

LINOVISION

# POE-SWR612GM -Solar

## User Manual

Updated on January 14, 2025

# Directory

Getting Start .....	1
Web-based Switch Configuration .....	4
Console Port Interface .....	5
1.System Config.....	6
1.1.System Homepage .....	6
1.2.Device Info .....	7
1.3.IP Config .....	7
1.3.1.IPv4 Config .....	7
1.3.2.IPv6 Config .....	8
1.4.Web Config.....	8
1.4.1.Web Timeout .....	8
1.4.2.HTTP .....	9
1.4.3.HTTPS.....	9
1.4.4.Security IP .....	9
1.4.5.ACL.....	10
1.5.User Management .....	10
1.5.1.User Management.....	10
1.5.2.Authentication Method.....	11
1.6.Firmware Upgrade.....	12
1.6.1.TFTP Service .....	12
1.6.2.FTP Service.....	13
1.6.3.HTTP Upgrade .....	13
1.7.Management Config .....	14
1.7.1.TFTP .....	14
1.7.2.HTTP .....	14
1.8.NTP.....	15
1.8.1.NTP Config .....	15
1.8.2.NTP Authentication Config .....	15
1.9.SNTP.....	16
1.9.1.Server Config.....	16
1.9.2.Time Zone Config.....	16
1.10.Device Management.....	17
1.10.1.Device Reboot/Reset .....	17
1.10.2.System Utilization.....	17
1.10.3.View System Config.....	17
1.10.4.View Logging Buffer .....	18
1.10.5.View Logging Flash .....	18
2.Monitor Management.....	19
2.1.SSH Config.....	19
2.2.Telnet Config.....	19
2.3.Port Statistics.....	20
2.4.DDMI Status .....	21

2.5.Ping.....	22
2.6.Traceroute.....	23
2.7.Cable Diagnostics.....	23
2.8.SNMP Config.....	24
2.8.1.Global Config.....	24
2.8.2.User Config .....	24
2.8.3.Group Config .....	25
2.8.4.Community Config.....	26
2.8.5.Trap Config.....	26
2.8.6.View Config.....	27
2.8.7.Security IP Config.....	27
2.8.8.SNMP Statistics.....	28
2.9.Onvif Config .....	28
2.9.1.Server Config.....	28
2.9.2.Detect Config .....	28
2.10.Loopback Detection .....	29
2.10.1.Port Mode.....	29
2.10.2.VLAN Loopback.....	30
2.10.3.Interval Time.....	30
2.10.4.Recovery Timeout .....	31
2.11.LLDP Config.....	31
2.11.1.Global Config .....	31
2.11.2.Port Config.....	32
2.11.3.TLV Config .....	33
2.11.4.Neighbor Info.....	34
3.Switch Config.....	34
3.1.Port Config.....	34
3.1.1.Port Config .....	34
3.1.2.Port 10G Mode(Specific).....	35
3.2.Port Mirror .....	36
3.3.Port Isolate.....	37
3.4.Port Channel .....	37
3.4.1.Port Channel Group .....	37
3.4.2.LACP .....	39
3.5.Jumbo Frame.....	39
3.6.Port Rate.....	40
3.7.Storm Control .....	41
3.8.MAC Address Config.....	42
3.8.1.Static MAC.....	42
3.8.2.Black Hole MAC.....	42
3.8.3.Aging-time .....	43
3.8.4.MAC Address List.....	44
3.9.AM.....	44
3.10.AAA .....	45

3.10.1.Radius .....	45
3.10.2.Radius Accounting .....	46
3.10.3.Tacacs .....	47
4.VLAN Config .....	49
4.1.VLAN Config .....	49
4.1.1.VLAN ID .....	49
4.1.2.Show VLAN .....	49
4.1.3.Port Config .....	49
4.2.GVRP Config .....	50
4.2.1.GVRP Config .....	50
4.2.2.GVRP Port .....	51
4.3.QINQ .....	51
4.3.1.Enable Dot1q Tunnel .....	51
4.3.2.Dot1q Tunnel TPID .....	52
4.4.Protocol VLAN .....	52
4.5.Voice VLAN .....	53
4.5.1.VLAN Config .....	53
4.5.2.Port Config .....	54
4.6.MAC VLAN .....	55
4.6.1.VLAN Config .....	55
4.6.2.VLAN Member .....	55
4.6.3.Port Config .....	56
5.DHCP Config .....	56
5.1.DHCP Server .....	56
5.1.1.Global Config .....	56
5.1.2.Create Address Pool .....	57
5.1.3.Dynamic Pool .....	57
5.1.4.Manual Pool .....	59
5.1.5.Default Gateway .....	59
5.1.6.DNS Server .....	60
5.1.7.Excluded Address .....	61
5.1.8.Packet Statistics .....	62
5.1.9.Client List .....	62
5.2.DHCP Snooping .....	62
5.2.1.Global Config .....	62
5.2.2.VLAN Config .....	63
5.2.3.Static User Binding .....	64
5.2.4.Helper-server Config .....	65
5.2.5.Port Binding .....	65
5.2.6.Trust Port .....	67
5.3.DHCP Relay Config .....	67
5.3.1.DHCP Relay Config .....	67
6.ACL Config .....	68
6.1.Time Range Config .....	68



6.2.IP ACL .....	69
6.2.1.IP Standard ACL .....	69
6.2.2.IP Extended ACL.....	70
6.3.MAC ACL .....	71
6.3.1.MAC Standard ACL .....	71
6.3.2.MAC Extended ACL.....	72
6.4.MAC-IP Extended ACL.....	73
6.5.ACL Binding.....	75
6.5.1.Binding Port.....	75
6.5.2.Binding Vlan.....	75
7.Ring Network.....	76
7.1.Spanning-tree .....	76
7.1.1.Global Properties .....	76
7.1.2.Instance Mapping .....	78
7.1.3.Instance Properties .....	79
7.1.4.Port Config .....	79
7.1.5.Port Instance.....	80
7.1.6.Status.....	81
7.2.ERPS.....	81
7.2.1.ERPS Ring Config.....	81
7.2.2.ERPS Instance Config.....	83
7.2.3.View ERPS Statistics .....	85
8.Route Config .....	86
8.1.Static Route.....	86
8.2.Routing Table .....	87
9.Multicast Manage.....	88
9.1.IGMP Snooping Config.....	88
9.1.1.Basic Config .....	88
9.1.2.Static Router Port .....	89
9.1.3.VLAN Config .....	89
9.1.4.Querier Config.....	90
9.1.5.Multicast Table.....	91
9.2.MLD Snooping Config.....	92
9.2.1.Basic Config .....	92
9.2.2.Static Router Port .....	93
9.2.3.VLAN Config .....	93
9.2.4.Querier Config.....	95
9.2.5.Multicast Table.....	96
10.QoS Config .....	96
10.1.Port Config.....	96
10.1.1.Trust Config.....	96
10.1.2.Weight Config.....	97
10.1.3.CoS-To-IntP Config.....	99
10.1.4.DSCP-To-IntP Config.....	99

10.1.5.Policy Config .....	100
10.2.Class-Map Config .....	101
10.2.1.Class-Map Config .....	101
10.2.2.Class-Map Rule Config.....	101
10.3.Policy-Map Config.....	105
10.3.1.Policy Name Config .....	105
10.3.2.Policy Class Config.....	106
10.3.3.Policy Mark Config.....	107
10.3.4.Policy Bandwidth.....	108
10.3.5.Policy VLAN .....	109
11.PoE Config.....	110
11.1.PoE Global Config.....	110
11.2.PoE Port Config.....	111
11.3.PD Alive .....	112
11.4.PoE Schedule.....	112
12.Cloud Settings.....	113
12.1 MQTT Configure.....	113

## Getting Start

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

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

### ● Power

Connecting to Power



Power down and disconnect the power cord before servicing or wiring a switch.



Do not disconnect modules or cabling unless the power is first switched off. The device only supports the voltage outlined in the type plate. Do not use any other power components except those specifically designated for the switch.



Disconnect the power cord before installation or cable wiring.

The switch is powered by the AC 100-240 V 50/60Hz internal high-performance power supply. It is recommended to connect the switch with a single-phase three-wire power source with a neutral outlet, or a multifunctional computer professional source.

Connect the AC power connector on the back panel of the switch to the external power source with the included power cord, and check the power LED is on.



Rear View AC Power Socket

## ● Connecting to the Network

To connect the switch to the network:

1. Connect an Ethernet cable to the Ethernet port of a computer
2. Connect the other end of the Ethernet cable to one of the numbered Ethernet ports of the switch. The LED of the port lights if the device connected is active.
3. Repeat Step 1 and Step 2 for each device to connect to the switch.



We strongly recommend using CAT-5E or better cable to connect network devices. When connecting network devices, do not exceed the maximum cabling distance of 100 meters (328 feet). It can take up to one minute for attached devices or the LAN to be operational after it is connected. This is normal behavior.

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

## ● Starting the Web-based Configuration Utility

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

### Browser Restrictions

- If you are using older versions of Internet Explorer, you cannot directly use an IPv6 address to access the device. You can, however, use the DNS (Domain Name System) server to create a domain name that contains the IPv6 address, and then use that domain name in the address bar in place of the IPv6 address.
- If you have multiple IPv6 interfaces on your management station, use the IPv6 global address instead of the IPv6 link local address to access the device from your browser.

### Launching the Configuration Utility

To open the web-based configuration utility:

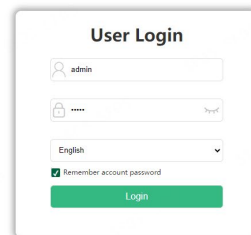
1. Open a Web browser.
2. Enter the IP address of the device you are configuring in the address bar on the browser (factory default IP address is 192.168.2.1) and then press Enter.



When the device is using the factory default IP address, its power LED flashes continuously. When the device is using a DHCP assigned IP

address or an administrator-configured static IP address, the power LED is lit a solid color. Your computer's IP address must be in the same subnet as the switch. For example, if the switch is using the factory default IP address, your computer's IP address can be in the following range: 192.168.2.x (whereas x is a number from 2 to 254).

After a successful connection, the login window displays.

A screenshot of a web-based login window titled "User Login". It features a username field with "admin" entered, a password field with masked characters and a "Show" toggle, a language dropdown menu set to "English", a checked "Remember account password" checkbox, and a green "Login" button at the bottom.

Login Window

## ● Logging In

The default username is admin and the default password is admin. The first time that you log in with the default username and password, you are required to enter a new password.

To log in to the device configuration utility:

1. Enter the default user ID (admin) and the default password (admin).
2. If this is the first time that you logged on with the default user ID (admin) and the default password (admin) it is recommended that you change your password immediately.

When the login attempt is successful, the System Information window displays.

Device Info			
Hostname	Switch	Device Type	POE-SWR612GM-SOLAR
CPU MAC Address	84-E5-D8-E1-4C-20	VLAN MAC Address	84-E5-D8-E1-4C-1F
IP Address	192.168.2.1	Uptime	0W 0D 00H:01M:06S
Serial Num	5522410310104	Software Version	V2005P10241125
Current System Time	Mon Nov 25 00:00:55 2024	Firmware Compile Date	2024-11-25 09:22:33

Port	Admin Status	Speed/Duplex		Flow Control	MDI
		Config	Actual		
		Ethernet1/0/1	Enabled		
Ethernet1/0/2	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/3	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/4	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/5	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/6	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/7	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/8	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/9	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/10	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/11	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/12	Enabled	Auto/Auto	Link Down	Disabled	Auto

## System Information

If you entered an incorrect username or password, an error message appears and the Login page remains displayed on the window. If you are having problems logging in, please see the Launching the Configuration Utility section in the Administration Guide for additional information.

## ● Logging Out

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

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

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

## Web-based Switch Configuration

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

For the purposes of this manual, the user interface is separated into four sections, as shown in the following figure:

LINOVISION Reboot Reset Save Logout

Collapse

Device Info			
Hostname	Switch	Device Type	POE-SWR612GM-SOLAR
CPU MAC Address	84-E5-D8-E1-4C-20	VLAN MAC Address	84-E5-D8-E1-4C-1F
IP Address	192.168.2.1	Uptime	0W 0D 00H:01M:06S
Serial Num	5522410310104	Software Version	V2005P10241125
Current System Time	Mon Nov 25 00:00:55 2024	Firmware Compile Date	2024-11-25 09:22:33

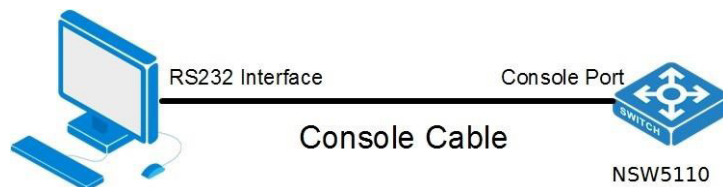
  

Port	Admin Status	Speed/Duplex		Flow Control	MDI
		Config	Actual		
Ethernet1/0/1	Enabled	Auto/Auto	1000M/Full	Disabled	Auto
Ethernet1/0/2	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/3	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/4	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/5	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/6	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/7	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/8	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/9	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/10	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/11	Enabled	Auto/Auto	Link Down	Disabled	Auto
Ethernet1/0/12	Enabled	Auto/Auto	Link Down	Disabled	Auto

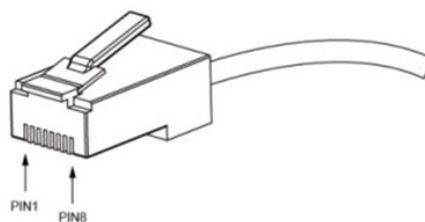
## Console Port Interface

The PoE smart switch has a monitor port(Console port). Rate 9600bps, standard RJ45 plug.

Use a dedicated monitoring cable to lead the port to the PC serial port connection, as follows:



The RJ45 connector used by the Console port is shown in the figure below, and the RJ45 plug corresponds to the RJ45 socket, from left to right numbered from 1 to 8.



This cable is used to connect the console port of the switch to the external monitoring terminal. One end of the RJ45 eight-pin plug, the other end is a 25-hole plug(DB25) and 9-hole plug(DB9), RJ45 head into the switch's console

port socket, DB25 and DB9 can be used according to the requirements of the terminal serial port, the cable internal connection schematic as follows:



## 1.System Config

### 1.1.System Homepage

The system homepage contains **Device Info** and **Port Status**

Device Info			
Hostname	Switch	Device Type	Switch
CPU MAC Address	84-E5-D8-E0-1F-5F	VLAN MAC Address	84-E5-D8-E0-1F-5E
IP Address	192.168.2.1	Uptime	0d 02h 48min 14s
Serial Num	PCMS328GF2110001E	Software Version	V300SP10230718
Current System Time	Tue Jul 18 02:48:07 2023	Firmware Compile Date	2023-07-18 10:01:02

Port	Admin Status	Speed/Duplex		Flow Control	MDI	Power(mW)	Monitor Status
		Config	Actual				
Ethernet1/0/1	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/2	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/3	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/4	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/5	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/6	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/7	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled
Ethernet1/0/8	Enabled	Auto/Auto	Link Down	Disabled	auto	0	Disabled

Click on **Device Info** or **Port Status** to enter the corresponding page.



## 1.2.Device Info

The Device Info page allows you to view device information and also set the Hostname, Device Contact, Device Location of the device and the Current System Time.

Device Info

Hostname	Switch
Device Contact	Default
Device Location	Default
Device Type	Switch
CPU MAC Address	84-E5-D8-E0-00-01
VLAN MAC Address	84-E5-D8-E0-00-00
IP Address	192.168.20.90
Client IP Address	192.168.20.121
Serial Num	UNPV102022010001
Software Version	V300SP10230911
BootRom Version	V2.00
Firmware Compile Date	2023-09-11 08:48:22
Uptime	0W 0D 00H:59M:31S
Current System Time	00 Hour   59 Min   23 Sec   2023 Year   09 Month   11 Day

<b>Hostname</b>	Fill in the new <b>Hostname</b> of the switch to be changed, 1-64 characters
<b>Device Contact</b>	Fill in the new <b>Device Contact</b> of the switch to be changed, 0-255 characters
<b>Device Location</b>	Fill in the new <b>Device Location</b> of the switch to be changed, 0-255 characters
<b>Current System Time</b>	Manually changing the current system time, When the switch restart will invalidate.

## 1.3.IP Config

### 1.3.1.IPv4 Config

The page can be used to configure IP address and subnet mask for the VLAN interface.

To display the "IPv4 Config" page, click System Config ->IP Config->IPv4 Config, click "Apply" to configure.

IPv4 Config

VLAN Interface	VLAN0001
IP Mode	Static IP
IP Address	<input type="text"/> Example:10.10.10.1
Netmask	<input type="text"/> Example:255.255.255.0

<input type="checkbox"/>	VLAN Interface	IP Mode	IP Address	Netmask
<input checked="" type="checkbox"/>	VLAN0001	Static IP	192.168.2.1	255.255.255.0

<b>VLAN Interface</b>	VLAN ID of layer 3 interface created
<b>IP Mode</b>	Static IP: User self-configuration Dynamic: DHCP-client Automatic acquisition
<b>IP Address</b>	IP Address, e.g. A.B.C.D
<b>Netmask</b>	Netmask: For example :255.255.255.0
<b>Operation</b>	Action: Apply/Delete

### 1.3.2.IPv6 Config

The page can be used to configure IPv6 address and subnet mask for the VLAN interface.

To display the “IPv6 Config” page, click System Config ->IP Config->IPv6 Config, click "Apply" to configure.

IPv6 Config

VLAN Interface	VLAN0001	
IPv6 Address		Example:2001::1234
Prefix-length		Example:48

[Apply](#)

Showing 10 Entries Showing 1 to 1 of 1 entries Search

No.	VLAN Interface	IPv6 Address
1	VLAN0001	fe80::8e5:d8ff:fee0:1f5e/64

[Delete](#) [First](#) [Previous](#) [1](#) [Next](#) [Last](#)

<b>VLAN Interface</b>	VLAN ID of layer 3 interface created
<b>IPv6 Address</b>	IPv6 Address, Example:2001::1234
<b>Prefix-length</b>	Prefix length is 3 to 127, Example :48
<b>Operation</b>	Action: Apply/Delete

## 1.4.Web Config

### 1.4.1.Web Timeout

The page can be used to configure Web Login Timeout time.

Login Timeout

Login Timeout	10	(1-60 minutes)
---------------	----	----------------

[Apply](#)

<b>Web Login Timeout</b>	Web Login Timeout: 1-60 minutes, default: 10 minutes
--------------------------	--

### 1.4.2.HTTP

HTTP Server Config module,the user can start or stop the HTTP service of the switch by using this module again.Default is On.

HTTP Server Config

HTTP Server Status  On

### 1.4.3.HTTPS

HTTPS Server Config module,the user can start or stop the HTTPS service of the switch by using this module again.Default is Off.

HTTPS Config

HTTPS Status  Off

HTTPS Config

HTTPS Status	<input checked="" type="checkbox"/> On	
HTTPS Protocol Port	443	(1025-65535,default 443)
Encryption Type	<input checked="" type="radio"/> aes256-sha <input type="radio"/> ecdhe-rsa-aes256-sha	

Apply

<b>HTTPS Protocol Port</b>	HTTPS Protocol Port: 1025-65535, default: 443
<b>Encryption Type</b>	Type: aes256-sha ecdhe-rsa-aes256-sha

### 1.4.4.Security IP

Login user security IP configuration module, where users can configure the security IPv4 address for login switch. Login methods include Telnet/HTTP/HTTPS.

Login user Security IP Set

To configure the trusted IP address for Telnet and HTTP/HTTPS login method

Security IP Address		Example:10.10.10.1
---------------------	--	--------------------

Apply

<input type="checkbox"/>	No.	Login user Security IPv4 List
--------------------------	-----	-------------------------------

Delete

<b>Security IP address</b>	Fill in the specified security IPv4 address	
<b>Operation</b>	Apply	Add address or list number
	Delete	Delete address or list number

## 1.4.5.ACL

Login user login access control list module, where users can configure the IPV4 access control list. Login methods include Telnet/SSH/Web.

Login Access Control List Set

Configure standard IP ACL protocol binding through Telnet/SSH/Web login

Access Control List	<input type="text" value=""/>	(1-64 string or number 1-299)
Binding Method	web <span style="font-size: x-small;">▼</span>	

Apply

Access Control List	Binding Method
---------------------	----------------

Delete

<b>IPv4 access control list</b>	Standard access control list number, scope 1-64 characters or number 1-99	
<b>Binding Method</b>	Binding Method include web/ssh/telnet/all	
<b>Operation</b>	Apply	Add address or list number
	Delete	Delete address or list number

## 1.5.User Management

### 1.5.1.User Management

User Management

Username	<input type="text" value=""/>	1-32 characters
Password	<input type="text" value=""/>	<input type="checkbox"/> Encrypted Text 1-32 characters
Priority	<input type="text" value=""/>	

Apply

<input type="checkbox"/>	No.	Username	Pasword	State	Priority
<input checked="" type="checkbox"/>	1	admin	admin	Plain Text	15

Delete

User Management module, users in this module can add or delete user operations.

