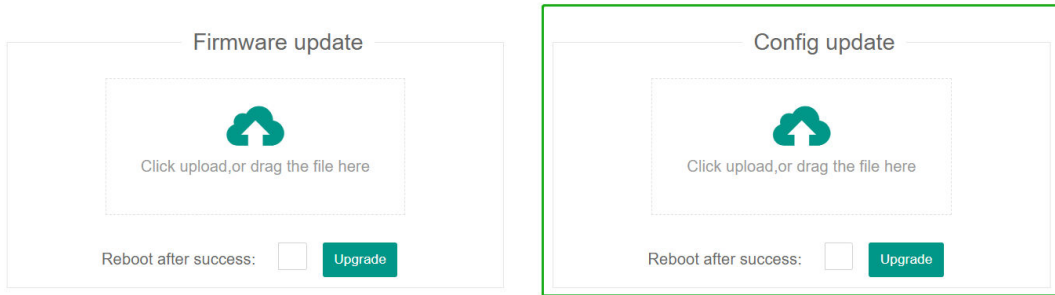
Firmware update

Click the "Click upload, or drag the file here" area under Firmware Update and follow the instructions;

Reboot after success: Set whether to reboot automatically after successful update;

After the above settings, click the "Upgrade" button to execute the firmware update.

File Update



Config update

Click on the "Click upload, or drag the file here" area below the profile update and follow the prompts;

Reboot after success: Set whether to reboot automatically after successful update;

After the above settings, click the "Upgrade" button to execute the configuration file update.

2) File Backup

File Backup



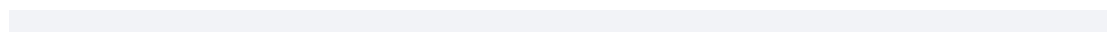
Config backup

Click on the "Config backup" button and follow the wizard;

Log backup

Click the "Log backup" button and follow the wizard;

3) Restart System



Restart System



Select restart type: Set reboot type. Restart , Restart With Factory Defaults;

After the above settings, click the "Apply" button to commit the configuration.

4) OAM Diag

∨ OAM Diag

Port:

Port: Set the port;

After the above settings, click the "Test" button to perform OAM diagnosis.

3.6.2 Diagnostic

Click "Device Management">"Diagnostic" to enter the "Diagnostic" configuration page

☰ Home / Device / Diagnostic

The screenshot shows a web interface for the Diagnostic configuration page. At the top, there are four tabs: Home, Diagnostic (selected), Syslog, and Alarm. Below the tabs is a large text area titled "System log" containing the following log entries:

```
00:08:56: %DEVICE-4-LINKUPDOWN: e0/0/23 LinkUp.  
00:08:00: %CMDLINE-6-COMMAND: (0) admin: configure terminal
```

At the bottom of the log area, there are two buttons: "Display" and "Clear".

Click the Display button to display the system log;

Click the Clear button to clear the system log.

3.6.3 Syslog

Click "Device Management">"Syslog" to enter the "Syslog" configuration page.

Home / Device / Syslog

Home × Diagnostic × Syslog × Alarm ×

Active

Server Address

Syslog Level

index	active	IP Address	Syelog Level	operation
No data				

Active: Enable/disable log uploading to the log server;
 Server Address: enter the IP address of the log server;
 Syslog Level: Select the log level to be uploaded to the log server;
 After the above configuration, click "Add" to commit the configuration.
 Click "Delete" button in the "Operation" column to delete the configuration.
 Click "Refresh" button to update the display information.

3.6.4 Alarm

Click "Device Management">"Alarm" to enter the "Alarm" configuration page.

Home x Alarm x

CPU Alarm:

Busy: Mbps %

UnBusy: Mbps %

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1) CPU Alarm Settings

CPU Alarm:

Busy: Mbps %

UnBusy: Mbps %

CPU Alarm: Enable/disable CPU alert.

Busy: Set the threshold when busy.

UnBusy Threshold: Set the threshold when it is not busy.

After the above settings, click "Apply" button to commit the configuration.

2) Port Alarm Settings

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enable:

Exceed Threshold:

Normal Threshold:

Please select a port: Select the configured ports;
 Click the "Select All" button to select all ports;
 Click the "Cancel" button to deselect the ports;
 Enable: Enable/disable port alarm;
 Exceed Threshold: Set the traffic excess threshold;
 Normal Threshold: Set the normal traffic threshold, which should be less than the excessive traffic threshold.

After the above settings, click "Apply" button to commit the configuration.

3) Information Maintenance

Port	Status	Exceed Threshold	Normal Threshold	Operation
e0/0/1	enable	850	600	<input type="button" value="delete"/>
e0/0/2	enable	850	600	<input type="button" value="delete"/>
e0/0/3	enable	850	600	<input type="button" value="delete"/>
e0/0/4	enable	850	600	<input type="button" value="delete"/>
e0/0/5	enable	850	600	<input type="button" value="delete"/>
e0/0/6	enable	850	600	<input type="button" value="delete"/>

Click on the "Refresh" button to update the display information;
 Click the "Delete" button in the "Operation" column to restore the default configuration;
 Click the "Delete All" button to restore the default configuration of all ports.

3.6.5 SLF

Click "Device Management">"SLF" to enter the "SLF" configuration page.

Home > SLF

Select All Cancel

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Apply Reset

Source MAC unknown message discarded:

Port List: Select ports;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Source MAC unknown message discarded: enable/disable the function;

After the above settings, click "Apply" button to commit the configuration.