<b>Username</b>	User name to operate ,1-32 characters
<b>Password</b>	User password, choose the password encryption, otherwise no encryption of 1-32 characters
<b>Priority</b>	Used to specify permission level.

WEB Privilege Config module, users can configure permissions for user accounts to login in the web.

WEB Privilege Config

Login Privilege Enable	Disabled ▼
Privilege Priority	15 ▼

Apply

<b>Login Privilege Enable</b>	Change the way users log in to web pages with permissions, When the user priority is lower than the privilege priority, it changes from being unable to log in to being able to log in to the web page but not configure information, and can only view the configuration. Default is disable.
<b>Privilege Priority</b>	Used to specify permission level, default level 15, only the user with the level that is equal to or higher than it can login in the switch by web.

### 1.5.2.Authentication Method

User Login Authentication Method Configure module, the user can configure console.vty.web authentication method used in login, authentication method can be any one or combination of Local.RADIUS and TACACS preferences from left to right when the login method is combined configuration. If the user has passed the authentication method, the authentication method of the lower preference is ignored. As long as you pass an authentication method, the user can log in.AAA functions and RADIUS servers should be configured before using RADIUS authentication.If local authentication is configured without configuring a local user, the user will be able to log on to the switch through the console method.

**User Login Authentication Method Configure**

Login Method	Console
Authentication Method1	None
Authentication Method2	None
Authentication Method3	None
Operation Type	Configuration

Login Method	Authentication Method1	Authentication Method2	Authentication Method3
console	local	None	None
vtty	local	None	None
web	local	None	None

Login method	Authentication method	
<b>Console</b>	<b>local</b>	Authentication using the local user account database
<b>Vty</b>	<b>radius</b>	Authentication using remote Radius server
<b>Web</b>	<b>tacacs</b>	Authentication using remote Tacas server
<b>Default</b>	Default console no authentication, vty and web local authentication	

Only when the console authentication mode is 'none', can the login authentication mode be configured.

Login Authentication	Disabled
Login Authentication Password	<input type="password" value="Encrypted Text 1-32 characters"/>

<b>Login Authentication</b>	Default is Disable.
<b>Login Authentication Password</b>	Login Authentication password, choose the password encryption, otherwise no encryption of 1-32 characters

## 1.6.Firmware Upgrade

### 1.6.1.TFTP Service

TFTP client service module, the user can upload or download files by TFTP way, and can upgrade the firmware of the switch by this method.

#### TFTP Service

Server IP Address	<input type="text"/>	Example:10.10.10.1
Server File Name	<input type="text"/>	1-100 characters, Example: nos.img
Operation Type	Upload	
Transmission Type	binary	

<b>Server IP address</b>	TFTP address IP peer server, point decimal	
<b>Server File name</b>	Source name to upload or download ,1-100 characters	
<b>Operation type</b>	Upload	Upload upgrade files from the switch to the TFTP server
	Download	Download upgrade files from TFTP server to switch
<b>Transmission type</b>	Binary	Transfer files in binary format (default)
	ASCII	Transfer files in ascii format

### 1.6.2.FTP Service

FTP client service module, the user can upload or download files by FTP way, and can upgrade the firmware of the switch by this method.

#### FTP Service

Server IP Address	<input type="text"/>	Example:10.10.10.1
Username	<input type="text"/>	1-100 characters
Password	<input type="text"/>	1-100 characters
Server File Name	<input type="text"/>	1-100 characters, Example: nos.img
Operation Type	Upload	
Transmission Type	binary	

<b>Server IP Address</b>	FTP address IP peer server, point decimal	
<b>Username</b>	FTP server-to-server username ,1-100 characters	
<b>Password</b>	FTP server-side user password 1-100 characters	
<b>Server File Name</b>	Source name to upload or download ,1-100 characters	
<b>Operation Type</b>	Upload	Upload upgrade files from the switch to the TFTP server
	Download	Download upgrade files from TFTP server to switch
<b>Transmission Type</b>	Binary	Transfer files in binary format (default)
	ASCII	Transfer files in ascii format

### 1.6.3.HTTP Upgrade

HTTP Upgrade module, the user can select file by HTTP way, and can upgrade the firmware of the switch by this method.

Select File

Decompress the package and select the img file for upgrade.

## 1.7.Management Config

### 1.7.1.TFTP

TFTP module, the user can import or export switch configuration by tftp.

**Import Configuration**

Server IP Address	<input type="text"/>	Example:10.10.10.1
Server File Name	<input type="text"/>	1-100 characters, Example: startup.cfg
Transmission Type	binary	

**Export Configuration**

Server IP Address	<input type="text"/>	Example:10.10.10.1
Server File Name	<input type="text"/>	1-100 characters, Example: startup.cfg

<b>Server IP Address</b>	TFTP address IP peer server, point decimal	
<b>Server File Name</b>	Source name to upload or download ,1-100 characters	
<b>Transmission Type</b>	Binary	Transfer files in binary format (default)
	ASCII	Transfer files in ascii format

### 1.7.2.HTTP

HTTP module, the user can **Download** or **Upload** switch **Running Configuration** or **Startup Configuration** by http.

**HTTP Upload or Download File**

Operation Type	Download	
File Type	Running Configuration	

<b>Operation Type</b>	Download	To download files
	Upload	To upload files
<b>File Type</b>	Running Configuration	Switch running configuration
	Startup Configuration	Switch startup configuration



## 1.8.NTP

### 1.8.1.NTP Config

NTP Config module, user can NTP service global switch operation.

NTP Global Config

NTP Global Config
 Off

<b>NTP Global config Operation</b>	Off	Close operation(default)
	On	Start

NTP the server configuration module, the user can configure the specified time server of the switch time source in this module.

NTP Server Config

Server Address	<input type="text"/>	IP address type,for example:10.10.10.1
Version	<input type="text"/>	Version Range:1-4
Key ID	<input type="text"/>	Key ID Range:1-4294967295

Apply

Showing 10 Entries Showing 1 to 1 of 1 entries Search

	No.	Server Address	Version	Key ID
<input type="checkbox"/>	1	162.159.200.123	4	0

Delete 
First
Previous
1
Next
Last

<b>Server address</b>	The specified time server address decimal point	
<b>Version</b>	Version number, range 1-4, default 4	
<b>Key ID</b>	Secret key value, range 1-4294967295	
<b>Operation</b>	Apply	Add operations
	Delete	Delete operations

### 1.8.2.NTP Authentication Config

NTP verification configuration module, the user can configure the switch NTP authentication related items.

NTP Authentication Config

NTP Authentication Function	<input type="text" value="Disabled"/>	
Key ID	<input type="text"/>	Key ID Range:1-4294967295
MD5 For Key ID	<input type="text"/>	1-16 Characters ASCII

Apply

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	No.	Key ID	MD5 For Key ID
0 results found.			

Delete 
First
Previous
Next
Last

<b>NTP authenticate switch</b>	Disable	Close NTP validation (default)
	Enable	Enable NTP validation
<b>Key ID</b>	Secret key value, range 1-4294967295	
<b>MD5 For Key ID</b>	The MD5 value of the secret key, which ranges from 1-16 of ascii code	
<b>Operation</b>	Apply	Add operations
	Delete	Delete operations

## 1.9.SNTP

### 1.9.1.Server Config

SNTP the server settings module, the user can add or delete the specified time server as the clock source.

SNTP Server Config

Server Address	<input type="text"/>	IP address type,for example:10.10.10.1
Version	<input type="text"/>	Version Range:1-4
<input type="button" value="Apply"/>		

<input type="checkbox"/>	No.	Server Address	Version	State
<input type="button" value="Delete"/>				

<b>Server address</b>	The specified time server address decimal point	
<b>Version</b>	Version number, range 1-4, default 4	
<b>Operation</b>	Apply	Add operations
	Delete	Delete operations

### 1.9.2.Time Zone Config

SNTP the time zone and UTC time difference setting module where the client is located, the user can set the switch's current time zone and name it.

Time Zone Config

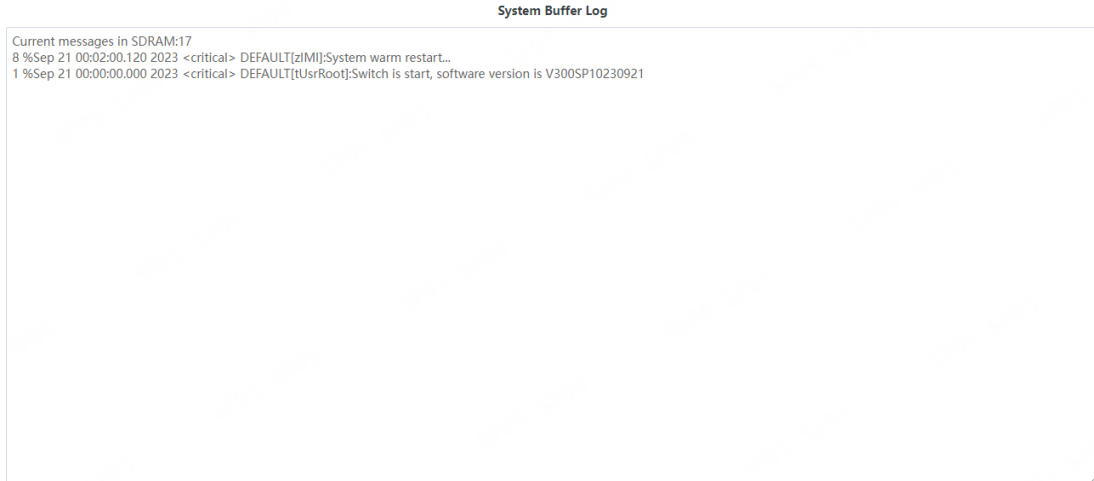
Time Zone	<input type="text" value="UTC"/>	(1-16 character)
Time Difference	<input checked="" type="radio"/> After-utc <input type="radio"/> Before-utc	
Time Value	<input type="text" value="00"/>	<input type="text" value="00"/> Range:0-23,0-59
Operation Type	Add	
<input type="button" value="Apply"/>		

<b>Time zone</b>	Time zone name ,1-16 characters	
<b>Time difference</b>	After-utc	Increased time zone behavior
	Before-utc	Reduced time zone behavior
<b>Time value</b>	Time zone specific change hours 0-23	Time zone specific change minute value 0-59



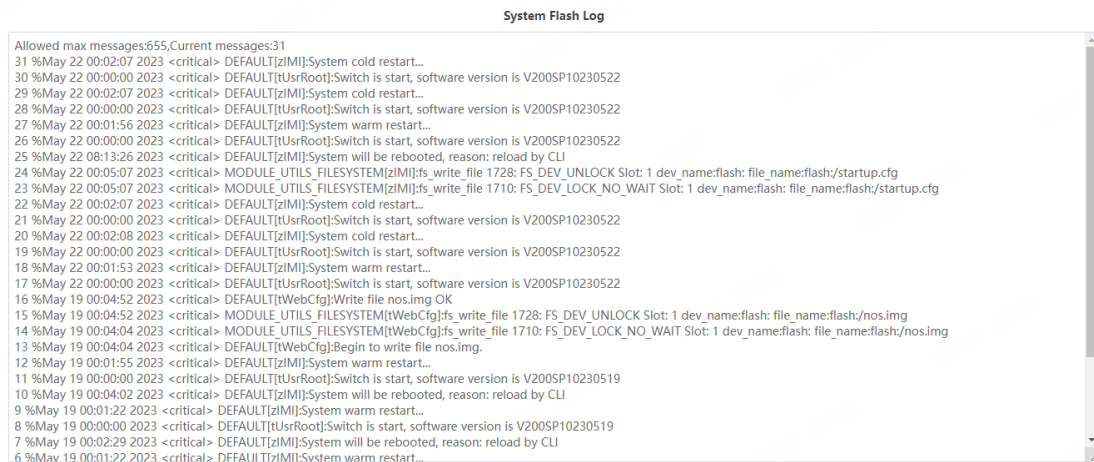
### 1.10.4.View Logging Buffer

This module is used to display system logging information in the current system run.



### 1.10.5.View Logging Flash

This module is used to display system flash log information in the current system run.



## 2. Monitor Management

### 2.1. SSH Config

SSH Config module, the user can configure the SSH status and SSH timeout.

SSH Config

Enabled  Off

---

SSH Config

Enabled  On

---

SSH Server Configuration

Timeout Time	180	(10-600s, Default:180s)
Maximum Connection	5	(1-16, Default:5)

Apply

<b>Enabled Operation</b>	Off: Close operation(default)	
	On: Start	
<b>Timeout Time</b>	Timeout of exit SSH login status ,10-600 seconds (default 180 s)	
<b>Maximum Connection</b>	Maximum number of connections logged in by SSH, range 1-16(default 5)	
<b>Operation</b>	Apply	Add operations

### 2.2. Telnet Config

Telnet server status module, where users can enabled on or off login switches by Telnet.

Telnet Server State

Enabled  On

Telnet connect the maximum number module, the user can configure the maximum number of connections to the switch by Telnet.

Maximum Connection

Telnet Connection Number	5	(1-16, Default:5)
--------------------------	---	-------------------

Apply

<b>Telnet access connection number</b>	Maximum number of connections logged in by Telnet, range 1-16(default 5)	
<b>Operation</b>	Apply	Add operations

## 2.3.Port Statistics

This page displays port statistics information.

Port Statistics

<input type="checkbox"/>	PORT	Link Status	Rate(Bps) (R/T)	Rate(pps) (R/T)	unicast packets (R/T)	multicast packets (R/T)	broadcast packets (R/T)	input errors	output errors	CRC (R)	frame alignment (R)	overrun (R)	ignored (R)	abort (R)	length error (R)	undersize (R)	jabber (R)	fragments (R)	collisions (T)	late collisions (T)
<input type="checkbox"/>	Ethernet1/0/1	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/2	Connected	0/1884	0/2	148.0/367.0	2.0/194678.0	0.0/16824.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/3	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/4	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/5	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/6	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/7	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/8	Disconnect	941/91	1/0	0.0/0.0	172.0/29.0	88.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/9	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/10	Connected	528/204	1/0	5661.0/7712.0	5416.0/58820.0	8814.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/11	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/12	Disconnect	0/0	0/0	0.0/0.0	167.0/11.0	80.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/13	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/14	Disconnect	0/0	0/0	48061.0/55055.0	3887.0/57351.0	7883.0/3.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/15	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/16	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/17	Connected	1555/1592	2/2	115164.0/117485.0	116460.0/114824.0	350.0/5272.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/18	Connected	846/1024	1/1	300.0/222.0	115873.0/112437.0	4.0/1380.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/19	Connected	824/890	1/1	2225.0/217.0	116522.0/116130.0	34.0/10116.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/20	Disconnect	0/0	0/0	41.0/77.0	38934.0/37839.0	0.0/57.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/21	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/22	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/23	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/24	Connected	28/495	0/1	3204.0/3408.0	62.0/33362.0	125.0/65.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/25	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/26	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/27	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Ethernet1/0/28	Disconnect	0/0	0/0	0.0/0.0	0.0/0.0	0.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Port-Channel1	Connected	3225/3506	4/5	235460.0/236002.0	775578.0/762460.0	776.0/33650.0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/>	Port-Channel2	Connected	528/204	1/0	5661.0/7712.0	5416.0/58820.0	8814.0/0.0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Port</b>	physical ports
<b>Link Status</b>	Link Status: Connected; Disconnect
<b>Rate(bps) (R/T)</b>	Rate(bps): Received/Transmit;
<b>Rate(pps) (R/T)</b>	Rate(pps): Received/Transmit;
<b>Unicast packets(R/T)</b>	Unicast packets: Received/Transmit;
<b>multicast packets(R/T)</b>	multicast packets: Received/Transmit;
<b>brocast packets(R/T)</b>	brocast packets: Received/Transmit;
<b>Input errors</b>	Input erros
<b>output errors</b>	Output erros

<b>CRC(R)</b>	CRC(Cyclic Redundancy Check) Received;
<b>frame alignment (R)</b>	Frame Alignment Received;
<b>overrun (R)</b>	Overrun Received;
<b>ignored (R)</b>	Ignored Received;
<b>abort (R)</b>	Abort Received;
<b>length error (R)</b>	Length error Received;
<b>undersize (R)</b>	Undersize Received;
<b>jabber (R)</b>	Jabber Received;
<b>fragments (R)</b>	Fragments Received;
<b>collisions (T)</b>	Collisions Transmit;
<b>late collisions (T)</b>	Late Collisions Transmit;
<b>pause frame (R/T)</b>	Pause Frame Received/Transmit;
<b>Refresh</b>	Refresh Port Statistics
<b>Delete</b>	Select the port and click delete to clear Port Statistics

## 2.4.DDMI Status

This page displays fiber module information.

Fiber Module Table

Port	Vendor Name	Part Number	TX Power (dBm)	RX Power (dBm)	Temperature (°C)	Voltage (V)	Bias (mA)
Ethernet1/0/25	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet1/0/26	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet1/0/27	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet1/0/28	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Refresh

Fiber Module Table

Port	Vendor Name	Part Number	TX Power (dBm)	RX Power (dBm)	Temperature (°C)	Voltage (V)	Bias (mA)
Ethernet1/0/25	OEM	SFP-1.25G-BX10U	-6.05	-40.00(A-)	7	3.31	19.46
Ethernet1/0/26	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet1/0/27	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ethernet1/0/28	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Refresh

<b>Port</b>	fiber ports
<b>Temperature (°C)</b>	Display the temperature of the fiber module
<b>Bias (mA)</b>	Display the Bias of the fiber module.
<b>RX Power (dBm)</b>	Display the RX Power of the fiber module.
<b>TX Power (dBm)</b>	Display the TX Power of the fiber module.

## 2.5.Ping

The user can run ping command.

Ping

Server address

Apply

Ping Result



## 2.6.Traceroute

The user can run route tracking command.

Traceroute

Server address

Traceroute Result

## 2.7.Cable Diagnostics

This chapter can be used to detect port link lines.

To display the “Cable Diagnostics” page, click Monitor Management ->Cable Diagnostics, click "Apply" to configure.

Cable Diagnostics

<input type="checkbox"/>	Port	Test Result	Description	Cable Length(meters)
<input type="checkbox"/>	Ethernet1/0/1	-	-	-
<input type="checkbox"/>	Ethernet1/0/2	-	-	-
<input type="checkbox"/>	Ethernet1/0/3	-	-	-
<input type="checkbox"/>	Ethernet1/0/4	-	-	-
<input type="checkbox"/>	Ethernet1/0/5	-	-	-
<input type="checkbox"/>	Ethernet1/0/6	-	-	-
<input type="checkbox"/>	Ethernet1/0/7	-	-	-
<input type="checkbox"/>	Ethernet1/0/8	-	-	-
<input type="checkbox"/>	Ethernet1/0/9	-	-	-
<input type="checkbox"/>	Ethernet1/0/10	-	-	-
<input type="checkbox"/>	Ethernet1/0/11	-	-	-
<input type="checkbox"/>	Ethernet1/0/12	-	-	-
<input type="checkbox"/>	Ethernet1/0/13	-	-	-
<input type="checkbox"/>	Ethernet1/0/14	-	-	-
<input type="checkbox"/>	Ethernet1/0/15	-	-	-
<input type="checkbox"/>	Ethernet1/0/16	-	-	-
<input type="checkbox"/>	Ethernet1/0/17	-	-	-
<input type="checkbox"/>	Ethernet1/0/18	-	-	-
<input type="checkbox"/>	Ethernet1/0/19	-	-	-
<input type="checkbox"/>	Ethernet1/0/20	-	-	-
<input type="checkbox"/>	Ethernet1/0/21	-	-	-
<input type="checkbox"/>	Ethernet1/0/22	-	-	-
<input type="checkbox"/>	Ethernet1/0/23	-	-	-
<input type="checkbox"/>	Ethernet1/0/24	-	-	-

### Cable Diagnostics

<input type="checkbox"/>	Port	Test Result	Description	Cable Length(meters)
<input type="checkbox"/>	Ethernet1/0/1	Disconnect	Please check whether the network cable is connectedAbnormal	(1, 2) 1 (3, 6) 1 (4, 5) 2 (7, 8) 1
<input type="checkbox"/>	Ethernet1/0/2	Normal	Normal(Correctly terminated pair)	(1, 2) 1 (3, 6) 1 (4, 5) 1 (7, 8) 1
<input type="checkbox"/>	Ethernet1/0/3	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 2 (3, 6) 2 (4, 5) 1 (7, 8) 2
<input type="checkbox"/>	Ethernet1/0/4	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 2 (3, 6) 2 (4, 5) 2 (7, 8) 1
<input type="checkbox"/>	Ethernet1/0/5	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 2 (3, 6) 2 (4, 5) 2 (7, 8) 1
<input type="checkbox"/>	Ethernet1/0/6	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 2 (3, 6) 2 (4, 5) 2 (7, 8) 1
<input type="checkbox"/>	Ethernet1/0/7	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 1 (3, 6) 1 (4, 5) 2 (7, 8) 2
<input type="checkbox"/>	Ethernet1/0/8	Disconnect	Please check whether the network cable is connected(Open pair,no link partner)	(1, 2) 2 (3, 6) 1 (4, 5) 2 (7, 8) 2

## 2.8.SNMP Config

### 2.8.1.Global Config

SNMP network management function switch module, users can enable or disable SNMP functions. SNMP Agent State and Trap state default is disable. Security IP state

#### SNMP Management

Agent State	Disabled	▼
RMON	Disabled	▼
Trap	Disabled	▼
Security IP	Disabled	▼

[Save](#)

### 2.8.2.User Config

SNMP user management module, users can add or delete SNMP user operations in this module.

#### Users

Username	<input type="text"/>	(1-32 characters)
Group Name	<input type="text"/>	(1-32 characters)
Security Level	noAuthNoPriv	▼
IPv4 Access Control List	<input type="text"/>	(1-64 characters)
IPv6 Access Control List	<input type="text"/>	(1-64 characters)

[Apply](#)

#### User Configuration Status Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	Username	Group Name	Security Level	Authentication Protocol	Privacy Protocol	IPv4 Access Control List	IPv6 Access Control List
0 results found.							

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>Username</b>	User name to operate ,1-32 characters	
<b>Group Name</b>	User group to join ,1-32 characters	
<b>Security Level</b>	noAuthNoPriv	Uncertified non-encrypted level
	authNoPriv	Authentication but not encryption level
	authpriv	Authentication and encryption level
<b>Authentication protocol:</b>	MD5	HMAC MD5 algorithm for authentication
	SHA	Authentication uses HMAC SHA algorithms
<b>Authentication password:</b>	Password for authentication	
<b>Privacy protocol:</b>	DES	Encryption DES algorithm
	AES	Encryption AES algorithm
	3DES	Encryption with 3 DES algorithm
<b>Privacy password:</b>	Password for encryption	
<b>IPv4 access control list</b>	Standard IPv4 access control list number, range 1-64 characters	
<b>IPv6 access control list</b>	Standard IPv6 access control list number, range 1-64 characters	

### 2.8.3.Group Config

SNMP group management module in which users can add or delete SNMP group operations.

**Groups**

Group Name	<input type="text"/>	(1-32 characters)
Security Level	noAuthNoPriv	▼
Read SNMP View	<input type="text"/>	(1-32 characters)
Write SNMP View	<input type="text"/>	(1-32 characters)
Notify SNMP View	<input type="text"/>	(1-32 characters)

[Apply](#)

---

**Snmp Group Table**

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	Group Name	Security Level	SNMP View	SNMP View	SNMP View
0 results found.					

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>Group Name</b>	User group name to operate ,1-32 characters	
<b>Security level</b>	noAuthNoPriv	Uncertified non-encrypted level
	authNoPriv	Authentication but not encryption level
	authpriv	Authentication and encryption level
<b>Read SNMP view</b>	Name of readable view, including 1-32 characters	
<b>Write SNMP view</b>	Name of writable view, including 1-32 characters	
<b>Notify SNMP view</b>	Notice the name of the view, including 1-32 characters	
<b>Operation</b>	Apply	Add SNMP groups

	Delete	Delete SNMP groups
--	--------	--------------------

### 2.8.4. Community Config

The community management module where users can configure SNMP community management.

Community Managers

Community Name	<input type="text" value=""/>	(1-255 characters)
Access Priority	Readonly	▼

---

Community Managers Status Table

<input type="checkbox"/>	Community Name	Access Priority
--------------------------	----------------	-----------------

<b>Community Name</b>	Community string name ,1-255 characters	
<b>Access Priority</b>	Read only	Read-only permission level
	Read-write	Read and write permission level
<b>Operation</b>	Add	Do Community string add operations
	Delete	Do Community string delete operations

### 2.8.5. Trap Config

The trap config where users can configure trap management settings.

TRAP Manager Config

TRAP Receiver	<input type="text" value=""/>	Example:1.1.1.5
Version	V1	▼
Community Name	<input type="text" value=""/>	▼

---

TRAP Manager Status Table

<input type="checkbox"/>	TRAP Receiver	Community Config	Version	Security Level	User Config
--------------------------	---------------	------------------	---------	----------------	-------------

<b>Trap Receiver</b>	Recipient IPv4/IPv6 address of Trap information	
<b>Community Name</b>	Community string name, V1/V2 version :1-255 characters, V3 version :1-24 characters	
<b>Version</b>	Three versions: V1/V2C/V3	
<b>Security level (V3 version support only)</b>	noAuthNoPriv	Uncertified non-encrypted level
	authNoPriv	Authentication but not encryption level
	authpriv	Authentication and encryption level
<b>Operation</b>	Add	For Trap information receiver add operation

	Delete	For Trap information receiver remove operation
--	--------	--

### 2.8.6.View Config

SNMP view management module in which users can add or delete SNMP view operations.

Views

SNMP View	<input type="text" value=""/>	(1-32 characters)
OID	<input type="text" value=""/>	Example:1.3.6.1.2.1.1.1
Type	Include	▼

---

View Table

Showing  Entries Showing 1 to 3 of 3 entries

	SNMP View	OID	Type
<input type="checkbox"/>	v1defaultviewname	1.0.	Include
<input type="checkbox"/>	v1defaultviewname	1.2.	Include
<input type="checkbox"/>	v1defaultviewname	1.3.	Include

<b>SNMP view</b>	User view name to operate, 1-32 characters	
<b>OID</b>	OID number to operate, decimal	
<b>Type:</b>	Include	Include this OID
	Exclude	Exclude this OID
<b>Operation</b>	Apply	Add view
	Delete	Delete View

SNMP Engineid configuration module, the user can configure SNMP Engineid operation in this module.

SNMP engineid configuration

Engineid	<input type="text" value="18c384E5D8E01F5F"/>	Example:18c30125fa
Operation Type	Configuration	▼

<b>Engineid</b>	Engine id, Hex ,1-32 characters	
<b>Operation</b>	configuration	Configuration operations
	Default	Restore default (default is company ID plus local MAC address)

### 2.8.7.Security IP Config

The administrator IP the address setting module, where the user can add or delete the SNMP manager's safe IP address.

**Manager Security IP Configuration**

Security IP Address

<b>Security IP address</b>	SNMP Management Security IPv4/IPv6 Address	
<b>Operation</b>	Apply	Add a Security IP
	Delete	Delete a Security IP

### 2.8.8.SNMP Statistics

SNMP statistical information module, users in this module can view the SNMP function feedback information.

SNMP Statistics

SNMP packets input	0
Bad SNMP version errors	0
Unknown community name	0
Illegal operation for community name supplied	0
Encoding errors	0
Number of requested variables	0
Number of altered variables	0
Get-request PDUs	0
Get-next PDUs	0
Set-request PDUs	0
SNMP packets output	0
Too big errors (Max packet size 1500)	0
No such name errors	0
Bad values errors	0
General errors	0
Get-response PDUs	0
SNMP trap PDUs	0

## 2.9.Onvif Config

### 2.9.1.Server Config

Onvif server global switch configuration module, user can Onvif server global switch operation.

Server Config

Server Config  Off

<b>Server config</b>	Off: Close operation(default)
<b>Operation</b>	On: Start

### 2.9.2.Detect Config

Onvif detect config module, Click the **Send** button to send an Onvif detection packet to discover the device.

**Detect Config**

	MAC Address	IP Address	Port	Model	Description	Location
<input type="checkbox"/>						

**Detect Config**

	MAC Address	IP Address	Port	Model	Description	Location
<input type="checkbox"/>	48:ea:63:28:a0:63	192.168.19.72	18	IPC331S-IR3-PF40-DT	IPC331S-IR3-PF40-DT	Unknown
<input type="checkbox"/>	48:ea:63:60:69:83	192.168.19.8	18	NVR304-32E-B-DT	NVR304-32E-B-DT	country

## 2.10. Loopback Detection

### 2.10.1. Port Mode

The configuration of the page is used to set the loop detection control method. To display the "Port Mode" page, click Monitor Management -> Loopback Detection -> Port Mode, click "Apply" to configure.

**Port Mode**

	Port	--Please select --
	Loopback-detection Mode	No

<b>Port</b>	Ethernet port name
<b>Loopback-detection mode</b>	Operation in case of loop: No: no control mode Shutdown: Disable port block : Block port
<b>Operation</b>	Operation of loop detection function: Apply: Configure control mode

Port	Loopback-detection Mode
Ethernet1/0/1	No
Ethernet1/0/2	No
Ethernet1/0/3	No
Ethernet1/0/4	No
Ethernet1/0/5	No
Ethernet1/0/6	No
Ethernet1/0/7	No
Ethernet1/0/8	No
Ethernet1/0/9	No
Ethernet1/0/10	No
Ethernet1/0/11	No
Ethernet1/0/12	No

<b>Port</b>	Ethernet port name
<b>Loopback-detection mode</b>	Shutdown: Disable port block : Block port No: Disable port loop detection

## 2.10.2.VLAN Loopback

This page can be used to configure VLAN loop detection function enabled or disabled.

To display the “VLAN Loopback” page, click Monitor Management ->Loopback Detection->VLAN Loopback, click "Apply" to configure.

VLAN Loopback

Port	--Please select --	
VLAN List	(1-4094, for example: 1;3-6)	

Apply

Port	VLAN List
Ethernet1/0/1	
Ethernet1/0/2	
Ethernet1/0/3	
Ethernet1/0/4	
Ethernet1/0/5	
Ethernet1/0/6	
Ethernet1/0/7	
Ethernet1/0/8	

<b>Port</b>	Ethernet port name
<b>VLAN ID</b>	VLAN ID, range 1-4094
<b>Operation</b>	Apply: Set VLAN loop detection

## 2.10.3.Interval Time

This page can be used to configure the loop detection interval.

To display the “Interval Time” page, click Monitor Management ->Loopback Detection-> Interval Time, click "Apply" to configure.

Interval Time

Loopback-detection Interval Time	5	(5-300s, Default:5s)
No Loopback-detection Interval Time	3	(1-30s, Default:3s)

Apply

<b>Loopback-detection interval time</b>	Interval time between loops, size 5-300 seconds, default is 5.
<b>No Loopback-detection interval time</b>	No loop interval, size 1-30 seconds, default is 3.
<b>Operation</b>	Configuration : Set the test time by



	<p>yourself.</p> <p>Default: Restore the default configuration, there is a loop detection interval of 35 seconds, there is no loop detection interval of 15 seconds.</p>
--	--

### 2.10.4.Recovery Timeout

This page is used to configure loop detection to automatically return to an uncontrolled state.

To display the “Recovery Timeout” page, click Monitor Management ->Loopback Detection-> Recovery Timeout, click "Apply" to configure.

Recovery Timeout

Recovery Switch Timeout	600	(0-3600s, Default:600s)
<input type="button" value="Apply"/>		

<b>Recovery switch timeout</b>	<p>When a port is disabled or blocked due to a loop, it automatically recovers to an uncontrolled time, the size range is 0-3600 seconds. When it is configured as 0, the auto recovery function is disabled. Default is 600</p>
--------------------------------	--

## 2.11.LLDP Config

### 2.11.1.Global Config

This page can be configured to enable or disable LLDP functionality,configure the interval between sending updates, configure the value of the message aging time multiplier, configure the sending delay time of the update message, configure the interval between sending Trap messages.

### Global Config

This page is used to configure global properties of the LLDP function

Status	Disabled	
Hello Message Sending Time	30	(5-32768),Default:30
Aging Multiple	4	(2-10),Default:4
Delay Time ?	2	(1-8192),Default:2
Trap Interval ?	5	(5-3600),Default:5
Operation Type	Apply	

<b>Status(lldp enable)</b>	Enable: Global On LLDP Function Disable: Global Off LLDP Function
----------------------------	--

<b>Hello Message Sending Time</b>	Update message sending interval between 5-32768 seconds. the default configuration is 30 seconds.
<b>Aging Multiple</b>	Numerical magnitude between 2-10, the default configuration is 4
<b>Delay Time</b>	Value between 1-8192 seconds, the default configuration is 2
<b>Trap Interval</b>	Value between 5 and 3600 seconds, the default configuration is 5
<b>Operation Type</b>	Apply: User self-configuration Default: Restore default configuration

### 2.11.2.Port Config

This page can be configured to enable or disable LLDP Port functionality.

### Trust Config

This page is used to set port attributes for the LLDP function

Port	--Please select--	
LLDP Enable	Enabled	
Trap Enable	Disabled	
Agent State	both	
Operation Type ?	Discard	
Entry Max ?	100	(5-500,Default:100)

<b>Port</b>	Ethernet port name
<b>LLDP port Enable type</b>	Enable or disable LLDP functions
<b>LLDP port Trap enable type</b>	Enable or disable Trap functions

<b>LLDP mode</b>	Agent State: Send; Receive; Both; Disable;
<b>LLDP too mangy neighbors value</b>	Discard: Discard new neighbor information Delete: Delete the neighbor information with the least aging time in the remote table, and then add new neighbor information
<b>LLDP neighbors max-num value</b>	Remote table maximum save entry size 5-500

Port	LLDP Enable	Trap Enable	Agent State	Operation Type	Entry Max
Ethernet1/0/1	Enabled	Enabled	Both	Discard	100
Ethernet1/0/2	Enabled	Disabled	Both	Discard	100
Ethernet1/0/3	Enabled	Disabled	Both	Discard	100
Ethernet1/0/4	Enabled	Disabled	Both	Discard	100
Ethernet1/0/5	Enabled	Disabled	Both	Discard	100
Ethernet1/0/6	Enabled	Disabled	Both	Discard	100
Ethernet1/0/7	Enabled	Disabled	Both	Discard	100
Ethernet1/0/8	Enabled	Disabled	Both	Discard	100
Ethernet1/0/9	Enabled	Disabled	Both	Discard	100
Ethernet1/0/10	Enabled	Disabled	Both	Discard	100
Ethernet1/0/11	Enabled	Disabled	Both	Discard	100
Ethernet1/0/12	Enabled	Disabled	Both	Discard	100
Ethernet1/0/13	Enabled	Disabled	Both	Discard	100
Ethernet1/0/14	Enabled	Disabled	Both	Discard	100
Ethernet1/0/15	Enabled	Disabled	Both	Discard	100
Ethernet1/0/16	Enabled	Disabled	Both	Discard	100
Ethernet1/0/17	Enabled	Disabled	Both	Discard	100
Ethernet1/0/18	Enabled	Disabled	Both	Discard	100

### 2.11.3.TLV Config

This page can configure port TLV properties.

#### TLV Config

This page is used to set the properties of TLV

Port	--Please select --
TLV Config	--Please select --
<a href="#">Apply</a>	

Port	TLV Config
Ethernet1/0/1	
Ethernet1/0/2	
Ethernet1/0/3	
Ethernet1/0/4	
Ethernet1/0/5	
Ethernet1/0/6	
Ethernet1/0/7	
Ethernet1/0/8	

<b>Port</b>	Ethernet port name
<b>LLDP Port Description</b>	Port description name information needs to be configured
<b>LLDP System Capability</b>	Information describing system capabilities
<b>LLDP System Description</b>	Message describing the system

<b>LLDP System Name</b>	System name information
-------------------------	-------------------------

## 2.11.4.Neighbor Info

This page can be used to view LLDP configuration messages.

### Neighbor Info

This page is used to view information about other neighbors

#### Neighbor Table

Showing 10 Entries Showing 1 to 1 of 1 entries Search

Number	Local Port	Chassis ID	CID	Port ID	PID	Time Mark	System Name
1	Ethernet1/0/8	30-b4-9e-bc-b7-44	4	30-b4-9e-bc-b7-44	MAC address	3373	-

First Previous 1 Next Last

## 3.Switch Config

### 3.1.Port Config

#### 3.1.1.Port Config

This page is mainly used to configure the basic of physical ports.

To display the "Port Config" page, click Switch Config->Port Config->Port Config, click "Apply" to configure.

#### Port Config

This page is used to configure basic port parameters.

Ports	Ethernet1/0/1	
Port Alias		(1-200 character) ?
Admin Status	Enabled	
Speed	Auto	
Duplex	Auto	
Flow Control	Disabled	?
MDI	auto	?

Apply

<b>Ports</b>	Select physical ports
<b>Port Alias</b>	Set port alias name, value 1-200
<b>Admin status</b>	Port status: Enabled Disabled
<b>Speed</b>	Port Speed: Auto,10M,100M,1000M
<b>Duplex</b>	Port Duplex: Auto, Half, Full

<b>Flow Control</b>	Port Flow Control: Disabled, Enabled
<b>Mdi</b>	Mdi: auto, across, normal, default is auto.

Port	Port Alias	Admin Status	Speed/Duplex		Flow Control	MDI
			Config	Actual		
Ethernet1/0/1		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/2		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/3		Enabled	Auto/Auto	1000M/Full	Disabled	auto
Ethernet1/0/4		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/5		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/6		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/7		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/8		Enabled	Auto/Auto	1000M/Full	Disabled	auto
Ethernet1/0/9		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/10		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/11		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/12		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/13		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/14		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/15		Enabled	Auto/Auto	Link Down	Disabled	auto
Ethernet1/0/16		Enabled	Auto/Auto	Link Down	Disabled	auto

<b>Port</b>	physical ports
<b>Port Alias</b>	Port alias description
<b>Admin status</b>	Port status: Enabled Disabled
<b>Speed</b>	Port rate: 10: 10M 100: 100M 1000: 1000M Auto: Automatic negotiation rate
<b>Duplex</b>	Duplex: Auto: Automatic negotiation mode Half: Half duplex mode Full: Full duplex mode
<b>Flow control</b>	Port Flow Control Status:
<b>Mdi</b>	Mdi: auto, across, normal, default is auto.

### 3.1.2.Port 10G Mode(Specific)

This page is mainly used to configure the basic of 10G ports.

### Port 10G Mode

This page is used to configure 10G port mode.

Ports	Ethernet1/0/25
Port 10G Mode	dac-50cm

[Apply](#)

Ports	Port 10G Mode
Ethernet1/0/25	fiber-auto
Ethernet1/0/26	fiber-auto
Ethernet1/0/27	fiber-auto
Ethernet1/0/28	fiber-auto

Port	Select physical ports
<b>Port 10G Mode</b>	dac-50cm: DAC 50cm dac-100cm: DAC 100cm dac-300cm: DAC 300cm dac-500cm: DAC 500cm fiber-10g: Fiber forced 10G fiber-1g: Fiber forced 1G fiber-2500M: Fiber forced 2500M fiber-auto: Fiber Auto mode

## 3.2.Port Mirror

This section can be used for port mirroring function configuration. To display the “Port Mirror” page, click Switch Config ->Port Mirror, click "Apply" to configure.

### Port Mirror

This page is used to configure port mirror.

Session ID	1
Destination Port	Ethernet1/0/1
Source Port	--Please select --
CPU Source	Disabled
Access List	(1-7999)
Mirror Direction	rx

[Apply](#)

### Port Mirror Table

	Session ID	Destination Port	Source Port		Access List
			Tx	Rx	
<input type="checkbox"/>	1				
<input type="checkbox"/>	2				
<input type="checkbox"/>	3				
<input type="checkbox"/>	4				

[Delete](#)

<b>Session</b>	Mirror Session
<b>Destination port</b>	Mirror destination port
<b>Source port</b>	Mirror Source Port

<b>CPU Source</b>	CPU Source: Disabled Enabled
<b>Access list</b>	The access control list set for the mirror source port
<b>Mirror direction</b>	What kind of data is needed to filter to the destination port: Both: Sending and receiving Rx: receive Tx: send

### 3.3.Port Isolate

This page is mainly used to configure the port isolation.

Port Isolation Configuration

This page is used to configure port isolate.

Isolate-Port Group Name	<input type="text" value=""/>
Isolation Ports	--Please select --

Add

---

Port Isolation Table

<input type="checkbox"/>	Isolate-Port Group Name	Isolation Ports
--------------------------	-------------------------	-----------------

Delete

<b>Isolate-Port Group Name</b>	The name of isolate-port Group, value 1-32 character
<b>Isolation Ports</b>	Select isolation ports to add isolate group

### 3.4.Port Channel

#### 3.4.1.Port Channel Group

This section can be used to create convergent groups.

To display the "Port Channel Group" page, click Port channel -> Port Channel Group, click "Apply" to configure.

Port Channel

This page is used to configure port channel.