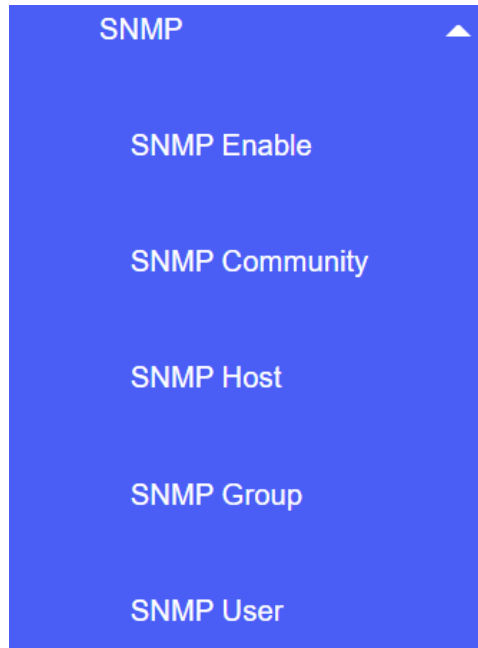
Click "Refresh" button to update the display information;

Click the "Delete" button in the "Operation" column to restore the default configuration;

Click the "Delete All" button to restore the default configuration.

3.6.6 SNMP

Click "Device Management">"SNMP" to expand this setting, you can configure Global SNMP, SNMP Community, SNMP Hosts, SNMP Groups, SNMP Users.



Global SNMP

Click "Device Management">"SNMP">"Global SNMP" to enter the "Global SNMP" configuration page.

Home / Device / SNMP / SNMP Enable

Home x SNMP Enable x

Apply Reset

Enable:

Name:

Contact:

Location:

Max-Packet-Length: Bytes

Local Engineid:

Notify-type: bridge gbn gbnsavectg interfaces rmon snmp

Apply Reset



Remote Engineid:

Remote Host IP:

udp-port:

1) SNMP Configuration

Home x ● SNMP Enable x

Enable:

Name:

Contact:

Location:

Max-Packet-Length: Bytes

Local Engineid:

Notify-type: bridge gbn gbnsavecfg interfaces rmon snmp

Enable: Enable/Disable the function.

Name: Set the switch system name;

Contact information: Set the administrator contact information;

Location: Set the location information



Max-Packet-Length: Set the maximum message length;

Local Engineid: Set the local engine ID;

Notify-type: Enable/Disable snmp trap;

After the above settings, click "Apply" button to commit the configuration.



2) Remote Engine Configuration


 

Remote Engineid:

Remote Host IP:

udp-port:

Index	Remote Engineid	IP	udp port	Operation
1	1234	192.168.1.111	162	

< 1 > To 1 Page Sure All 1 Num 10 Num / Page v

Remote Engineid: Set the remote engine ID;

Remote Host IP: Set the remote host IP;

udp-port: Set the remote udp port;

After the above settings, click "Apply" to commit the configuration.

Click "Refresh" button to update the display information;

Click "Delete" button in the "Operation" column to delete the information.

SNMP Community

Click "Device Management">"SNMP">"SNMP Community" to enter the "SNMP Community" configuration page.

Community Name	Access privilege	activation	Operation
public	Read-only	permit	Delete
private	Read-write	permit	Delete

Community: Set the group string;

Access privilege: Setting read and write permissions. read-only, read-write;

Activation: Set access rules;

After the above settings, click "Apply" button to commit the configuration.

Click "Refresh" button to update the display information;

Click "Delete" in the "Operation" column to delete the corresponding group information.

Click "Delete All" to delete all group information.

SNMP Host

Click "Device Management">"SNMP">"SNMP Host" to enter the "SNMP Host" configuration page.

Home x SNMP Host x

Apply Reset

Host IP:

Version: v1

Security name:

udp-port: 162

Notify-type: bridge gbn gbnsavecfg interfaces rmon snmp

Delete all Refresh

IP	Security name	udp-port	Version	Security Level	Notify type	Operation
192.168.1.111	11	162	v1		bridge gbn gbnsa	Delete

< 1 > To 1 Page Sure All 1 Num 10 Num / Page

Host IP: Set the trap host IP;

Version: Set the trap information version;

Security name: Set the security name;

Udp-port: Set the UDP port;

Notify-type: Set the notification type;

After the above settings, click "Apply" to commit the configuration.

Click "Refresh" button to update the display information;

Click "Delete" button in the "Operation" column to delete the information.

Click the "Delete All" button to delete all messages.

SNMP Group

Click "Device Management">"SNMP">"SNMP Group" to enter the "SNMP Group" configuration page.

Home / Device / SNMP / SNMP Group 192.168.1.10 ip

Home x SNMP Host x SNMP Group x

Apply Reset

Group name:

Security level: auth

Context Name:

Notify View-name:

Read View-name: iso

Write View-name:

Delete all Refresh

group name	Security level	Context name	Notify View-name	Read View-name	Write View-name	Operation
initial	noauthpriv	default value(NULL)	iso	iso	iso	Delete
initial	auth	default value(NULL)	iso	iso	iso	Delete

< 1 > To 1 Page Sure All 2 Num 10 Num / Page

Group name: Set the group name;
 Security level: sets the security level;
 Context name: sets the context;
 Notify view-name: sets the notification view;
 Read view-name: sets the view for read permissions;
 Write view-name: set the view for write permission;
 After the above settings, click "Apply" button to commit the configuration.

Click "Refresh" button to update the display information;
 Click the "Delete" button in the "Operation" column to delete the information;
 Click the "Delete All" button to delete all the information.

SNMP User

Click "Device Management">"SNMP">"SNMP User" to enter the "SNMP User" configuration page.