Load Balance Alogorithm	src-mac ▼
-------------------------	-----------

Apply

<b>Load balance mode</b>	<p><b>src-mac:</b> Execute load balancing according to source MAC</p> <p><b>dst-mac:</b> Execute load balancing according to target MAC</p> <p><b>src-dst-mac:</b> Execute load balancing based on source and target MAC</p> <p><b>src-ip:</b> Execute load balancing according to source IP</p> <p><b>dst-ip:</b> Execute load balancing according to target IP</p> <p><b>dst-src-ip:</b> Execute load balancing according to target IP source</p> <p><b>dst-src-mac-ip:</b> Perform load balancing based on target and source Mac and source IP</p> <p><b>ingress-port :</b> ingress port.</p>
--------------------------	--

LAG	<input type="text" value=""/>	(1-64)
Name	<input type="text" value=""/>	(1-200 character)
Mode	on	▼
State	Enabled	▼
Member Port	<input type="text" value="--Please select --"/>	
<input type="button" value="Apply"/>		

Port Channel Table						
<input type="checkbox"/>	LAG	Name	Mode	State	Ports	Load Balance Alogorithm
<input type="button" value="Delete"/>						

<b>LAG</b>	To create a convergent group number, value 1-8.
<b>Name</b>	The name of LAG group, value 1-32 character
<b>mode</b>	<p>On: force port to join port channel without LACP. enabled</p> <p>Active: Enable the LACP on the port and set it to Active mode;</p> <p>Passive: Enable LACP on the port and set it to passive mode</p>
<b>State</b>	<p>Enabled</p> <p>Disabled</p>



<b>Member Port</b>	Ethernet port name
--------------------	--------------------

### 3.4.2.LACP

This page is available with setting system priority and port priority.  
To display the “LACP” page, click Switch Config -> Port channel->LACP

LACP

This page is used to configure port channel LACP

System Priority  (0-65535, default 32768)

Port

Port Priority  (0-65535, default 32768)

Timeout

LACP Port Setting Table

<input type="checkbox"/>	Port	Status	Port Priority	FLAG <span style="color: red;">?</span>
<input type="button" value="Delete"/>				

<b>LACP system priority</b>	Range :0-65535
<b>Port list</b>	Ethernet port name added to convergence group
<b>LACP port priority</b>	Range :0-65535
<b>Timeout</b>	long short

### 3.5.Jumbo Frame

This page is used to configure Jumbo Frame.

### Jumbo Frame Configuration

This page is used to configure Jumbo Frame!

Jumbo Frame Size	<input type="text" value="1500"/>	1500-10222 (Unit: Bytes)
<input type="button" value="Apply"/>		

<b>Status</b>	Disabled(default) Enabled
<b>Jumbo Frame Size (Unit: Bytes)</b>	Size 1500-12270, default is 1500.

### 3.6.Port Rate

The page is configured for Port Rate.

To display the “Port Rate” page, click Switch Config -> Port Rate, click "Apply" to configure.

#### Port Rate

This page is used to configure port rate.

Ports	<input type="text" value="--Please select --"/>	
Limit Type	<input type="text" value="Ingress"/>	
Status	<input type="text" value="Disabled"/>	
Rate(Kbps)	<input type="text" value="No Limit"/>	1-10000000
<input type="button" value="Apply"/>		

<b>Ports</b>	Ethernet port name
<b>Limit Type</b>	Limit type: Egress: send Ingress : receive All: send and receive
<b>Status</b>	Disabled Enabled
<b>Rate</b>	Bandwidth control rate in the range of Kbps 1-1000000

Port	EgressRate(Kbps)	IngressRate(Kbps)
Ethernet1/0/1	1000000	1000000
Ethernet1/0/2	1000000	1000000
Ethernet1/0/3	1000000	1000000
Ethernet1/0/4	1000000	1000000
Ethernet1/0/5	1000000	1000000
Ethernet1/0/6	1000000	1000000
Ethernet1/0/7	1000000	1000000
Ethernet1/0/8	1000000	1000000

<b>Port</b>	Ethernet port name
-------------	--------------------

<b>Ingress bandwidth threshold(Kb)</b>	Displays the current received data bandwidth limit in the range of Kbps 1-1000000
<b>Engress bandwidth threshold(Kb)</b>	Displays the bandwidth limit of the current sending data, ranging from 1-1000000kbps

### 3.7.Storm Control

This page can be configured for the storm control function of the port.  
To display the “Storm Control” page, click Switch Config -> Storm Control, click "Apply" to configure.

**Storm Control**

This page is used to configure storm control.

<b>Ports</b>	--Please select --	
<b>Type</b>	Broadcast	▼
<b>Status</b>	Disabled	▼
<b>Rate(Kbits)</b>	No Limit	1-1000000

Apply

<b>Port</b>	Ethernet port name
<b>Type</b>	Broadcast/Multicast/Unicast
<b>Status</b>	Disabled: Disable Storm Control Enabled: Turn on the storm control function and configure the speed limit
<b>Rate</b>	storm control rate, ranging from 1-1000000 kbps or pps 1-1488095

Port	Broadcast	Unknown Multicast	Unknown Unicast
Ethernet1/0/1	Disabled	Disabled	Disabled
Ethernet1/0/2	Disabled	Disabled	Disabled
Ethernet1/0/3	Disabled	Disabled	Disabled
Ethernet1/0/4	Disabled	Disabled	Disabled
Ethernet1/0/5	Disabled	Disabled	Disabled
Ethernet1/0/6	Disabled	Disabled	Disabled
Ethernet1/0/7	Disabled	Disabled	Disabled
Ethernet1/0/8	Disabled	Disabled	Disabled

<b>Port</b>	Ethernet port name
<b>storm-control type</b>	Broadcast/Multicast/Unicast

### 3.8.MAC Address Config

#### 3.8.1.Static MAC

Configure Static MAC addresses, and establish the mapping relationship between MAC addresses and ports and VLANs.

**MAC Address Config**

MAC Address	00-00-00-00-00-00
VLAN ID	VLAN0001
Port	Ethernet1/0/1

[Add](#)

---

**Static MAC List**

Showing 10 Entries Showing 0 to 0 of 0 entries Search

No.	MAC Address	VLAN ID	Port
0 results found.			

[Delete](#) [First](#) [Previous](#) [Next](#) [Last](#)

<b>MAC address</b>	Hexadecimal MAC address, the format is xx-xx-xx-xx-xx-xx	
<b>VLAN ID</b>	Created VLAN ID	
<b>Port</b>	Mapped port	
<b>Operation</b>	Add	The mapping relationship between MAC address and port and VLAN will be added
	Remove	Delete the mapping relationship of the specified MAC address, VLAN, and port

#### 3.8.2.Black Hole MAC

Configure Blackhole MAC addresses, and establish the mapping relationship between MAC addresses and ports and VLANs.

**Black Hole MAC**

MAC Address	00-00-00-00-00-00
VLAN ID	VLAN0001

[Add](#)

---

**Black Hole MAC List**

Showing 10 Entries Showing 0 to 0 of 0 entries Search

No.	MAC Address	VLAN ID
0 results found.		

[Delete](#) [First](#) [Previous](#) [Next](#) [Last](#)

<b>MAC address</b>	Hexadecimal MAC address, the format is xx-xx-xx-xx-xx-xx, packets with this address will be discarded and will not be forwarded to the network by the switch	
<b>VLAN ID</b>	Created VLAN ID	
<b>Blackhole based type</b>	source	Source based on source address filter
	destination	Target based on target address filter
	both	Both are based on source address and destination address filters, the default value is both
<b>Operation</b>	Add	The mapping relationship between MAC address and port and VLAN will be added
	Delete	Delete the mapping relationship of the specified MAC address, VLAN, and port

Black Hole MAC List

Showing 10 Entries      Showing 1 to 1 of 1 entries      Search

No.	MAC Address	VLAN ID	Type
1	00-00-11-22-00-00	VLAN0001	both

Delete

First Previous 1 Next Last

Display current existing MAC address, port, VALN mapping relationship

### 3.8.3.Aging-time

Each time the switch learns a MAC address, it will store the address and set the aging time. When the time is over, the address will be removed from the switch.

Aging-time

Aging-time	300	(10-1000000)Second, default is 300, 0:No Aging
------------	-----	--

Apply

<b>MAC address</b>	The aging time range is 10-1000000, 0 means no aging	
<b>Aging-time</b>		
<b>Operation</b>	Apply	Set the aging time into the switch

### 3.8.4.MAC Address List

Quickly query the MAC address in the switch.

MAC Address List

Showing 10 Entries Showing 1 to 3 of 3 entries Search

VLAN ID	MAC Address	Type	Creator	Port
1	00-00-11-22-00-00	STATIC	User	(blackhole) (both)
1	30-B4-9E-BC-B7-44	DYNAMIC	Hardware	Ethernet1/0/12
1	84-E5-D8-E0-1F-5E	STATIC	System	CPU

<b>VLAN ID</b>	The created VLAN ID, showing the address in the VLAN
<b>MAC Address</b>	Hexadecimal MAC address, the format is xx-xx-xx-xx-xx-xx
<b>Type</b>	MAC address type
<b>Creator</b>	MAC address creator
<b>Port</b>	Find the MAC address by port

Note: Check the small box at the back to make the condition take effect. By default, there is no condition. When there is no condition, all MAC address information will be displayed.

### 3.9.AM

AM module, the user can set up AM IP segment and MAC-IP segment on the specified port, allowing/rejecting messages from within the segment to be forwarded through the port.

Access Manage(AM)

Through the port binding feature of AM access management, network administrators can bind legitimate user IP (MAC-IP) addresses to specified ports.After the binding operation, only messages sent by users with specified IP (MAC-IP) addresses can be forwarded through this port, enhancing users' monitoring of network security.

Port	--Please select --
Binding Type	IP
IP Address	<input type="text"/>
Number <span style="color: red;">?</span>	1

AM Configuration Table

<input type="checkbox"/>	Port	Binding Type	MAC Address	IP Address	Number
<input type="button" value="Delete"/>					

<b>Port</b>	Designated port number
<b>Binding Type</b>	Select IP or MAC-IP method
<b>IP address</b>	Beginning IP address, decimal point
<b>Number</b>	Number of consecutive addresses after starting IP address ,1-32

<b>MAC address</b>	Source MAC address
--------------------	--------------------

### 3.10.AAA

#### 3.10.1.Radius

Radius Global Configuration module, users in this module can configure the global Radius function services.

**Radius Global Configuration**

The user priority for Radius authentication login is 1

Key Type	Plain Key	1-64Characters
Radius Global Key	<input type="text"/>	Range:1-255(Min),Default:5
System Recovery Time	<input type="text" value="5"/>	Range:0-100,Default:3
Radius Retransmit Times	<input type="text" value="3"/>	Range:1-1000(Sec),Default:3
Radius Server Timeout	<input type="text" value="3"/>	Range:1-1000(Sec),Default:3

Apply

Radius Global Information				
Key Type	Radius Global Key	System Recovery Time	Radius Retransmit Times	Radius Server Timeout
Plain Key		5	3	3

<b>Key Type</b>	Plain Key: 1-64 character Cipher Key: 1-64 character, input plaintext application to encrypt ciphertext.
<b>Radius Global Key</b>	Key string ,1-64 characters, select Use default and click Apply can set Radius Key default.
<b>System Recovery Time</b>	Radius service recovery time from downtime to accessibility, 1-255 minutes, default is 5.
<b>Radius Retransmit Times</b>	Radius authentication packet retransmission time, 1-100 seconds, default is 3.
<b>Radius Server Timeout</b>	The corresponding time of the radius server, 1-1000 seconds, default is 3.

Radius Authentication Configuration module, users in this module can configure the Radius authentication server.

**Radius Authentication Server Configuration**

Authentication Server IP	<input type="text"/>	IPv4 or IPv6 address
Authentication Server Port(optional)	<input type="text"/>	Range:0-65535
Key Type	Plain Key	
Radius Key(optional)	<input type="text"/>	1-64Characters
Access Mode	None	
Primary Authentication Server	Non-primary authentication server	

[Apply](#)

Showing  Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	NO.	Server IP Address	Port Number	Primary Server	Key Type	Radius Key	Access Mode
0 results found.							

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>Authentication Server IP</b>	The address of IPv4 or IPv6 of the radius authentication server	
<b>Authentication Server port</b>	Port number of radius authentication server(optional),0-65535	
<b>Key Type</b>	Plain Key: 1-64 character	
	Cipher Key: 1-64 character, input plaintext application to encrypt ciphertext.	
<b>Radius Key</b>	Key string ,1-64 characters	
<b>Access Mode</b>	None: All services can use current RADIUS server by default	
	Telnet: RADIUS server only use telnet authentication	
	Dot1x: RADIUS server only use 802.1x authentication	
	Wireless: RADIUS server only use wireless authentication	
<b>Primary Authentication Server</b>	Primary authentication server	Specify radius server as primary authentication server
	Non-Primary authentication server	Specify radius server as non-primary authentication server

### 3.10.2.Radius Accounting

Radius authentication and accounting module, users in this module can configure the Radius billing server.



**Radius Accounting Server Configuration**

Accounting Server IP	<input type="text"/>	IPv4 or IPv6 address
Authentication Server Port(optional)	<input type="text"/>	Range:0-65535
Key Type	Plain Key	
Radius Key(optional)	<input type="text"/>	1-64Characters
Primary Authentication Server	Non-primary authentication server	

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

NO.	Server IP Address	port number	Key Type	Radius Key	Primary Server
0 results found.					

<b>Accounting Server IP</b>	Radius authentication server IPv4 or IPv6 address		
<b>Accounting Server Port</b>	Radius authentication server port number (optional),0-65535		
<b>Key Type</b>	Plain Key: 1-64 character		
	Cipher Key: 1-64 character, input plaintext application to encrypt ciphertext.		
<b>Radius Key</b>	Key string ,1-64 characters		
<b>Primary Accounting Server</b>	Primary accounting server	Specify radius server as primary accounting server	
	Non-Primary accounting server	Specify radius server as non-primary accounting server	

### 3.10.3.Tacacs

Tacacs global configuration module, users in this module can configure the global Tacacs function services.

**Tacacs Global Configuration**

The user priority for Tacacs authentication login is 1

Key Type	Plain Key	Plain Key
Tacacs Global Key	<input type="text"/>	1-64 Characters
Tacacs Server Global Timeout	3	Range:1-60(Sec),Default:3

Tacacs Global Information		
Key Type	Tacacs Global Key	Tacacs Server Global Timeout
Plain Key		3

<b>Key Type</b>	Plain Key: 1-64 character		
	Cipher Key: 1-64 character, input plaintext application to encrypt ciphertext.		

<b>Tacacs Global Key</b>	Tacacs authentication global key ,1-64 characters
<b>Tacacs Server Global Timeout</b>	Tacacs authentication timeout ,1-60 seconds, default 3 seconds

Tacacs server configuration module, users in this module can configure the Tacacs authentication server.

**Tacacs Authentication Server Configuration**

Authentication Server IP	<input type="text"/>	IPv4 or IPv6 address
Authentication Server Port(optional)	<input type="text"/>	Range:0-65535
Key Type	Plain Key	
Tacacs Key(optional)	<input type="text"/>	1-64Characters
Tacacs Server Timeout(optional)	<input type="text"/>	Range:1-60(Sec),Default:3
Primary Authentication Server	Non-primary authentication server	

Showing 10 Entries Showing 0 to 0 of 0 entries

<input type="checkbox"/>	NO.	Server IP Address	port number	Primary Server	Key Type	Tacacs Key	Tacacs Server Timeout
0 results found.							

<b>Authentication Server IP</b>	Tacacs authentication server IPv4 address, decimal point	
<b>Authentication Server Port</b>	Tacacs authentication server port number (optional),0-65535	
<b>Key Type</b>	Plain Key: 1-64 character	
	Cipher Key: 1-64 character, input plaintext application to encrypt ciphertext.	
<b>Tacacs Key</b>	Configure tacacs+ server encryption key 1-64 Characters	
<b>Tacacs Server Timeout</b>	Configure the tacacs+ server authentication time Interval <1-60> second Deafult is 3.	
<b>Primary Authentication Server</b>	Primary accounting server	Specify Tacacs server as primary accounting server
	Non-Primary accounting server	Specify Tacacs server as non-primary accounting server

## 4.VLAN Config

### 4.1.VLAN Config

#### 4.1.1.VLAN ID

VLAN configuration function module, users add or delete VLANs in this module.

VLAN Configuration Management

VLAN ID	<input type="text"/>	(1-4094, for example: 1;3-6)
VLAN Name	<input type="text"/>	

[Add](#)

Showing 10 Entries Showing 1 to 1 of 1 entries Search

	No.	VLAN ID	VLAN Name
<input type="checkbox"/>	1	1	default

[Delete](#)

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

<b>VLAN ID</b>	The serial number of the VLAN, range: 2-4094	
<b>VLAN name</b>	By default, the default is VLAN plus four-digit serial number, range: 1-64 characters.	
<b>Operation</b>	Add	Add VLAN
	Delete	Remove VLAN

#### 4.1.2.Show VLAN

Show VLAN function module, display VLANs in this module.

Show VLAN List

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Name	Type	Media	Ports
1	default	Static	ENET	Ethernet1/0/1, Ethernet1/0/2 Ethernet1/0/3, Ethernet1/0/4 Ethernet1/0/5, Ethernet1/0/6 Ethernet1/0/7, Ethernet1/0/8 Ethernet1/0/9, Ethernet1/0/10 Ethernet1/0/11, Ethernet1/0/12 Ethernet1/0/13, Ethernet1/0/14 Ethernet1/0/15, Ethernet1/0/16 Ethernet1/0/17, Ethernet1/0/18 Ethernet1/0/19, Ethernet1/0/20 Ethernet1/0/21, Ethernet1/0/22 Ethernet1/0/23, Ethernet1/0/24 Ethernet1/0/25, Ethernet1/0/26 Ethernet1/0/27, Ethernet1/0/28

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

#### 4.1.3.Port Config

Switch port type setting, the user can change the switch port type in this module.

### Port Mode Configure

Ports	--Please select --	
Mode	Access	
Native Vlan	VLAN0001	
Ingress Check	Enabled	
Tagged VLAN	Range(1-4094)	Example 1-3;8
UnTagged VLAN	Range(1-4094)	Example 1-3;8

Apply

Port	Mode	Native Vlan	Ingress Check	Tag Vlan List	Untag Vlan List
Ethernet1/0/1	Access	VLAN0020	Enabled	-	-
Ethernet1/0/2	Trunk	VLAN0001	Enabled	1-4094	-
Ethernet1/0/3	Trunk	VLAN0001	Enabled	-	-
Ethernet1/0/4	Access	VLAN0001	Enabled	-	-
Ethernet1/0/5	Access	VLAN0001	Enabled	-	-
Ethernet1/0/6	Access	VLAN0001	Enabled	-	-
Ethernet1/0/7	Access	VLAN0001	Enabled	-	-
Ethernet1/0/8	Access	VLAN0001	Enabled	-	-

<b>Port</b>	Port name	
<b>Mode</b>	Access	
	Trunk	
	Hybrid	
<b>Native VLAN</b>	Port PVID	
<b>Ingress Check</b>	Enabled	When a data packet enters the switch, the VLAN ingress filter checks whether the ingress port of the data packet belongs to the given (forwarded) VLAN
	Disabled	When a data packet enters the switch, the VLAN ingress filter does not check whether the ingress port of the data packet belongs to the given (forwarded) VLAN
<b>Tagged VLAN</b>	Tagged VLAN range 1-4094, example 1-3;8	
<b>Untagged VLAN</b>	Untagged VLAN range 1-4094, example 1-3;8	

## 4.2.GVRP Config

### 4.2.1.GVRP Config

The switch starts the global GVRP setting, and the user turns on or off the global GVRP.

#### GVRP Config

<input checked="" type="radio"/> Enabled <input type="radio"/> Off
--

<b>Enable/Disable global GVRP</b>	Enable	Start the global GVRP module function
	Disable	Disable the global GVRP module function

The switch configures GARP parameters, and the user sets the value of various timers to manage GARP.

GVRP Config

Enabled	<input checked="" type="checkbox"/>	
Join Timer	200	Range:200-500 milli-second, default is 200
Leave Timer	600	Range:500-1200 milli-second, default is 600
Leaveall Timer	10000	Range:5000-60000 milli-second, default is 10000

<b>Join timer</b>	200-500ms	
<b>Leave timer</b>	500-1200ms	
<b>Leaveall timer</b>	500-60000ms	
<b>Operation</b>	Apply	Modify the value of the timer

#### 4.2.2.GVRP Port

The switch port starts GVRP settings, and the user opens or closes the port GVRP.

Enable GVRP On Port

Enable the port will not be able to change the port mode

Ports	--Please select --	
Status	Enabled <input type="button" value="v"/>	

Port	GVRP Status
------	-------------

<b>Port</b>	Port name	
<b>Enable/Disable GVRP</b>	Enable	Start the port GVRP module function
	Disable	Disable the port GVRP module function

### 4.3.QINQ

#### 4.3.1.Enable Dot1q Tunnel

Switch dot1q tunnel configuration, the user configures the port to enable the dot1q tunnel function.

**Enable Dot1q Tunnel**

Ports

Showing  Entries Showing 0 to 0 of 0 entries

	Port	Status
0 results found.		

<b>Port</b>	Port name	
<b>Operation</b>	Apply	Enable dot1q tunnel
	Delete	Disable dot1q tunnel

### 4.3.2.Dot1q Tunnel TPID

Switch port dot1q tunnel tpid configuration, users configure port dot1q tunnel tpid parameters.

**Configure Dot1q Tunnel TPID**

only configure for QinQ disable port

Ports

Protocol

Protocol ID

<b>Port</b>	Port name	
<b>Protocol</b>	0x8100	Set the outer TPID to 0x8100
	0x9100	Set the outer TPID to 0x9100
	0x9200	Set the outer TPID to 0x9200
	protocol ID	Set a custom TPID
<b>Protocol ID</b>	The value of the custom TPID	

Port	GVRP Status
Ethernet1/0/1	
Ethernet1/0/2	
Ethernet1/0/3	
Ethernet1/0/4	
Ethernet1/0/5	
Ethernet1/0/6	
Ethernet1/0/7	
Ethernet1/0/8	

## 4.4.Protocol VLAN

The switch protocol vlan settings, and the user can config the protocol vlan.