The screenshot shows the SNMP User configuration page. At the top, there are navigation tabs for 'Home' and 'SNMP User'. Below the tabs, there are 'Apply' and 'Reset' buttons. The configuration form includes the following fields:

- User name:
- Group name:
- Authentication:
- password:
- Privacy:
- password:
- Remote Enable:

Below the form, there is a table with the following columns: User name, Authentication, privacy, Group name, Remote id, and Operation. The table contains three rows of data:

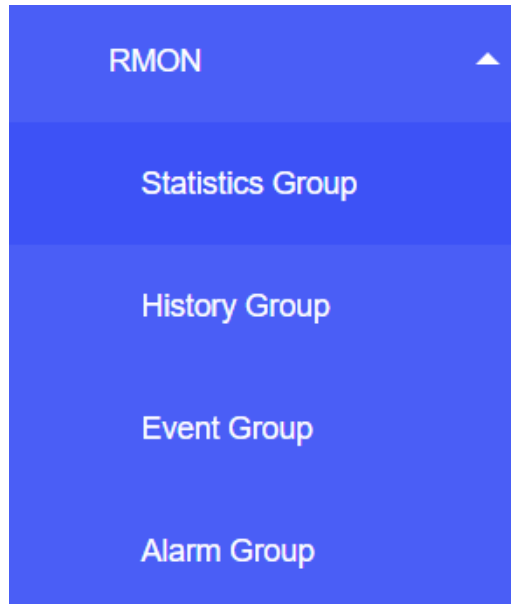
User name	Authentication	privacy	Group name	Remote id	Operation
initialmd5	MD5	nopri	initial	5436700000000000000000000000	Delete
initialsha	SHA	nopri	initial	5436700000000000000000000000	Delete
initialnone	Noauth	nopri	initial	5436700000000000000000000000	Delete

User name: Set the user name;
 Group name: Set the associated group;
 Authentication: Set the authentication method;
 Password: Set the password for authentication;
 Privacy: Set the privacy method;
 Password: set the password for privacy;
 Remote Enable: Set whether to be a remote user;
 After the above settings, click "Apply" to commit the configuration.

Click "Refresh" button to update the display information;
 Click "Delete" button in the "Operation" column to delete the information;
 Click the "Delete All" button to delete all the information.

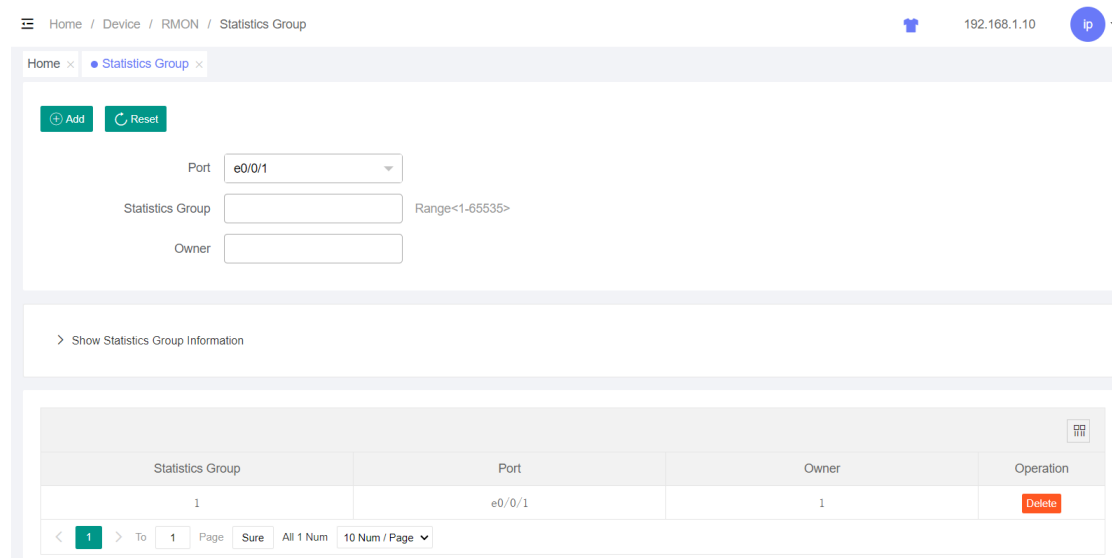
3.6.7 RMON

Click "Device Management">"RMON" to expand this setting, you can configure Statistics Group, History Group, Event Group, Alarm Group.



Statistics Group

Click "Device Management">"RMON">"Statistics Group" to enter the "Statistics Group" configuration page.



Port: Set the port number for statistics;

Statistics Group: Set the statistics group ID;

Owner: Set the owner name;

After the above settings, click "Add" to commit the configuration.

Click "Delete" button in the "Operation" column to delete the configuration.

In "Show Statistics Group Information", select a port and click "Display" button to view the

statistics group information.

History Group

Click "Device Management">"RMON">"History Group" to enter the "History Group" configuration page.

The screenshot shows the "History Group" configuration page. At the top, there is a breadcrumb trail: Home / Device / RMON / History Group. The page has a header with "Home" and "History Group" tabs, and a user profile icon labeled "ip". Below the header, there are "Add" and "Reset" buttons. The configuration fields are: "Port" (dropdown menu with "e0/0/1" selected), "History Group" (text input with range <1-65535>), "Buckets" (text input with range <1-65535>), "Sample Interval" (text input with range <(seconds) 1-3600>), and "Owner" (text input). Below the configuration fields, there is a section titled "> History Group Information". At the bottom, there is a table with the following data:

History Group	Port	Buckets	Sample Interval	Owner	Operation
1	e0/0/1	1	1	1	Delete

Port: Set the port number;

History group: Set the history group ID;

Buckets: Set the number of records;

Sample Interval: Set the time period;

Owner: Set the owner name;

After the above settings, click "Add" button to commit the configuration.

In the "Operation" column, click "Delete" to delete the configuration.

In "History Group Information", select a port and click "Display" button to view the history group information.

Event Group

Click "Device Management">"RMON">"Event Group" to enter the "Event Group" configuration page.

Home / Device / RMON / Event Group

Home > Event Group

Event Group: Range<1-65535>

Description:

Event Type:

Owner:

> RMON Event Log Information

Event Group	Description	Event Type	Trap Community	Owner	Operation
1	1	none		1	Delete

Event Group: set the event group ID;

Description: set the description information;

Event type: set the event type;

Sampling interval: sets the time period;

Owner: set the owner name;

After the above settings, click "Add" button to the configuration.

In the "Operation" column, click the "Delete" button to delete the configuration.

In the "RMON Event Log Information", configure the Log event group, and then click the "Show" button to view the information.

Alarm Group

Click "Device Management">"RMON">"Alarm Group" to enter the "Alarm Group" configuration page.

Home / Device / RMON / Alarm Group

Home > Alarm Group

Alarm Group: Range<1-65535>

Object ID: (e.g., 1.3.6.1.2.1.16.1.1.1.5.1)

Sampling Interval: (seconds) Range<2-3600>

Sampling Type:

Rising Threshold: Range<1-2147483647>

Rising Event Group: Range<1-65535>

Falling Threshold: Range<1-2147483647>

Falling Event Group: Range<1-65535>

Owner:

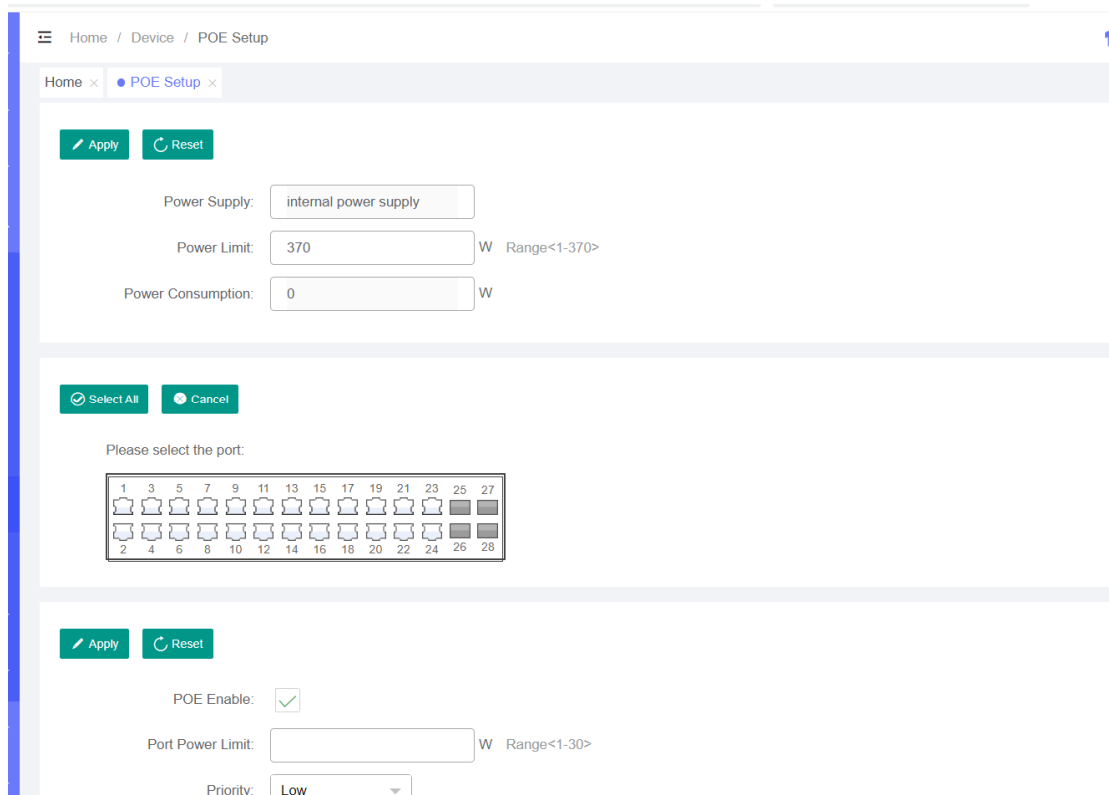
Alarm Group: Set the alarm group;

Object ID: Set the object OID;

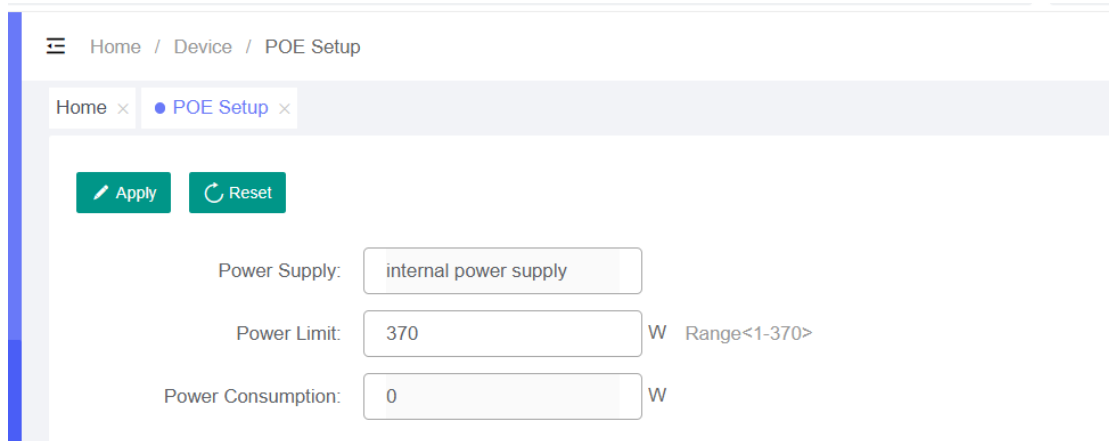
Sampling Interval: Set the time period;
 Sampling Type: Set the sampling type;
 Rising Threshold: Set the rising threshold;
 Rising Event Group: Set the rising event group;
 Falling threshold: Set the falling threshold;
 Falling event group: Set the falling event group;
 Owner: Set the owner name;
 After the above settings, click "Add" button to commit the configuration.
 In the "Operation" column, click the "Delete" button to delete the configuration.