**Protocol VLAN Configure**

Mode	ethernetII
Ethernet Type	Range:1536-65535
VLAN Name	VLAN0001
Priority	Range:0-7

[Add](#)

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

No.	Protocol Type	VLAN Name	Priority
0 results found.			

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

Mode	ethernetII	Configure EthernetII Encapsulation
	snap	Configure LLC Encapsulation
	llc	Configure SNAP Encapsulation
Ethernet Type	Packet protocol type, Configure Packet protocol type number, 1536–65535	
VLAN Name	Configure the VLAN ID.	
Priority	Configure priority value, 0–7	
Operation	Add	Add the protocol vlan
	Delete	Delete the protocol vlan

## 4.5.Voice VLAN

### 4.5.1.VLAN Config

The voice vlan configure module, and the user can select vlan to enable voice vlan

**Voice VLAN Configure**

Voice VLAN	None
------------	------

[Apply](#)

<b>Voice VLAN</b>	Select vlan to enable voice vlan
-------------------	----------------------------------

The voice oui configure module, and the user can set voice oui

**Voice VLAN Configure**

Voice VLAN VLAN0255 ▼

Apply

**Voice OUI Configure**

MAC address	MAC Mask	Priority	Name
<span style="border: 1px solid #ccc; padding: 2px;">00-00-00-00-00-00</span>	<span style="border: 1px solid #ccc; padding: 2px;">FF-FF-FF-FF-FF-FF</span>	<span style="border: 1px solid #ccc; padding: 2px;">Range:0-7</span>	<span style="border: 1px solid #ccc; padding: 2px;">Up to 15 characters</span>

Add

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	No.	Name	MAC address	MAC Mask	Priority
<input type="checkbox"/>					

0 results found.

Delete First Previous Next Last

<b>MAC address</b>	The voice equipment MAC address, shown in xx-xx-xx-xx-xx-xx format.
<b>MAC Mask</b>	The last eight digit of the mask code of the MAC address, the valid values are: 0xff, 0xfe, 0xfc, 0xf8, 0xf0, 0xe0, 0xc0, 0x80, 0x0
<b>Priority</b>	The priority of the voice traffic, the valid range is 0-7
<b>Name</b>	The voice-name is the name of the voice equipment, which is to facilitate the equipment management

### 4.5.2.Port Config

The voice vlan port config module, and the user can select port to enable voice vlan

**Port Config**

Ports --Please select --

Status Enabled ▼

Apply

Port	Status
Ethernet1/0/1(A)	Enabled
Ethernet1/0/2(T)	Enabled
Ethernet1/0/3(T)	Enabled
Ethernet1/0/4(A)	Enabled
Ethernet1/0/5(A)	Enabled
Ethernet1/0/6(A)	Enabled
Ethernet1/0/7(A)	Enabled
Ethernet1/0/8(A)	Enabled

<b>Port</b>	Port name	
<b>Status</b>	Enable	Enable voice vlan
	Disable	Disable voice vlan



## 4.6.MAC VLAN

### 4.6.1.VLAN Config

The mac vlan configure module, and the user can select vlan to add mac vlan

<b>MAC VLAN</b>	Select vlan to add mac vlan
-----------------	-----------------------------

### 4.6.2.VLAN Member

the user can set mac vlan

<b>MAC address</b>	The MAC address which is shown in the form of XX-XX-XX-XX-XX-XX
<b>MAC Mask</b>	The MAC address mask which is shown in the form of XX-XX-XX-XX-XX-XX
<b>VLAN ID</b>	Vlan-id is the ID of the VLAN with a valid range of 1-4094
<b>Priority</b>	Priority-id is the level of priority and is used in the VLAN tag with a valid range of 0-7

### 4.6.3.Port Config

The mac vlan port config module, and the user can select port to enable mac vlan

Port Config

Ports	--Please select --	
Status	Enabled	

Apply

Port	Status
Ethernet1/0/1(A)	Enabled
Ethernet1/0/2(T)	Enabled
Ethernet1/0/3(T)	Enabled
Ethernet1/0/4(A)	Enabled
Ethernet1/0/5(A)	Enabled
Ethernet1/0/6(A)	Enabled
Ethernet1/0/7(A)	Enabled
Ethernet1/0/8(A)	Enabled

Port	Port name	
Status	Enable	Enable mac vlan
	Disable	Disable mac vlan

## 5.DHCP Config

### 5.1.DHCP Server

#### 5.1.1.Global Config

DHCP status configuration and query, the user configures the DHCP server status in this module, and checks the DHCP server status

Global Config

DHCP Server  Off

Global Config

DHCP Server  On

DHCP server	Off	Close DHCP server
	On	Open DHCP server

### 5.1.2.Create Address Pool

DHCP server address pool name configuration, user settings add and delete the address pool name.

Create Address Pool

Create Address Pool

Address Pool Name  (1-32 character)

Add

---

DHCP Server Address Pool Table

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	Address Pool Name
0 results found.	

Delete First Previous Next Last

<b>DHCP Address pool name</b>	The name of the created address pool	
<b>Operation type</b>	Add pool	Add the address pool of the DHCP server
	Delete	Delete the address pool of the DHCP server

DHCP Server Address Pool Table

Showing 10 Entries Showing 1 to 1 of 1 entries Search

	Address Pool Name
1	1

Delete First Previous 1 Next Last

Display the address pool of the current DHCP server

### 5.1.3.Dynamic Pool

Switch DHCP address pool configuration, the user configures the DHCP address pool parameters.

Dynamic Pool

Address Pool Name 1 ▼

Domain Name

IP Address

Netmask

DHCP Client Node Type Default ▼

Lease Time Not Configured ▼

Apply

---

Dynamic Pool Config Table

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	Address Pool Name	Domain Name	IP Address/Netmask	DHCP Client Node Type	Lease Time
0 results found.					

Delete First Previous Next Last

<b>DHCP pool name</b>	The name of the created address pool	
<b>DHCP pool domain name</b>	The domain name of the currently selected address pool. After configuration, you need to tick the box at the back to apply the domain name to the switch during application.	
<b>Address range</b>	IP address	Network number of the address pool
	Network mask	Netmask of the address pool
<b>DHCP client node type</b>	b-node	Broadcast node
	p-node	For point-to-point nodes
	m-node	Used for hybrid nodes to perform point-to-point communication after broadcasting
	h-node	Hybrid nodes that broadcast after peer-to-peer communication
	Designate	Hexadecimal node type, from 0 to 255
<b>Address lease timeout</b>	Infinite	The lease period of the address is unlimited, and the number of days/hours/minutes below do not need to be filled in
	Specified	There is a time limit for the lease of the address. You can rent it according to the lease time filled in below, and it will be automatically recovered if the time is exceeded
<b>Operation</b>	add	Add the above four parameters with check boxes to the switch, the parameters without check boxes will not be operated
	Delete	Restore the four parameters with check boxes to the default configuration, and the parameters without check boxes will not be operated

Dynamic Pool Config Table

Showing 10 ▾ Entries      Showing 1 to 1 of 1 entries      Search

<input type="checkbox"/>	Address Pool Name	Domain Name	IP Address/Netmask	DHCP Client Node Type	Lease Time
<input type="checkbox"/>	1	-	1.1.1.0/255.255.255.0	0	1D 0H:0M

[Delete](#)      [First](#) [Previous](#) [1](#) [Next](#) [Last](#)

Information display of the currently configured address pool

## 5.1.4. Manual Pool

Switch static address pool configuration, and manually bind client parameters.

Manual Pool

Address Pool Name	2
IP Address	xxx.xxx.xxx.xxx
Netmask	xxx.xxx.xxx.xxx
Binding Type	Hardware Address
ARP Hardware Type	1(ethernet)
MAC Address	xx-xx-xx-xx-xx-xx

[Apply](#)

---

Static Pool Config Table

Showing 10 Entries Showing 0 to 0 of 0 entries

<input type="checkbox"/>	Address Pool Name	MAC Address	IP Address/Netmask	Binding Type	ARP Hardware Type
0 results found.					

[Delete](#) [First](#) [Previous](#) [Next](#) [Last](#)

<b>Address Pool Name</b>	The name of the created address pool
<b>IP address</b>	IP address assigned by the DHCP server to the client
<b>Netmask</b>	The subnet mask assigned by the DHCP server to the client IP
<b>Binding Type</b>	Hardware Address Client identifier: The identifier of the client,
<b>ARP Hardware Type</b>	The protocol type used by the client is rfc\ethernet\ieee802. RFC ID: RFC protocol number, valid range is 1-255.
<b>MAC address</b>	MAC address, for example: 44-11-22-33-44-55 (MAC address)
<b>Operation</b>	Apply Delete

## 5.1.5. Default Gateway

The switch DHCP client default gateway configuration, the user configures the gateway parameters of the DHCP address pool.

**Default Gateway**

Address Pool Name	1
Gateway0	<input type="text"/>
Gateway1	<input type="text"/>
Gateway2	<input type="text"/>
Gateway3	<input type="text"/>
Gateway4	<input type="text"/>
Gateway5	<input type="text"/>
Gateway6	<input type="text"/>
Gateway7	<input type="text"/>
Operation	Add

<b>DHCP pool name</b>	The name of the created address pool	
<b>Gateway0-7</b>	Gateway IP address in dotted decimal format. Gateway 0 has the highest priority. The smaller the number, the higher the priority. The gateway can be set to zero or more, but the setting must start with 0 and no vacancies can appear in the middle, otherwise the gateway will be ignore the following parameters, such as setting gateway 0-1 and gateway 7, only gateway 0-1 takes effect	
<b>Operation</b>	Add	Add the gateway effectively set above to the currently selected DHCP address pool
	Delete	Clear all gateways and restore to the default state

### 5.1.6.DNS Server

The switch DHCP client DNS server configuration, the user configures the DNS server parameters of the DHCP address pool.

**DNS Server**

Address Pool Name	1
DNS Server0	<input type="text"/>
DNS Server1	<input type="text"/>
DNS Server2	<input type="text"/>
DNS Server3	<input type="text"/>
DNS Server4	<input type="text"/>
DNS Server5	<input type="text"/>
DNS Server6	<input type="text"/>
DNS Server7	<input type="text"/>
Operation	Add

<b>DHCP pool name</b>	The name of the created address pool	
<b>DNS server 0-7</b>	For the IP address in dotted decimal format, DNS server 0 has the highest priority. The smaller the number, the higher the priority. The DNS server can be set to zero or more, but the setting must start from 0 and there can be no vacancies in the middle, otherwise the DNS server The following parameters will be ignored, such as setting DNS server 0-1 and DNS server 7, only DNS server 0-1 takes effect	
<b>Operation</b>	Add	Add the DNS server effectively set above to the currently selected DHCP address pool
	Delete	Clear all DNS servers and restore to the default state

### 5.1.7.Excluded Address

Excluding the dynamic allocation address configuration, the user configures the addresses that are not used for dynamic allocation

Excluded Address

Starting address	<input type="text"/>
Ending address	<input type="text"/>
<input type="button" value="Apply"/>	

---

Exclude Address Table

Showing <input type="text" value="10"/> Entries	Showing 0 to 0 of 0 entries	Search <input type="text"/>
<input type="checkbox"/>	Starting address	Ending address
0 results found.		
<input type="button" value="Delete"/>		<input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Last"/>

<b>Starting address</b>	Start address not used for dynamic allocation	
<b>Ending address</b>	End address not used for dynamic allocation	
<b>Operation type</b>	Apply	Add the address range that is not used and dynamically allocated to the switch
	Delete	Delete the address range that is not used and dynamically allocated from the switch

Exclude Address Table

Showing <input type="text" value="10"/> Entries	Showing 1 to 1 of 1 entries	Search <input type="text"/>
<input type="checkbox"/>	Starting address	Ending address
<input type="checkbox"/>	1.1.1.10	1.1.1.20
<input type="button" value="Delete"/>		<input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="1"/> <input type="button" value="Next"/> <input type="button" value="Last"/>

Display the address range currently not used for dynamic allocation

### 5.1.8.Packet Statistics

DHCP server data packet statistics, users can view DHCP data packets.

Packet Statistics

Address Pools	Database Agents	Automatic Bindings	Manual Bindings	Conflict Bindings	Expired Bindings	Malformed Message
1	0	0	0	0	0	0

---

Message Received

BOOT REQUEST	DHCP Discover	DHCP Request	DHCP Decline	DHCP Release	DHCP Inform
0	0	0	0	0	0

---

Message Send

BOOT Reply	DHCP Offer	DHCP ACK	DHCP NAK	DHCP Relay	DHCP Forward
0	0	0	0	0	0

[Clear Statistics](#)

It can be viewed in real time by clicking "Clear Statistics"

### 5.1.9.Client List

The DHCP server's IP and MAC binding status, the user can view the binding entries and the relationship between the bound IP and MAC.

Client List

IP Address	Hardware Address	Lease Expiration	Type
------------	------------------	------------------	------

<b>IP address</b>	Client's IP address		
<b>Hardware address</b>	The hardware address or MAC address of the client		
<b>Lease expiration</b>	Client IP expiration time		
<b>Type</b>	Manual	Manual binding	
	Dynamic	Dynamic allocation	

## 5.2.DHCP Snooping

### 5.2.1.Global Config

With the enabling and disabling of the DHCP Snooping module, users can view and operate the status of DHCP Snooping.

Global Config

DHCP Snooping Status	<input type="radio"/> Off
----------------------	---------------------------

<b>DHCP Snooping status</b>	Off	Disable DHCP Snooping
	On	Enable DHCP Snooping



Global Config

DHCP Snooping Status	<input checked="" type="checkbox"/> On	
Action Num	10	(1-200,default 10)
Limit Rate	100	pps(0-100,default 100)

Apply

Display the current DHCP Snooping status

DHCP Snooping defense action number configuration, if the number of alarm messages is greater than the set number, it will force the restoration of the earliest defense measures to send new defense measures.

DHCP Snooping packet receiving rate limit sets the number of DHCP messages sent per second.

<b>DHCP Snooping action Num</b>	Set the maximum number of defense actions to avoid exhaustion of switch resources caused by attacks.	
<b>Limit Rate (Packet per second)</b>	Range: 0-100	
<b>Operation</b>	Apply	Configure the number of defense actions filled in above, default is 10, Configure the number of packets per second

Action Num	10	(1-200,default 10)
------------	----	--------------------

Display the current number of DHCP Snooping defense actions

Limit Rate	100	pps(0-100,default 100)
------------	-----	------------------------

Display the number of packets per second configured for the current DHCP Snooping

### 5.2.2.VLAN Config

With the enabling and disabling of the DHCP Snooping VLAN module, users can view and operate the status of DHCP Snooping VLAN.

VLAN Config

VLAN ID	--Please select --	
VLAN Enable	Disabled <span style="font-size: small;">▼</span>	

Apply

VLAN ID	Trust
VLAN0001	Disabled

<b>Port</b>	Port name	
<b>VLAN Enable</b>	Enable	Enable DHCP Snooping VLAN
	Disable	Disable DHCP Snooping VLAN

### 5.2.3.Static User Binding

When DHCP Snooping binding is enabled and disabled, users can view and operate the status of DHCP Snooping. When configuring this binding, users must ensure that the binding status is in the on state.

Static User Binding

Binding Status  Off

<b>DHCP Snooping binding status</b>	Off	Disable DHCP Snooping binding function
	On	Enable DHCP Snooping binding function

Static User Binding

Binding Status  On

MAC Address

IP Address

VLAN ID

Port

Apply

DHCP Snooping Binding Table

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	MAC Address	IP Address	Port	VLAN ID	Type
0 results found.					

Delete

[First](#) [Previous](#) [Next](#) [Last](#)

Shows whether the current DHCP Snooping binding status function is enabled

When DHCP Snooping binding is enabled and disabled, users can view and operate the status of DHCP Snooping. When configuring this binding, users must ensure that the binding status is in the on state.

<b>MAC address</b>	The MAC address of the statically bound user is the only index of the bound user	
<b>User IP address</b>	Statically bind the user's IP address	
<b>User mask</b>	Statically bind the user's subnet mask	
<b>VLAN ID</b>	Statically bind the VLAN ID of the user	
<b>Port</b>	Bind the user's access port statically, the port is associated with the VLAN ID, and the port is required to allow the VLAN to pass	
<b>Operation</b>	Apply	Add DHCP Snooping binding user relationship
	Delete	Delete DHCP Snooping binding user relationship

### 5.2.4.Helper-server Config

DHCP SNOOPING will send the monitored binding information to HELPER SERVER for storage. If the switch starts abnormally, you can recover the bound data from the HELPER SERVER

Helper-server Config

Helper-server Address	<input type="text"/>
Helper-server UDP Port	9119 (1-65535,default 9119)
Local IP Address	<input type="text"/>
Server Address Type	Primary <input type="button" value="v"/>

<input type="checkbox"/>	Helper-server Address	Helper-server UDP Port	Local IP Address	Server Address Type
--------------------------	-----------------------	------------------------	------------------	---------------------

<b>Helper-server address</b>	HELPER server address		
<b>Helper-server UDP port</b>	DHCP SNOOPING and HELPER SERVER use UDP protocol for communication, the port range is 1-65535.		
<b>Local IP address</b>	The effective management IP address of the switch		
<b>Second address</b>	Two HELPER server addresses are allowed, DHCP SNOOPING will first try to connect to the PRIMARY server. Only when the PRIMARY server cannot be accessed, the switch HELPER server will connect to the SECONDARY server. Set the PRIMARY server before setting up the SECONDARY server.		
<b>Operation</b>	Apply	Add HELPER server address	
	Delete	Delete the HELPER server address, you can leave it blank when deleting	

<input type="checkbox"/>	Helper-server Address	Helper-server UDP Port	Local IP Address	Server Address Type
<input type="checkbox"/>	192.168.2.11	9119	192.168.2.113	Primary

Display the process and error messages or results generated during application execution

### 5.2.5.Port Binding

DHCP SNOOPING will notify the DOT1X module of the binding information captured by the user controlled by the DOT1X. DHCP Snooping port binding dot1x function needs to enable DHCP Snooping binding configuration first.

**Port Binding**

Port	--Please select --	
Dot1x	Disabled	
User	Disabled	Enabled

Apply

Port	Dot1x	User
Ethernet1/0/1	Disabled	Disabled
Ethernet1/0/2	Disabled	Disabled
Ethernet1/0/3	Disabled	Disabled
Ethernet1/0/4	Disabled	Disabled
Ethernet1/0/5	Disabled	Disabled
Ethernet1/0/6	Disabled	Disabled
Ethernet1/0/7	Disabled	Disabled
Ethernet1/0/8	Disabled	Disabled

Port	Port name	
<b>DHCP Snooping binding dot1x status</b>	Enable	Enable the dot1x status of DHCP Snooping port binding
	Disable	Disable the dot1x binding status of the DHCP Snooping port

Display the dot1x binding status of each DHCP Snooping port of the switch

When this function is enabled on the port, DHCP SNOOPING will treat the captured binding information as a trusted user who is allowed to access all resources. The DHCP Snooping port binding user status function needs to enable the DHCP Snooping binding configuration first.

**Port Binding**

Port	--Please select --	
Dot1x	Disabled	
User	Disabled	Enabled

Apply

Port	Dot1x	User
Ethernet1/0/1	Disabled	Disabled
Ethernet1/0/2	Disabled	Disabled
Ethernet1/0/3	Disabled	Disabled
Ethernet1/0/4	Disabled	Disabled
Ethernet1/0/5	Disabled	Disabled
Ethernet1/0/6	Disabled	Disabled
Ethernet1/0/7	Disabled	Disabled
Ethernet1/0/8	Disabled	Disabled

Port	Port name	
<b>DHCP Snooping binding user status</b>	Enable	Enable DHCP Snooping port binding user status
	Disable	Disable DHCP Snooping port binding user status

Display the status of users bound to each DHCP Snooping port of the switch

## 5.2.6.Trust Port

When a port changes from an untrusted port to a trusted port, the original defense action of the port will be automatically deleted; all security history records will be cleared.

**Trust Port**

Port	--Please select --
Trust	Disabled <span style="font-size: small;">▼</span>

Apply

Port	Trust
Ethernet1/0/1	Disabled
Ethernet1/0/2	Disabled
Ethernet1/0/3	Disabled
Ethernet1/0/4	Disabled
Ethernet1/0/5	Disabled
Ethernet1/0/6	Disabled
Ethernet1/0/7	Disabled
Ethernet1/0/8	Disabled

Port	Port name	
<b>DHCP Snooping binding trust status</b>	Enable	Enable DHCP Snooping port trust attribute status
	Disable	Disable the trust attribute status of the DHCP Snooping port

Display the trust attribute status of each DHCP Snooping port of the switch

## 5.3.DHCP Relay Config

### 5.3.1.DHCP Relay Config

The switch DHCP relay configuration, the user configures the port range, and the switch sends UDP broadcast messages to the port.