3.6.8 PoE Setup

Click "Device Management">"PoE Setup" to enter the "PoE Setup" configuration page.



1) Maximum power configuration of the whole machine



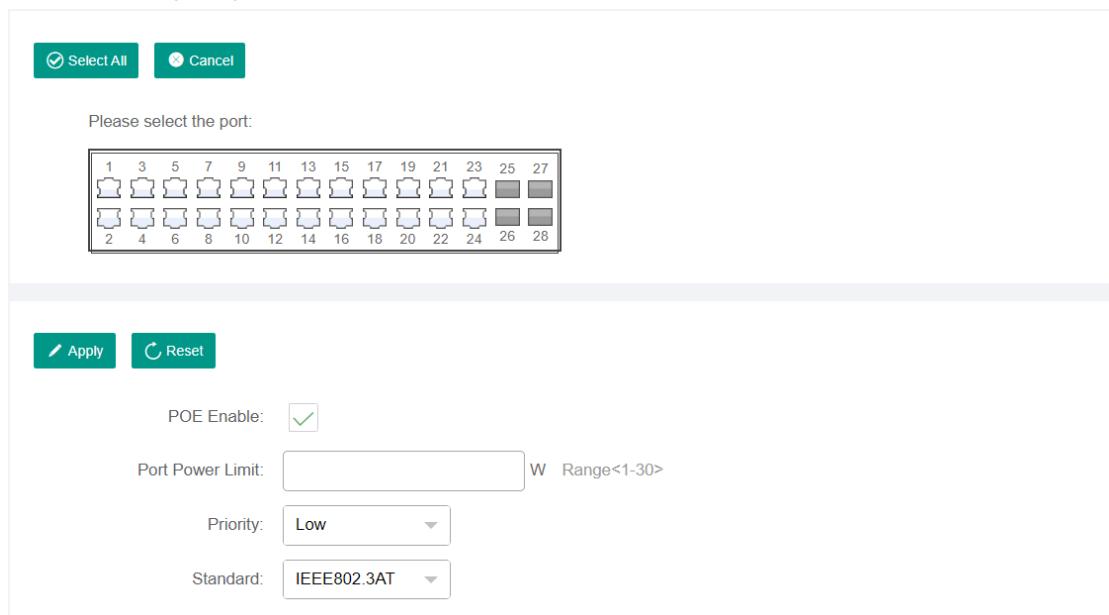
Power Supply: internal power supply;

Power Limit: Set the maximum power;

After the above settings, click "Apply" to commit the configuration.

Power consumption: Display the actual power consumption information;

2) Configuring Port Parameters



Please select the port: Select ports;

Click the "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

POE Enable: Enable or disable port PoE function;

Port Power Limit: Set the maximum power of the port;

Priority: set the PoE priority;

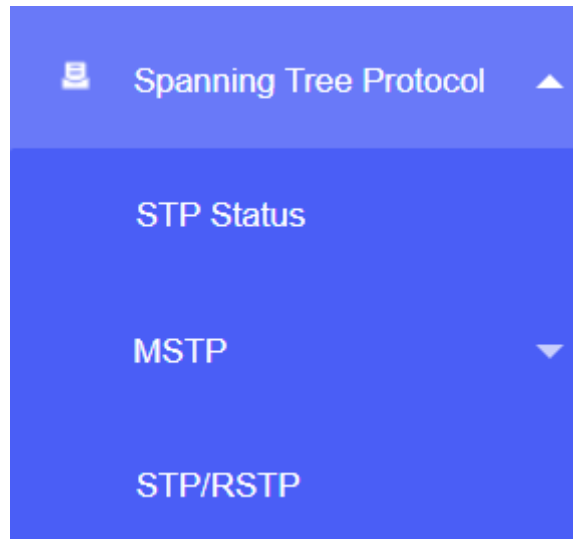
Standard: set the PoE standard;

After the above settings, click "Apply" button to commit the configuration.

Click "Refresh" button to update the display information.

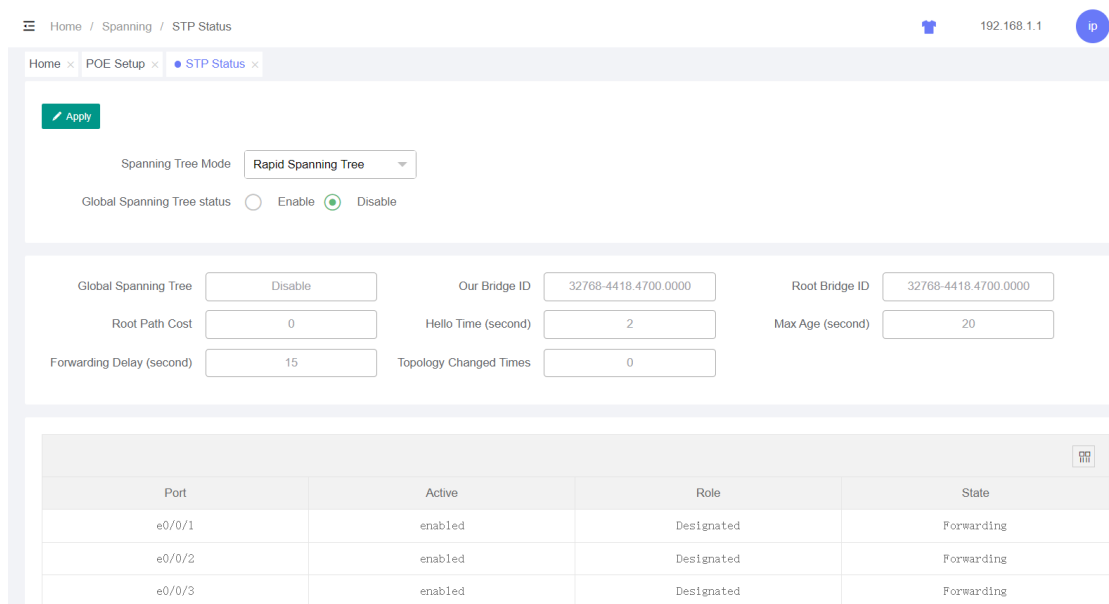
3.7 Spanning Tree Protocol

Expand this setting item, you can make settings for STP Status, MSTP,STP/RSTP .



3.7.1 STP Status

Click "Spanning Tree Protocol">"STP Status" to enter the "STP Status" configuration page.



Home > Spanning > STP Status

Apply

Spanning Tree Mode: Rapid Spanning Tree

Global Spanning Tree status: Enable Disable

Global Spanning Tree: Our Bridge ID: Root Bridge ID:

Root Path Cost: Hello Time (second): Max Age (second):

Forwarding Delay (second): Topology Changed Times:

Port	Active	Role	State
e0/0/1	enabled	Designated	Forwarding
e0/0/2	enabled	Designated	Forwarding
e0/0/3	enabled	Designated	Forwarding

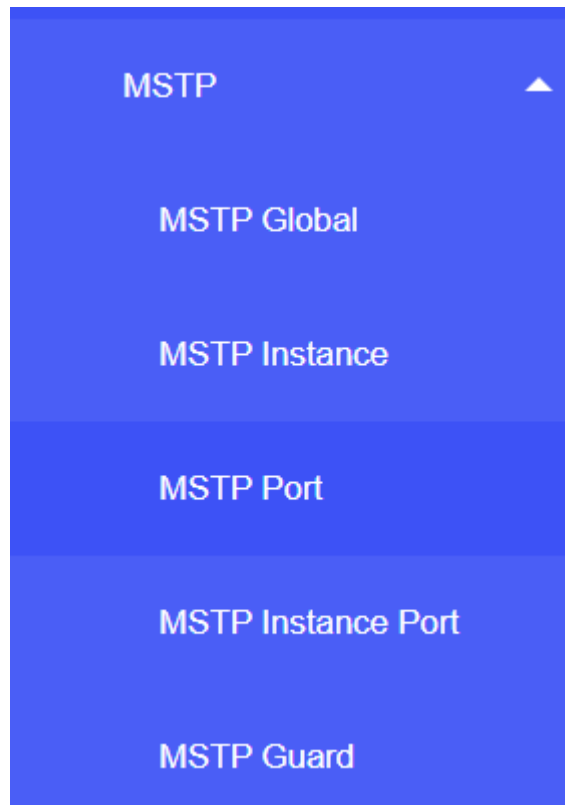
Spanning Tree Mode: set the spanning tree mode;

Global Spanning Tree Status: Set enable or off;

After the above settings, click the "Apply" button to commit the configuration.

3.7.2 MSTP

Click "Spanning Tree Protocol">"MSTP" to expand this setting, you can configure MSTP Global, MSTP Instance, MSTP Port, MSTP Instance Port, MSTP Guard function .



MSTP Global

Click "Spanning Tree Protocol">"MSTP">"MSTP Global" to enter the "MSTP Global" configuration page.

Home x MSTP Global x

Hello Time: (1-10)s

Max Age: (6-40)s

FwdDelay: (4-30)s

Time Factor: (1-10)s

Max Hop: (1-255)

Revision: (0-65535)

Region Name:

Hello Time: Set the send period;

Max Age: Set max-age;

FwdDelay: Set forward-time;

Time Factor: Set timeout-factor;

Max Hops: Set max-hops.

Revision: Set the domain correction level;

Region name: Set the domain name;

After the above settings, click "Apply" button to commit the configuration.

MSTP Instance

Click "Spanning Tree Protocol">"MSTP">"MSTP Instance" to enter the "MSTP Instance" configuration page.

Home / Spanning / MSTP / MSTP Instance 192.168.1.1

Home x MSTP Instance x

Apply **Reset**

Instance: 0

Bridge Priority: 32768

VLAN List: 1-4094

Refresh

Instance	Priority	Vlan list	Operation
0	32768	1-4094	Delete
1	32768		Delete
2	32768		Delete
3	32768		Delete
4	32768		Delete
5	32768		Delete
6	32768		Delete

1. Configure MSTP Instance

Apply **Reset**

Instance: 0

Bridge Priority: 32768

VLAN List: 1-4094

Instance : Select an instance number;
 Bridge Priority: Set the bridge priority;
 VLAN List: Set VLAN range;
 After the above settings, click the "Apply" button to commit the configuration.

2. Display Configuration Information

Refresh

Instance	Priority	Vlan list	Operation
0	32768	1-4094	Delete
1	32768		Delete
2	32768		Delete
3	32768		Delete
4	32768		Delete
5	32768		Delete
6	32768		Delete

In the "Operation" column, clicking the "Delete" button will restore the default configuration of the instance.

Click the Refresh button to update the display information.

MSTP Port

Click "Spanning Tree Protocol">"MSTP">"MSTP Port" to enter the "MSTP Port" configuration page.