**DHCP Relay Config**

DHCP Broadcast Suppress ?  Off

DHCP Relay Forwarding ?  On

Interface VLAN0001 ▼

Helper-server Address xxxxxxx.xxxx.xxx

Add

**DHCP Forward Protocol Table**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

	Forward Protocol	Interface	Helper-server Address
<input type="checkbox"/>	67(active)	Vlan20	192.168.20.80

Delete 
First
Previous
1
Next
Last

<b>DHCP Broadcast Suppress</b>	On: Enable DHCP broadcast suppress function Off: Disable DHCP broadcast suppress function Default is off	
<b>DHCP Relay Forwarding</b>	On: Sets DHCP relay to forward UDP broadcast packets on the port Off: Disable DHCP Relay Forwarding Default is off	
<b>Interface</b>	Established Layer 3 interface	
<b>Helper-server Address</b>	IP address of the Layer 3 interface	
<b>Operation</b>	Add	Add a Layer 3 interface for DHCP to forward UDP packets
	Delete	Delete the Layer 3 interface through which DHCP forwards UDP packets

## 6.ACL Config

### 6.1.Time Range Config

Time Range configuration module, the user can add or delete the operation of in this module, which can be applied to various ACL.

In the absolute mode you must input the start-time, end-time is not necessary.

You must input the weeks, start-time and end-time, but need not input the date including start and end time in the absolute-periodic.

You must input the weeks, start-time and end-time, but need not input the date including start and end time, and may input multi-week values, separate them with ",", such as:1-7:monday-sunday;31:daily;96:weekdays;127:weekend.

Input date format: YYYY.MM.DD.Input week format: number (1: Monday etc.), if input multi-week values, separate them with ",", such as:1,2 identify monday&tuesday..Input time format: HH:MM:SS.

### Time Range Config

In the "Absolute" type, the start time and end time must be selected. If the start time and end time are the same time, only the start time can be work in the "Absolute-period" type, a week value must be selected, including the start and end times, but cannot be the same in the "Period" type, you must select a week value, including start and end times.

Time Range Name	<input type="text"/>	(1-64 characters)
Time Range Type	Absolute	
Start Time	2023 - 01 - 01 00 : 00 : 00	
End Time	2023 - 01 - 01 00 : 00 : 00	

[Apply](#)

### Time Range Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	Time Range Name	Absolute	Periodic	Absolute-periodic
0 results found.				

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>Time range name</b>	Time period names must begin with alphabetic or numeric characters ,1-64 characters	
<b>Time range type</b>	absolute	Absolutely
	absolute-periodic	Absolute-periodic
	periodic	periodic
<b>Week</b>	Start or end weeks, "1-7":"monday-sunday"; "31":"daily"; "96":"weekdays"; "127":"weekend"	
<b>Time</b>	Start or end time,HH:MM:SS	
<b>Date</b>	Start or end date,YYYY.MM.DD, range2001.1.1-2038.12.31	
<b>Operation type</b>	Apply	Add operations
	Delete	Delete operations

## 6.2.IP ACL

### 6.2.1.IP Standard ACL

The digital standard IP access list configuration module, where users can create or modify parameters for the digital standard IP access list.

#### IP Standard ACL

ACL Name	<input type="text"/>	(1-64 string or number 1-99)
ACL Action	Permit	
Source Address Type	Any IP	
TPID	<input type="text"/>	(0-65535,Optional configuration)
VLANID	Not Configured	
DSCP	Not Configured	

[Apply](#)

#### IP Standard ACL Configuration Status Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	ACL Name	Source IP/Mask	TPID	VLANID/Mask	DSCP	ACL Action
0 results found.						

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>List name</b>	Digital Standard IP Access List Number 1-99	
<b>Rule</b>	permit	Rule permit
	deny	Rule deny
<b>Source address type</b>	Any IP	Match any IP address
	Specified IP	Match IP specified address
	Host IP	Match the specified host IP
<b>Source IP</b>	Source IP address, decimal point	
<b>Reverse network mask</b>	Source IP address mask, decimal point	
<b>tpid</b>	Label Protocol Identification ,0-65535	
<b>VLANID</b>	VLAN ID, 1-4094	
<b>VLANID mask</b>	VLAN mask, 0-4095	
<b>dcsp</b>	IP message priority ,0-63	

### 6.2.2.IP Extended ACL

Digital extension IP access list configuration module, where users can create or modify parameters for digital extension IP access list.

IP Extended ACL

ACL Name	<input type="text"/>	(1-64 string or number 100-299)
Operation Type	ICMP	▼
ACL Action	Permit	▼
Fragment Packet	Disabled	▼
Source Address Type	Any IP	▼
Destination Address Type	Any IP	▼
IP Precedence	Not Configured	▼
TOS	Not Configured	▼
Time Range Name	Not Configured	▼
ICMP Type	Not Configured	▼
ICMP Code	Not Configured	▼

[Apply](#)

IP Extendar ACL Configuration Status Table

Showing 10	▼	Entries	Showing 0 to 0 of 0 entries	Search	<input type="text"/>					
<input type="checkbox"/>	ACL Name	Operation Type	Source IP/Mask	Destination IP/Mask	Fragment Packet	IP Precedence	TOS	Operation Type Paramer	Time Range Name	ACL Action
0 results found.										
<a href="#">Delete</a>										
<a href="#">First</a> <a href="#">Previous</a> <a href="#">Next</a> <a href="#">Last</a>										

<b>List name</b>	Digital extensions IP access list numbers ,100-199	
<b>Operation type</b>	Extended operation type:ICMP.IGMP.TCP.UDP.EIGRP.GRE.IGRP.IPINIP.OSPF.IP.or Specified_protocol	
<b>ACL Action</b>	permit	Rule permit
	deny	Rule deny



<b>Fragment packet</b>	Optional whether long messages are transmitted in pieces	
<b>Source address type</b>	Any IP	Match any IP address
	Specified IP	Match IP specified address
	Host IP	Match the specified host IP
<b>Source IP</b>	Source IP address, decimal point	
<b>Reverse network mask</b>	Source IP address mask, decimal point	
<b>Destination address type</b>	Any IP	Match any IP address
	Specified IP	Match IP specified address
	Host IP	Match the specified host IP
<b>Destination IP</b>	Destination IP, decimal points	
<b>Reverse network mask</b>	Destination IP address mask, decimal point	
<b>IP precedence</b>	IP priority ,0-7	
<b>TOS</b>	Service type ,0-15	
<b>Time range name</b>	Time period names to be applied must begin with alphabetic or numeric characters ,1-64 characters	
<b>ICMP type</b>	ICMP message type ,0-255	
<b>ICMP code</b>	ICMP message code ,0-255	

## 6.3.MAC ACL

### 6.3.1.MAC Standard ACL

The digital standard MAC access list configuration module, where users can create or modify parameters for the digital standard MAC access list.

MAC Standard ACL

ACL Name	<input type="text" value=""/>	(700-799)
ACL Action	Permit	▼
Source Address Type	Any MAC	▼
<a href="#" style="background-color: #28a745; color: white; padding: 5px; text-decoration: none;">Apply</a>		

MAC Standard ACL Configuration Status Table

Showing 10	▼ Entries	Showing 0 to 0 of 0 entries	Search <input type="text" value=""/>
<input type="checkbox"/>	ACL Name	Source MAC/Mask	ACL Action
0 results found.			
<a href="#" style="background-color: #28a745; color: white; padding: 5px; text-decoration: none;">Delete</a>			<a href="#" style="background-color: #28a745; color: white; padding: 2px 5px; text-decoration: none;">First</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px; text-decoration: none;">Previous</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px; text-decoration: none;">Next</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px; text-decoration: none;">Last</a>

<b>List name</b>	Digital Standard MAC Access List Number 700-799	
<b>ACL Action</b>	permit	Rule permit

	deny	Rule deny
<b>Source address type</b>	Any MAC	Match any MAC address
	Specified MAC	Match MAC specified address
	Host MAC	Match the specified host MAC
<b>Source MAC</b>	Source MAC address	
<b>Reverse network mask</b>	source MAC address inverse mask	

### 6.3.2.MAC Extended ACL

Name extension MAC access list configuration module, where users can create or modify parameters for named extension MAC access list.

MAC Extended ACL

ACL Name	<input type="text"/>	(1-64 string or number 1100-1199)
ACL Action	Permit	▼
Source Address Type	Any MAC	▼
Destination Address Type	Any MAC	▼
Packet Type	None	▼
Cos	Not Configured	▼
Cos Mask	Not Configured	▼
VLANID	Not Configured	▼
EtherType	<input type="text"/>	(1536-65535, Optional configure)
EtherType Mask	Not Configured	▼

[Apply](#)

MAC Extended ACL Configuration Status Table

Showing 10 ▾ Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	ACL Name	Source MAC/Mask	Destination MAC/Mask	Packet Type	Cos/Mask	VLANID/Mask	EtherType/Mask	ACL Action
0 results found.								

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>List name</b>	Digital Extension MAC-IP Access List Number ,3100-3199	
<b>ACL Action</b>	permit	Rule permit
	deny	Rule deny
<b>Source address type</b>	Any MAC	Match any MAC address
	Specified MAC	Match MAC specified address
	Host MAC	Match the specified host MAC
<b>Source MAC</b>	Source MAC address	
<b>Reverse network mask</b>	source MAC address inverse mask	
<b>Destination address type</b>	Any MAC	Match any MAC address
	Specified MAC	Match MAC specified address
	Host MAC	Match the specified host MAC
<b>Destination</b>	Destination MAC address	

<b>MAC</b>		
<b>Reverse network mask</b>	Destination MAC address inverse mask	
<b>Packet type</b>	none	none
	tagged-802-3	Format of marked Ethernet 802-3 packets
	tagged-eth2	Format of marked Ethernet II packets
	untagged-802-3	Format of unmarked Ethernet 802-3 packets
	untagged-eth2	Format of unmarked Ethernet II packets
<b>cos</b>	cos, 0-7	
<b>cos mask</b>	cos mask, 0-7	
<b>VLANID</b>	VLAN ID, 1-4094	
<b>VLANID mask</b>	VLAN mask, 0-4095	
<b>etherType</b>	Ethernet type field value, 1536-65535	
<b>etherType mask</b>	Ethernet type field value mask, 0-65535	

## 6.4.MAC-IP Extended ACL

Name extension MAC-IP access list configuration module, where users can create or modify parameters for named extension MAC-IP access list.

MAC-IP Extended ACL

ACL Name	<input type="text"/>	(1-64 string or number 3100-3299)
Operation Type	ICMP	▼
ACL Action	Permit	▼
Source Address Type	Any MAC	▼
Destination Address Type	Any MAC	▼
Source Address Type	Any IP	▼
Destination Address Type	Any IP	▼
Paramer Options	Not Configured	▼
TPID	<input type="text"/>	(0-65535,Optional configuration)
VLANID	Not Configured	▼
Time Range Name	Not Configured	▼
ICMP Type	Not Configured	▼
ICMP Code	Not Configured	▼

[Apply](#)

MAC-IP Extended ACL Configuration Status Table

Showing 10 ▾ Entries Showing 0 to 0 of 0 entries

<input type="checkbox"/>	ACL Name	Operation Type	Source MAC/Mask	Destination MAC/Mask	Source IP/Mask	Destination IP/Mask	TPID	VLANID/Mask	DSCP	IP Precedence	TOS	Operation Type Paramer	Time Range Name	ACL Action
0 results found.														

[Delete](#) [First](#) [Previous](#) [Next](#) [Last](#)

<b>List name</b>	Digital Extension MAC-IP Access List Number ,3100-3199	
<b>Operation type</b>	Extension operation type : ICMP.IGMP.TCP.UDP.EIGRP.GRE.IGRP.IPINIP.OSPF.IP.or Specified_protocol	
<b>ACL Action</b>	permit	Rule permit
	deny	Rule deny
<b>Source address type</b>	Any MAC	Match any MAC address
	Specified MAC	Match MAC specified address
	Host MAC	Match the specified host MAC
<b>Source MAC</b>	Source MAC address	
<b>Reverse network mask</b>	source MAC address inverse mask	
<b>Destination address type</b>	Any MAC	Match any MAC address
	Specified MAC	Match MAC specified address
	Host MAC	Match the specified host MAC
<b>Destination MAC</b>	Destination MAC address	
<b>Reverse network mask</b>	Destination MAC address inverse mask	
<b>Source address type</b>	Any IP	Match any IP address
	Specified IP	Match IP specified address
	Host IP	Match the specified host IP
<b>Source IP</b>	Source IP address, decimal point	
<b>Reverse network mask</b>	Source IP address mask, decimal point	
<b>Destination address type</b>	Any IP	Match any IP address
	Specified IP	Match IP specified address
	Host IP	Match the specified host IP
<b>Destination IP</b>	Destination IP, decimal points	
<b>Reverse network mask</b>	Destination IPaddress mask, decimal point	
<b>tpid</b>	Label Protocol Identification ,0-65535	
<b>VLANID</b>	VLAN ID, 1-4094	
<b>VLANID mask</b>	VLAN mask, 0-4095	
<b>dcsp</b>	IP message priority 0-63	
<b>IP precedence</b>	IP priority ,0-7	
<b>TOS</b>	Service type ,0-15	

<b>Time range name</b>	Time period names to be applied must begin with alphabetic or numeric characters ,1-64 characters
<b>ICMP type</b>	ICMP message type ,0-255
<b>ICMP code</b>	ICMP message code ,0-255

## 6.5.ACL Binding

### 6.5.1.Binding Port

ACL port binding module, the user can bind and delete the access list of the specified port.

Binding Port

Port	--Please select --	
ACL Type	IP	
ACL Name		
Attached Direction	Ingress	
Apply		

---

Port Binding Status Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

	Port	ACL Name	ACL Type	Attached Direction
0				

0 results found.

Delete      First Previous Next Last

<b>Port</b>	Designated port number	
<b>ACL type</b>	IP	IP type
	MAC	MAC type
	MAC-IP	MAC-IP type
<b>List name</b>	Specify access list name ,1-64 characters	
<b>ACL Attached Direction</b>	in	Application ACL only
	in and traffic-statistics	Application ACL and flow monitoring
<b>Operation type</b>	Apply	Add operations
	Delete	Delete operations

### 6.5.2.Binding Vlan

ACL vlan binding module, where users can bind and delete access lists to specified VLAN.

**Binding Vlan**

VLAN Interface	--Please select --
ACL Type	IP
ACL Name	
Attached Direction	Ingress

---

**VLAN Binding Status Table**

Showing 10 Entries Showing 0 to 0 of 0 entries

<input type="checkbox"/>	VLAN Interface	ACL Name	ACL Type	Attached Direction
0 results found.				

<b>VLAN interface</b>	Specifies the VLAN number to operate on		
<b>ACL type</b>	Specifies the type of ACL to bind: IP.MAC.MAC-IP		
<b>List name</b>	Specify access list name ,1-64 characters		
<b>ACL Attached Direction</b>	in	Application ACL only	
	in and traffic-statistics	Application ACL and flow monitoring	
<b>Operation type</b>	Add	Add operations	
	Remove	Delete operations	

## 7.Ring Network

### 7.1.Spanning-tree

#### 7.1.1.Global Properties

This page uses the build tree function with global enable.

To display the “Global Properties” page, click Ring Network -> Spanning-tree -> Global Properties, click "Apply" to configure.

**Global Properties**

This page is used to configure the global basic parameters of the spanning tree.

Enabled  Off

<b>entry</b>	describe
<b>Operation</b>	On: enable spanning tree function Off: disables spanning tree functionality

Global Properties

This page is used to configure the global basic parameters of the spanning tree.

Enabled	<input checked="" type="checkbox"/>	
Mode	Mstp	
Cost Format	dot1t	
Forward Time	15	Sec(4-30, default 15)
Hello Time	2	Sec(1-10, default 2)
Max Age Time	20	Sec(6-40, default 20)
Max Hop Time	20	(1-40, default 20)
Priority	32768	(0-61440, default 32768)
TC Flush	Flush	

Apply

<b>Mode</b>	Generating tree protocol type: Mstp.Stp.Rstp
<b>Cost Format</b>	Path cost format:Dot1t.Dot1d
<b>Forward Time</b>	Size range :4-30, in seconds,the following conditions shall be met: $2 * (\text{Bridge\_Forward\_Delay} - 1.0 \text{ seconds}) \geq \text{Bridge\_Max\_Age}$ $\text{Bridge\_Max\_Age} \geq 2 * (\text{Bridge\_Hello\_Time} + 1.0 \text{ seconds})$
<b>Hello Time</b>	Size range :1-10, in seconds,the following conditions shall be met: $2 * (\text{Bridge\_Forward\_Delay} - 1.0 \text{ seconds}) \geq \text{Bridge\_Max\_Age}$ $\text{Bridge\_Max\_Age} \geq 2 * (\text{Bridge\_Hello\_Time} + 1.0 \text{ seconds})$
<b>Max Age Time</b>	Size range :6-40, in seconds,the following conditions shall be met: $2 * (\text{Bridge\_Forward\_Delay} - 1.0 \text{ seconds}) \geq \text{Bridge\_Max\_Age}$ $\text{Bridge\_Max\_Age} \geq 2 * (\text{Bridge\_Hello\_Time} + 1.0 \text{ seconds})$
<b>Max Hop Time</b>	Numerical range :1-40
<b>Priority</b>	Numerical range :0-61440, and an integer multiple of 4096

## 7.1.2.Instance Mapping

This page can be used to configure the mapping relationship between the spanning tree instance and the VLAN.

Instance Mapping

This page is used to generate tree instance mapping vlan configuration.

Instance Mapping Configuration	
Instance	0 <input type="button" value="v"/>
Operation	Add <input type="button" value="v"/>
VLAN List	<input type="text" value=""/> (1-4094, for example: 1;3-6)
<input type="button" value="Apply"/>	

---

Instance Mapping Status

Showing  Entries Showing 1 to 1 of 1 entries

Instance	VLAN List
0	1-4094

<b>Entry</b>	describe
<b>Instance name</b>	Generating tree instance ID, range 0-64
<b>Operation</b>	Add: Add the above configuration information Delete: Delete the above configuration information
<b>VLAN name</b>	VLAN ID, range: 1-4094

Instance Mapping Status

Showing  Entries Showing 1 to 1 of 1 entries

Instance	VLAN List
0	1-4094

<b>Entry</b>	describe
<b>Instance name</b>	Generating tree instance ID, size range 0-64
<b>VLAN name</b>	VLAN ID, range : 1-4094



### 7.1.3.Instance Properties

This page can be used to configure MSTP domain name and MSTP revision level.

Instance Properties

This page is used for spanning tree instance parameter configuration.

Instance Properties Configuration	
Field Name	<input type="text"/> (1-32 characters, and cannot special char(!%#\$%&< > *? \), not entering indicates deletion)
Revision-level	<input type="text"/> (0-65535)

Apply

Field Name	Revision-level
	0

<b>Entry</b>	describe
<b>Field name</b>	MSTP domain name, the length is 1-32 characters
<b>Revision-level</b>	Range :0-65535
<b>Operation</b>	Apply: Use the above configuration

### 7.1.4.Port Config

This page can be used to configure enable or disable the tree generation function under the port.

Port Config

This page is used to generate tree port parameter configuration.

Port	<input type="text" value="--Please select --"/>
Status	<input type="button" value="Enabled"/>
BPDU	<input type="button" value="Disabled"/>
Edge Port	<input type="button" value="Disabled"/>
Point-to-Point	<input type="button" value="Auto"/>
Packet Format	<input type="button" value="Auto"/>
Digest Snooping	<input type="button" value="Disabled"/>
TC Flush	<input type="button" value="Default"/> (Default to global TC FLUSH value)

Apply
Protocol Migration Check

Port	Status	BPDU	Edge Port	Point-to-Point	Packet Format	Digest Snooping	TC Flush
Ethernet1/0/1	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/2	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/3	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/4	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/5	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/6	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/7	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush
Ethernet1/0/8	Enabled	Disabled	Disabled	Auto	Auto	Disabled	Flush

<b>Port</b>	Ethernet port name
<b>Status</b>	Enable: Port enable spanning tree function Disable: Port disables spanning tree functionality
<b>BPDU</b>	Disabled; VLAN: 1-4094

<b>Edge Port</b>	Disabled; Enabled; BPDU Filter; BPDU Guard;
<b>Point-to-Point</b>	Auto; Disabled; Enabled;
<b>Packet Format</b>	Auto; Privacy; Standard;
<b>Digest Snooping</b>	Disabled; Enabled;
<b>TC Flush</b>	no Flush; Flush; Limit
<b>Operation</b>	Apply
	Protocol Migration Check

### 7.1.5.Port Instance

This page can be used for configuration of instance port priority.

Port Instance

This page is used to generate tree port instance parameter configuration.