Home / Spanning / MSTP / MSTP Port

Home x MSTP Port x

Select All Cancel

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Apply Reset

PortEnable:

Link-Type: auto

External Cost: External Cost default value

PortFast: autoedge

config-digest-snooping:

Refresh

Port	PortEnable	Link-Type	External Cost	PortFast	config-digest-snooping
------	------------	-----------	---------------	----------	------------------------

1. Configure MSTP Port Information

Select All Cancel

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Apply Reset

PortEnable:

Link-Type:

External Cost: External Cost default value

PortFast:

config-digest-snooping:

- Select Port: Select the port in the port table;
 - Click "Select All" button to select all ports;
 - Click "Cancel" button to deselect ports;
 - PortEnable: Set enable/disable;
 - Link-Type: Set the link type of the port;
 - External Cost default value: Set the external path cost; check "External Cost default value" to use the default value;
 - PortFast: set the edge port;
 - Config-digest-snooping: Cisco-compatible summary listening feature, enable or disable the feature;
- After the above settings, click "Apply" button to commit the configuration.

2. Displaying Configuration Information

Port	PortEnable	Link-Type	External Cost	PortFast	config-digest-snooping	Operation
e0/0/1	enabled	point-to-point	20000	disabled	disabled	Delete
e0/0/2	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/3	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/4	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/5	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/6	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/7	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/8	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/9	enabled	point-to-point	200000	disabled	disabled	Delete
e0/0/10	enabled	point-to-point	200000	disabled	disabled	Delete

In the Operation column, click the Delete button to restore the default configuration.
Click the Refresh button to update the display information.

MSTP Instance Port

Click "Spanning Tree Protocol">"MSTP">" MSTP Instance Port"to enter the " MSTP Instance Port" configuration page.

1. Configure MSTP Port Instance Information

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Instance:

Port Priority:

Internal Cost: Internal Cost default value

Please select the port: Select the port in the port table;
 Click the "Select All" button to select all ports;
 Click the "Cancel" button to cancel the selection of the port;
 Instance: Select an instance;
 Port Priority: Set the port instance priority.
 Internal Cost: Set internal path cost; Checking "Internal Cost default value" indicates using the default value;
 After the above settings, click the "Apply" button to commit the configuration.

2.Display Configuration Information

Port	Priority	Internal Cost	Operation
e0/0/1	128	20000	<input type="button" value="Delete"/>
e0/0/2	128	200000	<input type="button" value="Delete"/>
e0/0/3	128	200000	<input type="button" value="Delete"/>
e0/0/4	128	200000	<input type="button" value="Delete"/>
e0/0/5	128	200000	<input type="button" value="Delete"/>
e0/0/6	128	200000	<input type="button" value="Delete"/>
e0/0/7	128	200000	<input type="button" value="Delete"/>
e0/0/8	128	200000	<input type="button" value="Delete"/>
e0/0/9	128	200000	<input type="button" value="Delete"/>

In the "Operation" column, click the "Delete" button to restore the default configuration.

MSTP Guard

Click "Spanning Tree Protocol">"MSTP">"MSTP Guard" to enter the "MSTP Guard" configuration page.

After the above settings, click "Apply" button to commit the configuration.

2. Configuring Port MSTP Protection Information

Select All Cancel

Please select the port:

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Apply Reset

Bpdu-Guard: Bpdu-Filter:

loop-Guard: root-Guard:

Please select the port: Select the port in the port table;

Click "Select All" button to select all ports;

Click "Cancel" button to deselect ports;

Bpdu-Guard: Set enable or disable;

Bpdu-filter: Set enable or disable;

loop-Guard: Set enable or disable;

root-Guard: Set enable or disable;

After the above settings, click "Apply" button to commit the configuration.

3. Display Configuration Information

Refresh

Port	Bpdu-Guard	Bpdu-Filter	Loop-Guard	Root-Guard	Operation
e0/0/1	disabled	disabled	disabled	disabled	Delete
e0/0/2	disabled	disabled	disabled	disabled	Delete
e0/0/3	disabled	disabled	disabled	disabled	Delete
e0/0/4	disabled	disabled	disabled	disabled	Delete
e0/0/5	disabled	disabled	disabled	disabled	Delete
e0/0/6	disabled	disabled	disabled	disabled	Delete
e0/0/7	disabled	disabled	disabled	disabled	Delete
e0/0/8	disabled	disabled	disabled	disabled	Delete
e0/0/9	disabled	disabled	disabled	disabled	Delete

In the "Operation" column, click the "Delete" button to restore the default configuration.

Click the 'Refresh' button to update the displayed information.

3.7.3 STP/RSTP

Click "Spanning Tree Protocol">"STP/RSTP" to enter the "STP/RSTP" configuration page.

Home x STP/RSTP x

Bridge Priority

Hello Time Seconds

MAX Age Seconds

Forwarding Delay Seconds

Time Factor Seconds

1	3	5	7	9	11	13	15	17	19	21	23	25	27
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	4	6	8	10	12	14	16	18	20	22	24	26	28
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Active

Priority

Path Cost Path Cost Default Value

Link Type

Portfast Mode

1. Configure global information

Home x STP/RSTP x

Apply Reset

Bridge Priority

Hello Time Seconds

MAX Age Seconds

Forwarding Delay Seconds

Time Factor Seconds

Bridge priority: Set the bridging priority;

Hello Time: set hello time;

Max age: Set max age;

Forwarding delay: Set forward time;

Time factor: Set the time out factor;

After the above settings, click the "Apply" button to commit the configuration.