Instance	0				
Port	--Please select --				
Path Cost	0	(0-200000000)(0=>Auto)			
Priority	0				
Port Guard	Auto				

Apply

Instance	Port	Path Cost	Priority	Port Guard
0	Ethernet1/0/1	Auto	128	Auto
0	Ethernet1/0/2	Auto	128	Auto
0	Ethernet1/0/3	Auto	128	Auto
0	Ethernet1/0/4	Auto	128	Auto
0	Ethernet1/0/5	Auto	128	Auto
0	Ethernet1/0/6	Auto	128	Auto
0	Ethernet1/0/7	Auto	128	Auto
0	Ethernet1/0/8	Auto	128	Auto

<b>Instance name</b>	Generate tree instance name
<b>Port</b>	Ethernet port name
<b>Cost</b>	Size range :0-200000000
<b>Priority</b>	The size range is: 0-240, multiple of

	16
<b>Priority</b>	Auto; Root Guard; Loop Guard;
<b>Operation</b>	Configuration: Apply the above configuration

## 7.1.6.Status

This page can be used to view information for the spanning-tree status.

Runing Status Information

MSTP Bridge Config Info					
Mode	Bridge MAC	Max Age Time	Hello Time	Forward Time	Force Version
RSTP(IEEE 802.1s)	84e5d8e0:1cb1	20s	2s	15s	3

Instance0	
Self Bridge ID	32768.84e5d8e0:1cb1
Root ID	this switch
Ext.RootPathCost	0
Region Root ID	this switch
Int.RootPathCost	0
Root Port ID	0

Port	ID	Max Age Time	Int.RootPathCost	State	Role	DsgBridge	DsgPort
Ethernet1/0/2	128.002	0	0	Forward	DSGN	32768.84e5d8e0:1cb1	128.002

## 7.2.ERPS

### 7.2.1.ERPS Ring Config

This page can be used for configuration of ERPS Ring.

ERPS Ring Config

Create or delete ERPS ring.

Topology Change Propagation: None

Apply

Ring Name	<input type="text"/>	(1-64 character)
Version	V2	
Ring-topo	major-ring	
Port1 Configure	Yes	
Port0	Ethernet1/0/1	
Port1	Ethernet1/0/2	
R-APS Virtual-Channel	Without	

Apply

ERPS Configuration Status Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	Ring Name	Port0	Port1	Ring-topo	R-APS Virtual-Channel	Version	Instance Count
0 results found.							

Delete      First Previous Next Last

<b>Topology Change Propagation</b>	None; ERPS; STP;
<b>Ring Name</b>	The ERPS ring name created,1-64 character
<b>Version</b>	If configured ERPS ring to support v1, this ring will not support multi-instance. ERPS ring instance does not support the management commands of MS, FS. If configured ERPS ring to support v2, the instance of this ring will deal with the ERPS packets according to the v1 format. Package the R-APS packets and resolve the fields according to v1 format. The fields defined by v2 will not be dealt. V1: Means to support v1 which is released in 2008-06 and the amendment (2009-04) V2: Means to support v2 which is released in 2010-03 and the amendment (2010-06)
<b>Ring-topo</b>	major-ring: Configure the ERPS ring as the major ring open-ring: Configure the ERPS ring as the open ring
<b>Port1 Configure</b>	No: Port1 is not allowed to be configured. Yes: Port1 is allowed to be configured.
<b>Port0</b>	Select port as Port 0 for ERPS
<b>Port1</b>	Select port as Port 1 for ERPS
<b>R-APS Virtual-Channel</b>	Configure if there is the R-APS virtual channel in ERPS ring according to the configuration. Inputting:

	<p>Success or error. If there is not R-APS virtual channel on the ERPS ring, the R-APS channel of all the instances of ERPS ring will be unblocked forever and it only blocks the data channel; otherwise, the R-APS channel and the data channel will be blocked at the same time.</p> <p>Without: The R-APS virtual channel is not existed in this ERPS ring.</p> <p>With: The R-APS virtual channel is existed in this ERPS ring.</p>
<b>Operation</b>	Apply
	Delete

## 7.2.2.ERPS Instance Config

This page can be used for configuration of ERPS Instance.

ERPS Instance Config

Ring Name	1	
Instance ID	1	
Control VLAN	VLAN0002	
Ring ID	1	
R-APS MEL	7	
Description		(1-64 characters)
Revertive Mode	Revertive	
Protected Instance		(0-64,use '-' and ',' splice,for example:1,3-6)
WTR Timer	5	(1-12min,default 5)
Guard Timer	50	(1-200ms,default 50)
Holdoff Timer	0	(0-10s,default 0)
Port0 Role	Common	
Port1 Role	Common	

[Apply](#)

ERPS Configuration Status Table

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

<input type="checkbox"/>	Ring Name	Instance ID	Control VLAN	Ring ID	R-APS MEL	Description	Revertive Mode	Protected Instance	WTR Timer	Guard Timer	Holdoff Timer	Port0 Role	Port1 Role
0 results found.													

[Delete](#)      [First](#) [Previous](#) [Next](#) [Last](#)

<b>Ring Name</b>	Select the ERPS ring you created
<b>Instance ID</b>	Create the ERPS ring instance ID, id of ERPS ring, the range is 1 to 16
<b>Control Vlan</b>	vlan id of R-APS packets, range is from 2 to 4094
<b>Ring ID</b>	ERPS ring id and the range is 1 to 64

<b>R-APS MEL</b>	The level value of APS packets, range is from 1 to 7
<b>Description</b>	ERPS instance name, the maximum string is 64, and it is made up with letters, numbers and underlines; the first and last characters cannot be underlines.
<b>Revertive Mode</b>	Configure the ERPS ring instance as non-revertive. If this ERPS ring supports v1, then cannot be configured. Only configured on the RPL owner node of the sub ring. Non-Revertive; Revertive;
<b>Protect ID</b>	The MSTP instance list protected by ERPS ring instance
<b>WTR Timer</b>	WTR timer is used to avoid the frequent protection switching of RPL owner node because of the periodic (intermittent) default. The interval is 1min and the range is from 1 to 12min, default is 5min.
<b>Guard Timer</b>	The guard timer is used for the Ethernet node to avoid the error handling and the close loop according to the outdated R-APS packets. The interval is 10ms and the range is 10ms to 2s, default is 500ms.
<b>Holdoff Timer</b>	The interval is 1s and the range is 0 to 10s, default is 0s.
<b>Port0 Role</b>	Common is default config, it is the ordinary transmission node type.
<b>Port1 Role</b>	<ul style="list-style-type: none"> <li>• Owner</li> <li>• Neighbour</li> <li>• Common</li> </ul>
<b>Operation</b>	Apply
	Delete

### 7.2.3.View ERPS Statistics

This page can be used for configuration of ERPS Statistics.

View ERPS Statistics

ERPS Instance Table

Showing 10 Entries Showing 0 to 0 of 0 entries

Ring Name	Instance ID	Instance Port	Port Role	Port Status	Signal Status	Node Id	BPR	nrTx	nrRx	rbTx	rbRx	fsTx	fsRx	msTx	msRx	sfTx	sfRx	eventTx	eventRx	totalTx	totalRx
0 results found.																					

[First](#)
[Previous](#)
[Next](#)
[Last](#)

<b>Ring Name</b>	The ERPS ring name whe you created
<b>Instance ID</b>	The ERPS ring instance ID when you create
<b>Intance Port</b>	The ERPS ring member ports
<b>Port Role</b>	ERPS ring node roles: RPL Owner, RPL neighbor, Common
<b>Port States</b>	Blocked: port is in block status forwarding: port is in forwarding status
<b>Signal Status</b>	ERPS ring port fault status: Non-failed: no fault Failed: fault happened
<b>Last NodeID</b>	The node ID information is the last bit of the MAC
<b>Last Bpr</b>	The block link information carried by the receiving last R-APS saved by ERPS ring port, it is port0 or port1 which was blocked.
<b>rbTX</b>	RB transport statistics
<b>rbRX</b>	RB receive statistics
<b>nrTX</b>	NR transport statistics
<b>nrRX</b>	NR receive statistics
<b>fsTX</b>	FS transport statistics
<b>fsRX</b>	FS receive statistics
<b>msTX</b>	MS transport statistics
<b>msRX</b>	MS receive statistics
<b>sfTX</b>	SF transport statistics
<b>sfRX</b>	SF receive statistics
<b>eventTX</b>	Event transport statistics
<b>eventRX</b>	Event receive statistics

<b>totalTX</b>	Total transport statistics
<b>totalRX</b>	Total receive statistics

## 8.Route Config

### 8.1.Static Route

This page can be used for the basic configuration of static routing.

Static Route

Destination IP Address	<input type="text"/>
Mask Or Prefix-length	<input type="text"/>
Nexthop Or null0	<input type="text"/>
Distance	1 <input type="text"/>

[Apply](#)

---

Static Routing Configuration Status Table

Showing <input type="text" value="10"/> Entries	Showing 0 to 0 of 0 entries	Search <input type="text"/>	
<input type="checkbox"/>	Destination IP Address/Mask	Nexthop Or null0	Distance
0 results found.			
<a href="#" style="background-color: #28a745; color: white; padding: 2px 5px;">Delete</a>		<a href="#" style="background-color: #28a745; color: white; padding: 2px 5px;">First</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px;">Previous</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px;">Next</a> <a href="#" style="background-color: #28a745; color: white; padding: 2px 5px;">Last</a>	

<b>Destination IP address</b>	IP address, format: 10.10.11.11
<b>Network mask or prefix-length</b>	Subnet mask in the following format: 255.255.255.0; or mask length
<b>Nexthop or Interface null0</b>	IP address, format: 10.10.11.11. or null0
<b>Distance</b>	Range :1-255
<b>Operation type</b>	Apply: Add the above settings Delete: Delete the above



## 8.2. Routing Table

This page can be view for the basic status of routing table.

Routing Table

Routing-Table Entries    Status ▼

Routing Status Table

Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP

O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default

C    127.0.0.0/8 is directly connected, Loopback tag:0

C    192.168.2.0/24 is directly connected, Vlan1 tag:0

Total routes are : 2 item(s)

<b>Routing-Table Entries</b>	Status; Database; Connect Route; Static Route; Statistics; Kernel Route; FIB;
------------------------------	---

## 9.Multicast Manage

### 9.1.IGMP Snooping Config

#### 9.1.1.Basic Config

Switch IGMP Snooping global switch, snooping IGMP messages

Basic Config

This page is used to configure the basic parameters of the IGMP SNOOPING function

	Status	Disabled <span style="font-size: small;">▼</span>
VLAN ID <span style="font-size: x-small; color: red;">?</span>		--Please select --

Apply

---

IGMP VLAN List

Showing 10 Entries Showing 0 to 0 of 0 entries Search

	VLAN ID	Status
<input type="checkbox"/>		0 results found.

Delete 
First
Previous
1
Next
Last

<b>Switch on-off IGMP Snooping</b>	Enable	Turn on the global switch of IGMP Snooping on the switch
	Disable	Turn off the global switch of IGMP Snooping on the switch
<b>VLAN ID</b>	Created VLAN ID	

IGMP VLAN List

Showing 10 Entries Showing 1 to 1 of 1 entries Search

	VLAN ID	Status
<input type="checkbox"/>	1	OPEN

Delete 
First
Previous
1
Next
Last

Display the current existing VLAN interface and the running status of IGMP Snooping under the VLAN interface

## 9.1.2.Static Router Port

IGMP Snooping mrouter port parameter configuration.

**Static Router Port Config**

This page is used to configure static routing ports and corresponding aging time

VLAN ID	--Please select --	
Static Router Port	--Please select --	
Operation Type <span style="color: red; font-size: small;">?</span>	Not Set <span style="font-size: small;">▼</span>	
Alive Time	255	(1-65535,Default:255)

Apply

---

**VLAN Based Static Routing Port List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Static Router Port	Alive Time
1		255

First
Previous
1
Next
Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Mrouter port</b>	Port name	
<b>Mrouter port alive time</b>	Time to live of the port, range: 1-65535	
<b>Operation type</b>	Apply	Add the mrouter port parameter configuration checked under the selected VLAN

**VLAN Based Static Routing Port List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Static Router Port	Alive Time
1	1	255

First
Previous
1
Next
Last

Display current configuration information

## 9.1.3.VLAN Config

Configure IGMP Snooping based on VLAN interface.

**VLAN Config**

This page is used to configure IGMP SNOOPING VLAN related parameters

VLAN ID	--Please select --	
Immediate leave	Enabled <span style="font-size: small;">▼</span>	
L2-general-Querier	Enabled <span style="font-size: small;">▼</span>	
Group number	50	(1-65535,Default:50)
Source Table Number	40	(1-65535,Default:40)

Apply

---

**IGMP VLAN Configuration List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Immediate leave	L2-general-Querier	Group number	Source Table Number
1	Disable	Disable	50	40

First
Previous
1
Next
Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Immediate leave configuration</b>	IGMP fast leave function in VLAN	
<b>L2-general-querier configuration</b>	Used to send regular queries regularly to help switches in this network segment learn the mrouter port	
<b>Group number</b>	The upper limit of the total number of groups. When the number of joined groups reaches the limit, the newly joined groups will be rejected to prevent hostile attacks. The default is 50, and the range: 1-65535.	
<b>Source table number</b>	The maximum number of source entries in each group, including include sources and exclude sources. The default is 40, and the range: 1-65535.	
<b>Operation</b>	Configuration	Configure the checked parameters into the selected VLAN

Note: Whether it is to configure parameters or restore the default state, it is required to check the box at the back to take effect. The group number and the number of source table entries are unified functions, so the two function parameters will take effect together (when one parameter is set, the other will be set to the default value).

IGMP VLAN Configuration List				
VLAN ID	Immediate leave	L2-general-Querier	Group number	Source Table Number
1	Disable	Disable	50	40

Showing 10 Entries      Showing 1 to 1 of 1 entries      Search

First Previous 1 Next Last

Display the configuration parameters of the existing VLAN

### 9.1.4. Querier Config

IGMP Snooping query parameter configuration.

Querier Config

This page is used to configure query related parameters

VLAN ID	--Please select--		
Query-Interval	125	(1-65535,Default:125)	
Query-Mrsp-Max	10	(1-25,Default:10)	
Query-Robustness	2	(2-10,Default:2)	
Suppression-Query-Time ?	255	(1-65535,Default:255)	

Apply

Querier Configuration List				
VLAN ID	Query-Interval	Query-Mrsp-Max	Query-Robustness	Suppression-Query-Time ?
1	125	10	2	

Showing 10 Entries      Showing 1 to 1 of 1 entries      Search

First Previous 1 Next Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Query-Interval</b>	IGMP Snooping query interval, range: 1-65535	
<b>Query-mrsp configuration</b>	Maximum response time for group query	
<b>Query-robustness configuration</b>	IGMP Snooping robustness, range: 2-10	
<b>Suppression-query-time configuration</b>	Prohibited query time, range: 1-65535	
<b>Operation type</b>	Apply	Add the mrouter port parameter configuration checked under the selected VLAN

Querier Configuration List

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Query-Interval	Query-Mrsp-Max	Query-Robustness	Suppression-Query-Time
1	125	10	2	

[First](#)
[Previous](#)
[1](#)
[Next](#)
[Last](#)

Display current configuration information

### 9.1.5.Multicast Table

The page displayed multicast table information.

Multicast Table

This page is used to view the multicast table

VLAN ID    
Apply

Multicast table

Showing 10 Entries Showing 0 to 0 of 0 entries Search

Number	Group IP	Member Port	Exptime	Source MAC	Version
0 results found.					

[First](#)
[Previous](#)
[Next](#)
[Last](#)

## 9.2.MLD Snooping Config

### 9.2.1.Basic Config

Switch MLD Snooping global switch, MLD snooping messages

Basic Config

This page is used to configure the basic parameters of the MLD SNOOPING function

	Status	Disabled
VLAN ID		--Please select--

Apply

---

MLD VLAN List

Showing 10 Entries      Showing 0 to 0 of 0 entries      Search

	VLAN ID	Status
<input type="checkbox"/>		

Delete

First Previous Next Last

<b>Switch on-off IGMP Snooping</b>	Enable	Turn on the global switch of IGMP Snooping on the switch
	Disable	Turn off the global switch of IGMP Snooping on the switch
<b>VLAN ID</b>	Created VLAN ID	

MLD VLAN List

Showing 10 Entries      Showing 1 to 1 of 1 entries      Search

	VLAN ID	Status
<input type="checkbox"/>	1	OPEN

Delete

First Previous 1 Next Last

Display the current existing VLAN interface and the running status of IGMP Snooping under the VLAN interface

## 9.2.2.Static Router Port

MLD Snooping mrouter port parameter configuration.

**Static Router Port Config**

This page is used to configure static routing ports and corresponding aging time

VLAN ID	--Please select --	
Static Router Port	--Please select --	
Operation Type <span style="color: red; font-size: small;">?</span>	Not Set	
Alive Time	255	(1-65535,Default:255)

Apply

---

**VLAN Based Static Routing Port List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Static Router Port	Alive Time
1		255

First
Previous
1
Next
Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Mrouter port</b>	Port name	
<b>Mrouter port alive time</b>	Time to live of the port, range: 1-65535	
<b>Operation type</b>	Apply	Add the mrouter port parameter configuration checked under the selected VLAN

**VLAN Based Static Routing Port List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Static Router Port	Alive Time
1	1	255

First
Previous
1
Next
Last

Display current configuration information

## 9.2.3.VLAN Config

Configure MLD Snooping based on VLAN interface.

**VLAN Config**

This page is used to configure MLD SNOOPING VLAN related parameters

VLAN ID	--Please select --	
Immediate leave	Enabled	
L2-general-Querier	Enabled	
Group number	50	(1-65535,Default:50)
Source Table Number	40	(1-65535,Default:40)

Apply

---

**MLD VLAN Configuration List**

Showing 10 Entries Showing 1 to 1 of 1 entries Search

VLAN ID	Immediate leave	L2-general-Querier	Group number	Source Table Number
1	Disable	Disable	50	40

First
Previous
1
Next
Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Immediate leave configuration</b>	MLD fast leave function in VLAN	
<b>L2-general-querier configuration</b>	Used to send regular queries regularly to help switches in this network segment learn the mrouter port	
<b>Group number</b>	The upper limit of the total number of groups. When the number of joined groups reaches the limit, the newly joined groups will be rejected to prevent hostile attacks. The default is 50, and the range: 1-65535.	
<b>Source table number</b>	The maximum number of source entries in each group, including include sources and exclude sources. The default is 40, and the range: 1-65535.	
<b>Operation</b>	Configuration	Configure the checked parameters into the selected VLAN

Note: Whether it is to configure parameters or restore the default state, it is required to check the box at the back to take effect. The group number and the number of source table entries are unified functions, so the two function parameters will take effect together (when one parameter is set, the other will be set to the default value).

MLD VLAN Configuration List				
VLAN ID	Immediate leave	L2-general-Querier	Group number	Source Table Number
1	Disable	Disable	50	40

Showing 10 Entries      Showing 1 to 1 of 1 entries      Search

First Previous 1 Next Last

Display the configuration parameters of the existing VLAN



## 9.2.4.Querier Config

MLD Snooping query parameter configuration.

Querier Config

This page is used to configure query related parameters

VLAN ID	--Please select --	
Query-Interval	125	(1-65535,Default:125)
Query-Mrsp-Max	10	(1-25,Default:10)
Query-Robustness	2	(2-10,Default:2)
Suppression-Query-Time <span style="color: orange;">?</span>	255	(1-65535,Default:255)

Apply

---

Querier Configuration List

Showing 10 Entries Showing 1 to 1 of 1 entries

VLAN ID	Query-Interval	Query-Mrsp-Max	Query-Robustness	Suppression-Query-Time <span style="color: orange;">?</span>
1	125	10	2	

First
Previous
1
Next
Last

<b>VLAN ID</b>	Created VLAN ID	
<b>Query-Interval</b>	MLD Snooping query interval, range: 1-65535	
<b>Query-mrsp configuration</b>	Maximum response time for group query	
<b>Query-robustness configuration</b>	MLD Snooping robustness, range: 2-10	
<b>Suppression-query-time configuration</b>	Prohibited query time, range: 1-65535	
<b>Operation type</b>	Apply	Add the mrouter port parameter configuration checked under the selected VLAN

Querier Configuration List

Showing 10 Entries Showing 1 to 1 of 1 entries

VLAN ID	Query-Interval	Query-Mrsp-Max	Query-Robustness	Suppression-Query-Time <span style="color: orange;">?</span>
1	125	10	2	

First
Previous
1
Next
Last

Display current configuration information

## 9.2.5.Multicast Table

The page displayed multicast table information.

Multicast Table

This page is used to view the multicast table

VLAN ID VLAN0001

Apply

Multicast table

Showing 10 Entries Showing 0 to 0 of 0 entries Search

Number	Group IP	Member Port	Exptime	Version
0 results found.				