2. Configure Port Information

Select all Cancel

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52

Apply Reset

Active

Priority

Path Cost Path Cost Default Value

Link Type

Portfast Mode

Select Port: Select the port in the port table;

Click "Select All" button to select all ports;
 Click "Cancel" button to deselect ports;
 Active: Set enable/disable;
 Priority:Port priority.
 Path cost: set cost; Checking 'Path Cost Default Value' indicates using the default value;
 Link Type: Set the port link type;
 Portfast Mode: Set edge ports;
 After the above settings, click the "Apply" button to commit the configuration.

3.Display Configuration Information

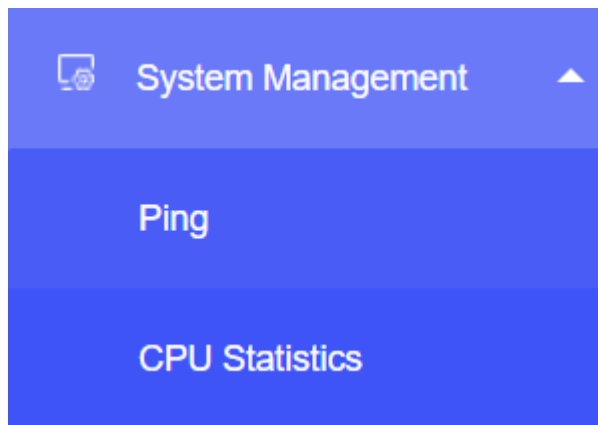
Port	Active	Priority	Path Cost	Link Type	Portfast Mode	Operation
e0/0/1	enabled	128	200000	shared	disabled	Delete
e0/0/2	enabled	128	200000	shared	disabled	Delete
e0/0/3	enabled	128	200000	shared	disabled	Delete
e0/0/4	enabled	128	200000	shared	disabled	Delete
e0/0/5	enabled	128	200000	shared	disabled	Delete
e0/0/6	enabled	128	200000	shared	disabled	Delete
e0/0/7	enabled	128	200000	shared	disabled	Delete
e0/0/8	enabled	128	200000	shared	disabled	Delete
e0/0/9	enabled	128	200000	shared	disabled	Delete
e0/0/10	enabled	128	200000	shared	disabled	Delete

< 1 2 3 ... 6 > To 1 Page Sure All 52 Num 10 Num / Page v

In the "Operation" column, click the "Delete" button to restore the default configuration.

3.8 System Management

Expand this setting item, you can make settings for Ping, CPU Statistics.



3.8.1 Ping

Click "System Management">"Ping" to enter the "Ping" configuration page.

Home / System / Ping

Home x Ping x

Start Reset

Ping Type: IPv4

Target Address: 192.168.1.111

Packet Number: 5 (1-2147483647)

Time Out: 1 Sec (1-60)

Stop Empty

Ping Information

```
Ping 192.168.1.111 of data
64 bytes from 192.168.1.111: ttl=128 time < 1ms
64 bytes from 192.168.1.111: ttl=128 time < 1ms
64 bytes from 192.168.1.111: ttl=128 time < 1ms
64 bytes from 192.168.1.111: ttl=128 time < 1ms
64 bytes from 192.168.1.111: ttl=128 time < 1ms
--- 192.168.1.111 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss
```

1. Ping operation

Ping Type: Set the Ping type, supporting IPv4 and IPv6;

Target Address: Set the destination address for Ping;

Packet Number : Set the number of data packets;

Time Out: Set the timeout time;

After the above settings, click the "Start" button to perform the Ping operation.

2. View Ping results

Display the ping results in the 'Ping Information'.

3. Interrupt Ping operation

Click the 'Stop' button to interrupt the ping operation.

4. Clear Ping information

Click the 'Empty' button to clear Ping information.

3.8.2 CPU Statistics

Click "System Management">"CPU Statistics" to enter the "CPU Statistics" configuration page.

Home / System / CPU Statistics 192.168.1.10

Home x CPU Statistics x Ping x

CPU Idle:

[Refresh](#)

Port	Packets	Broadca...	Multicasts	Unicasts	64B	128B	256B	512B	1024B	2048B	2048Over
e0/0/1	213	16	135	62	48	55	93	3	14	0	0
e0/0/2	0	0	0	0	0	0	0	0	0	0	0
e0/0/3	0	0	0	0	0	0	0	0	0	0	0
e0/0/4	0	0	0	0	0	0	0	0	0	0	0
e0/0/5	0	0	0	0	0	0	0	0	0	0	0
e0/0/6	0	0	0	0	0	0	0	0	0	0	0
e0/0/7	0	0	0	0	0	0	0	0	0	0	0
e0/0/8	0	0	0	0	0	0	0	0	0	0	0
e0/0/9	0	0	0	0	0	0	0	0	0	0	0
e0/0/10	0	0	0	0	0	0	0	0	0	0	0

This page allows to view CPU idle rate and port packet receiving statistics.

1. View CPU Statistics

CPU Idle :

2. View port packet receiving statistics

[Refresh](#)

Port	Packets	Broadca...	Multicasts	Unicasts	64B	128B	256B	512B	1024B	2048B	2048Over
e0/0/1	213	16	135	62	48	55	93	3	14	0	0
e0/0/2	0	0	0	0	0	0	0	0	0	0	0
e0/0/3	0	0	0	0	0	0	0	0	0	0	0
e0/0/4	0	0	0	0	0	0	0	0	0	0	0
e0/0/5	0	0	0	0	0	0	0	0	0	0	0
e0/0/6	0	0	0	0	0	0	0	0	0	0	0
e0/0/7	0	0	0	0	0	0	0	0	0	0	0
e0/0/8	0	0	0	0	0	0	0	0	0	0	0
e0/0/9	0	0	0	0	0	0	0	0	0	0	0
e0/0/10	0	0	0	0	0	0	0	0	0	0	0

Click the 'Refresh' button to update the statistical information.