First
Previous
Next
Last

## 10.QoS Config

### 10.1.Port Config

#### 10.1.1.Trust Config

Configure port trust rules

Trust Config

This page is used to set port trust configuration

Port --Please select --

Trust Class COS

Operation Type Add

Apply

Port	Trust Class
Ethernet1/0/1	COS
Ethernet1/0/2	COS
Ethernet1/0/3	COS
Ethernet1/0/4	COS
Ethernet1/0/5	COS
Ethernet1/0/6	COS
Ethernet1/0/7	COS
Ethernet1/0/8	COS

<b>Port</b>	To configure the port name, click to expand the remaining ports	
<b>Trust class</b>	COS	Cos to intp mapping based on intp field
	DSCP	Intp field based on dscp to intp mapping
<b>Operation</b>	add	Add a trust rule for the port
	Delete	Remove a trust rule for the port

## 10.1.2.Weight Config

Configure the port to process the priority of packets according to different queue scheduling algorithms

**Weight Config**

This page is used to set the port scheduling mode and queue weights

Scheduling Type	sp	
Port	--Please select --	
Weight1	1	weight(0-127)
Weight2	2	weight(0-127)
Weight3	3	weight(0-127)
Weight4	4	weight(0-127)
Weight5	5	weight(0-127)
Weight6	6	weight(0-127)
Weight7	7	weight(0-127)
Weight8	8	weight(0-127)

Apply

<b>Port</b>	To configure the port name, click to expand the remaining ports	
<b>Queue schedule algorithm</b>	sp	Strict queuing priority, packet transmission in order of priority.
	wrr	Weighted round-robin scheduling. Rotate scheduling between queues to ensure that each queue gets a certain amount of service time
	wdr	Weighted difference round-robin scheduling, based on message length transmission, based on the combined effect of weight and K value to generate the length of transmission in the message queue

Configure the weight value of the eight queues of each port, and allocate the number of packets according to the weight value

**Weight Config**

This page is used to set the port scheduling mode and queue weights

Scheduling Type	wrr	
Port	--Please select --	
Weight1	1	weight(0-127)
Weight2	2	weight(0-127)
Weight3	3	weight(0-127)
Weight4	4	weight(0-127)
Weight5	5	weight(0-127)
Weight6	6	weight(0-127)
Weight7	7	weight(0-127)
Weight8	8	weight(0-127)

Apply

<b>Port</b>	To configure the port name, click to expand the remaining ports
-------------	---

<b>Weight1</b>	The weight value of queue 1, the range is 0-127	
<b>Weight2</b>	The weight value of queue 2, the range is 0-127	
<b>Weight3</b>	The weight value of queue 3, the range is 0-127	
<b>Weight4</b>	The weight value of queue 4, the range is 0-127	
<b>Weight5</b>	The weight value of queue 5, the range is 0-127	
<b>Weight6</b>	The weight value of queue 6, the range is 0-127	
<b>Weight7</b>	The weight value of queue 7, the range is 0-127	
<b>Weight8</b>	The weight value of queue 8, the range is 0-127	
<b>Operation</b>	Apply	Add the weight of each queue to the port, and fill in all the weights of each queue before adding

Port	Queue Weight
Ethernet1/0/1	1 2 3 4 5 6 7 8
Ethernet1/0/2	1 2 3 4 5 6 7 8
Ethernet1/0/3	1 2 3 4 5 6 7 8
Ethernet1/0/4	1 2 3 4 5 6 7 8
Ethernet1/0/5	1 2 3 4 5 6 7 8
Ethernet1/0/6	1 2 3 4 5 6 7 8
Ethernet1/0/7	1 2 3 4 5 6 7 8
Ethernet1/0/8	1 2 3 4 5 6 7 8
Ethernet1/0/9	1 2 3 4 5 6 7 8
Ethernet1/0/10	1 2 3 4 5 6 7 8

Information feedback window

Configure the weight value of the eight queues of each port, transmit based on the length of the message, and generate the transmission length in the message queue based on the combined action of the weight and the K value

Weight Config

This page is used to set the port scheduling mode and queue weights

Scheduling Type	wdrr	
Port	--Please select--	
Weight1	1	weight(0-127)
Weight2	2	weight(0-127)
Weight3	4	weight(0-127)
Weight4	8	weight(0-127)
Weight5	16	weight(0-127)
Weight6	32	weight(0-127)
Weight7	64	weight(0-127)
Weight8	64	weight(0-127)

<b>Port</b>	To configure the port name, click to expand the remaining ports
<b>Weight1</b>	The weight value of queue 1, the range is 0-32767
<b>Weight2</b>	The weight value of queue 2, the range is 0-32767
<b>Weight3</b>	The weight value of queue 4, the range is 0-32767
<b>Weight4</b>	The weight value of queue 8, the range is 0-32767
<b>Weight5</b>	The weight value of queue 16, the range is 0-32767
<b>Weight6</b>	The weight value of queue 32, the range is 0-32767

<b>Weight7</b>	The weight value of queue 64, the range is 0-32767	
<b>Weight8</b>	The weight value of queue 64, the range is 0-32767	
<b>Operation</b>	Apply	Add the weight of each queue to the port, and fill in all the weights of each queue before adding

Port	Queue Weight
Ethernet1/0/1	1 2 4 8 16 32 64 64
Ethernet1/0/2	1 2 4 8 16 32 64 64
Ethernet1/0/3	1 2 4 8 16 32 64 64
Ethernet1/0/4	1 2 4 8 16 32 64 64
Ethernet1/0/5	1 2 4 8 16 32 64 64
Ethernet1/0/6	1 2 4 8 16 32 64 64
Ethernet1/0/7	1 2 4 8 16 32 64 64
Ethernet1/0/8	1 2 4 8 16 32 64 64
Ethernet1/0/9	1 2 4 8 16 32 64 64
Ethernet1/0/10	1 2 4 8 16 32 64 64

Information feedback window

### 10.1.3.CoS-To-IntP Config

Configure the value mapped from the COS value to the internal priority (queue).

CoS-To-IntP Map

This page is used to set the mapping relationship between COS and internal priority

CoS	0	1	2	3	4	5	6	7
IntP	0	1	2	3	4	5	6	7

Apply

<b>CoS value</b>	The COS value carried in the message or the default COS value assigned when entering	
<b>IntP value</b>	The value of the internal priority (queue) to which the COS value will be mapped	
<b>Operation type</b>	Configuration	Configure the value of COS to IntP

Display the execution process and the current mapping relationship

### 10.1.4.DSCP-To-IntP Config

Configure the value mapped from the DSCP value to the IntP value.

DSCP-To-IntP Map

This page is used to set the mapping relationship between DSCP and internal priority

DSCP	--Please select --
IntP	0

Apply

<b>DSCP value1-DSCP value8(optional)</b>	Up to eight DSCP values can be configured to the new IntP value, among which DSCP value1 is required, DSCP value2-8 is optional, range: 0-63
--	--

<b>IntP value</b>	New IntP value, range: 0-7	
<b>Operation type</b>	Apply	Configure DSCP to IntP value

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

Shows the execution process and the current mapping relationship. The vertical d1 represents the tens digit of DSCP, and the horizontal d2 represents the single digit of DSCP. The value of the intersection of the two is the mapping value.

### 10.1.5. Policy Config

Configure the port's policy table, and the port will process packets according to the rules of the classification table in the policy table.

Policy Config

This page is used to set policy configuration on the port.

<b>Port</b>	--Please select --
<b>Policy-Map Name</b>	▼
<b>Operation Type</b>	Add ▼

Apply

Port	Policy-Map Name
Ethernet1/0/1	none
Ethernet1/0/2	none
Ethernet1/0/3	none
Ethernet1/0/4	none
Ethernet1/0/5	none
Ethernet1/0/6	none
Ethernet1/0/7	none
Ethernet1/0/8	none

<b>Port</b>	To configure the port name, click to expand the remaining ports	
<b>Policy map name</b>	The name of the policy table, added by the policy table configuration	
<b>Operation</b>	Add	policy for adding ports
	Delete	Delete port policy

## 10.2. Class-Map Config

### 10.2.1. Class-Map Config

Create and delete classification tables, view the currently configured classification tables

Class-Map Config

This page is used to set class map entries

Class-Map Name  Length(1-64)

[Apply](#)

---

Class-Map List

Showing  Entries Showing 0 to 0 of 0 entries Search

	Entries	Class-Map Name
0 results found.		

[Delete](#) [First](#) [Previous](#) [Next](#) [Last](#)

<b>Class-map name</b>	Class-map name, range:1-64 character	
<b>Operation</b>	Add	Add Class-map
	Delete	Remove Class-map

Class-Map List

Showing  Entries Showing 1 to 1 of 1 entries Search

	Entries	Class-Map Name
<input type="checkbox"/>	1	1

[Delete](#) [First](#) [Previous](#) [1](#) [Next](#) [Last](#)

Display the currently created class-map name

### 10.2.2. Class-Map Rule Config

Set the rules and corresponding parameters for classification matching

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name

Match Rule

ACL list name  Length(1-64)

Operation Type

[Apply](#)

<b>Classification criteria rule</b>	accesss-group	Match the specified IP ACL, MAC ACL or IPv6 standard ACL or MAC-IP ACL
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	

<b>ACL list name</b>	Created ACL name, 1-64 characters	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	IP DSCP	
IP DSCP 0	<input type="text"/>	Length(0-63)
IP DSCP 1	<input type="text"/>	Length(0-63)
IP DSCP 2	<input type="text"/>	Length(0-63)
IP DSCP 3	<input type="text"/>	Length(0-63)
IP DSCP 4	<input type="text"/>	Length(0-63)
IP DSCP 5	<input type="text"/>	Length(0-63)
IP DSCP 6	<input type="text"/>	Length(0-63)
IP DSCP 7	<input type="text"/>	Length(0-63)
Operation Type	Add	

<b>Classification criteria rule</b>	IP DSCP	Match the specified DSCP value, this parameter is the DSCP list
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>IP dscp0-7</b>	One or more DSCP values can be set, up to 8 DSCP values can be set, the range is 0~63;	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	IP Precedence	
IP Precedence0	<input type="text"/>	Length(0-7)
IP Precedence1	<input type="text"/>	Length(0-7)
IP Precedence2	<input type="text"/>	Length(0-7)
IP Precedence3	<input type="text"/>	Length(0-7)
IP Precedence4	<input type="text"/>	Length(0-7)
IP Precedence5	<input type="text"/>	Length(0-7)
IP Precedence6	<input type="text"/>	Length(0-7)
IP Precedence7	<input type="text"/>	Length(0-7)
Operation Type	Add	



<b>Classification criteria rule</b>	ip precedence	Match the specified ip priority, this parameter is the IP priority list
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>IP precedence0-7</b>	One or more ip priority values can be set, the list contains up to 8 IP priority values, and the valid range is 0~7;	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	VLAN	
VLAN 0	<input type="text"/>	Length(1-4094)
VLAN 1	<input type="text"/>	Length(1-4094)
VLAN 2	<input type="text"/>	Length(1-4094)
VLAN 3	<input type="text"/>	Length(1-4094)
VLAN 4	<input type="text"/>	Length(1-4094)
VLAN 5	<input type="text"/>	Length(1-4094)
VLAN 6	<input type="text"/>	Length(1-4094)
VLAN 7	<input type="text"/>	Length(1-4094)
Operation Type	Add	

Apply

<b>Classification criteria rule</b>	vlan	Match the specified vlan, this parameter is a list of vlan id
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>Vlan0-7</b>	One or more VLAN IDs can be set, including 8 VLAN IDs at most, ranging from 1 to 4094	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	COS	
COS 0	<input type="text"/>	Length(0-7)
COS 1	<input type="text"/>	Length(0-7)
COS 2	<input type="text"/>	Length(0-7)
COS 3	<input type="text"/>	Length(0-7)
COS 4	<input type="text"/>	Length(0-7)
COS 5	<input type="text"/>	Length(0-7)
COS 6	<input type="text"/>	Length(0-7)
COS 7	<input type="text"/>	Length(0-7)
Operation Type	Add	

[Apply](#)

<b>Classification criteria rule</b>	cos	Match the specified CoS value, this parameter is a list of vlan id
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>Cos 0-7</b>	One or more cos values can be set, the parameter is a CoS list composed of up to 8 CoS, the range is 0~7;	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	IPV6 DSCP	
IPV6 DSCP 0	<input type="text"/>	Length(0-63)
IPV6 DSCP 1	<input type="text"/>	Length(0-63)
IPV6 DSCP 2	<input type="text"/>	Length(0-63)
IPV6 DSCP 3	<input type="text"/>	Length(0-63)
IPV6 DSCP 4	<input type="text"/>	Length(0-63)
IPV6 DSCP 5	<input type="text"/>	Length(0-63)
IPV6 DSCP 6	<input type="text"/>	Length(0-63)
IPV6 DSCP 7	<input type="text"/>	Length(0-63)
Operation Type	Add	

[Apply](#)

<b>Classification criteria rule</b>	ipv6 dscp	Match the specified ipv6 DSCP value, this parameter is the ipv6 DSCP list
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>IPv6 dscp0-7</b>	One or more ipv6 DSCP values can be set, up to 8 DSCP values can be set, the range is 0~63;	
<b>Operation</b>	Add	Add matching rules
	Del	Remove matching rules

### Class-Map Rule Config

This page is used to set the matching rules for class map

Class-Map Name	1	
Match Rule	IPv6 Flowlabel	
IPv6 Flowlabel 0	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 1	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 2	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 3	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 4	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 5	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 6	<input type="text"/>	Length(0-1048575)
IPv6 Flowlabel 7	<input type="text"/>	Length(0-1048575)
Operation Type	Add	

[Apply](#)

<b>Classification criteria rule</b>	ipv6 flowlabel	Match the specified IPv6 flow label, this parameter is the value of the IPv6 flow label DSCP list
<b>Class-map name</b>	The name of the created class-matching table, select by clicking the drop-down	
<b>IPv6 flowlabel0-7</b>	One or more IPv6 flowlabel values can be set, ranging from 0 to 1048575;	
<b>Operation</b>	Add	Add matching rules
	Remove	Remove matching rules

Class-Map matching rule table

Showing 10 Entries Showing 1 to 1 of 1 entries Search

Class-Map Name	ACL list name	VLAN	COS	IP DSCP	IP Precedence	IPv6 DSCP	IPv6 Flowlabel
1	none	none	none	none	none	none	none

[First](#) [Previous](#) [1](#) [Next](#) [Last](#)

## 10.3.Policy-Map Config

### 10.3.1.Policy Name Config

Create and delete policy tables, and collaborate with classification tables to create packet in and out rules

#### Policy Name Config

This page is used to set policy map entries

Policy-Map Name	<input type="text"/>	Length(1-64)
-----------------	----------------------	--------------

[Apply](#)

<b>Policy-map name</b>	Policy-map name, range:1-64 character	
<b>Operation</b>	Apply	Add policy-map
	Delete	Remove policy-map

Policy-Map List

Showing 10 Entries	Showing 1 to 1 of 1 entries	Search
<input type="checkbox"/>	Entries	Policy-Map Name
<input type="checkbox"/>	1	1
<a href="#">Delete</a>		<a href="#">First</a> <a href="#">Previous</a> <a href="#">1</a> <a href="#">Next</a> <a href="#">Last</a>

Display the currently created policy-map.

### 10.3.2. Policy Class Config

Apply the class-map to the policy-map.

Policy Class Config

This page is used to set policy classification rules

Policy-Map Name	1
Class-Map Name	1
Inserted Before The Class-Map Name	1
<a href="#">Apply</a>	

<b>policy-map name</b>	The name of the created policy-map	
<b>class-map name</b>	The name of the classification table created by the classification matching table, this table will be applied to the policy-map	
<b>Inserted before the class-map name</b>	Prior to the insertion of the classification matching table, the name of the classification table that has been applied to the strategy table, and the priority of the newly applied classification matching table is increased	
<b>Operation</b>	Add	Add an association between the strategy table and the classification table

Policy-Map-Class List

Showing 10 Entries	Showing 1 to 1 of 1 entries	Search
<input type="checkbox"/>	Policy-Map Name	Class-Map Name
<input type="checkbox"/>	1	1
<a href="#">Delete</a>		<a href="#">First</a> <a href="#">Previous</a> <a href="#">1</a> <a href="#">Next</a> <a href="#">Last</a>

Display the association between the created policy table and the classification matching table

### 10.3.3. Policy Mark Config

Configure the priority of packets in the policy mapping configuration mode. Assign a new DSCP and IP priority to the classified traffic. Only the classified traffic that meets the matching criteria will be assigned a new value.

Policy Mark Config

This page is used to set policy tags

Policy-Map Name	1	
Class-Map Name	1	
Mark Type	COS	
COS		Length(0-7)
Operation Type	Add	

Apply

<b>Classification criteria rule</b>	IP DSCP	Set the DSCP value again according to the rules defined in the policy-map and class-map
	ip precedence	Set the IP priority again according to the rules defined in the policy-map and class-map
	drop-precedence	Set the discarding priority again according to the rules defined in the policy-map and class-map
	internal-priority	Set the internal priority again according to the rules defined by the policy-map and class-map
	cos	Set the COS value again according to the rules defined by the policy table and the classification matching table
<b>Policy-map name</b>	The name of the created policy table	
<b>Class-map name</b>	Created classification match table	
<b>DSCP</b>	DSCP value, range: 0-63	
<b>Precedence</b>	IP priority, range:0-7	
<b>Drop-precedence</b>	drop priority, range: 0-2	
<b>Internal-priority</b>	internal priority, range: 0-7	
<b>COS</b>	COS value, range: 0-7	
<b>Operation</b>	Add	Add the priority and queue value associated with the strategy table and the classification matching table
	Delete	Remove the priority and queue value associated with the strategy table and the classification matching table

Policy Mark List						
Showing	10	▼	Entries	Showing 1 to 1 of 1 entries	Search	<input type="text"/>
Policy-Map Name	Class-Map Name	COS	IP DSCP	IP Precedence	Internal Priority	Drop Precedence
1	1	0	none	none	none	none

[First](#)
[Previous](#)
[1](#)
[Next](#)
[Last](#)

### 10.3.4. Policy Bandwidth

Configure the new aggregation strategy and the information rate and burst id of the aggregation strategy.

**Policy Bandwidth**

This page is used to set policy bandwidth configuration

Burst ID1	<input type="text" value="1024"/>	Length(1-8192)
Burst ID2	<input type="text" value="1024"/>	Length(1-8192)

[Apply](#)

Policy-Map Name	<input type="text" value="1"/>	▼
Class-Map Name	<input type="text" value="1"/>	▼
Burst ID	<input type="text" value="1"/>	▼
Bandwidth Rate	<input type="text"/>	Length(1-10000000)
Operation Type	<input type="text" value="Add"/>	▼

[Apply](#)

<b>Aggregate policer name</b>	New aggregate policer name, range: 1-64 character.	
<b>Committed Information Rate</b>	Information Rate, range: 1-10000000kbit/s	
<b>Policy burst id configuration</b>	Burst id configuration, range: 1-2	
<b>Operation</b>	Add	Add aggregate policer
	Remove	Remove aggregate policer

Policy Bandwidth List			
Showing	10	▼	Entries
Showing 0 to 0 of 0 entries			Search <input type="text"/>
Policy-Map Name	Class-Map Name	Burst ID(Kbps)	Bandwidth Rate
0 results found.			

[First](#)
[Previous](#)
[Next](#)
[Last](#)

## 10.3.5. Policy VLAN

Configure VLAN Association Policy.

Policy VLAN

This page is used to set policy configurations on VLANs

Policy-Map Name	1	
Vlan List <span style="color: #c00000; font-size: x-small;">?</span>		(1-100)characters
Operation Type	Add	

Apply

<b>Policy-map name</b>	The name of the created strategy, select by clicking the drop-down	
<b>VLAN List</b>	VLAN ID, range: 1-4094	
<b>Operation</b>	Add	Add VLAN-based policy
	Remove	Remove VLAN-based policy

VLAN Policy List

Showing 10 Entries Showing 0 to 0 of 0 entries Search

VLAN ID	Policy-Map Name
0 results found.	

First
Previous
Next
Last

# 11.PoE Config

## 11.1.PoE Global Config

This page can be used to globally configure poe properties and view poe global property information.

To display the “PoE Global Config” page, click PoE Config ->PoE Global Config, click "Apply" to configure.

PoE Global Config	
PoE Work Status	Online
PoE Port Max Number	24
PoE Support Type	802.3at/802.3af
PoE MCU Software Version	V1.1.2
PoE Power Available	370 (37-370 W)
PoE Power Used	0 W
PoE Power Remaining	370 W
PoE Main Voltage	54.2 V
PoE Police	Off
PoE Legacy	Off
PoE High-inrush Status	Enabled
PoE Reset Interval	5 (1-600 s)

[Apply](#)

<b>PoE Power Available</b>	Maximum power supported by current switches
<b>PoE Police</b>	Enable status of priority power supply policy: Off: disable On: enable
<b>PoE Legacy</b>	Current status of standard PD detection function: Off: disable On: enable
<b>PoE High-inrush Status</b>	Enable/Disable
<b>PoE Reset Interval</b>	Port reset time range :1-600 per second



## 11.2.PoE Port Config

This page can be used to configure poe properties under ports.

To display the “PoE Port Config” page, click PoE Config ->PoE Port Config, click "Apply" to configure.

PoE Port Config

Port	--Please select --	
Status	Enable	▼
Priority	Low	▼
Max Power	32000	(1-32000mW)

[Apply](#)

Port	Status	Oper	Power(mW)	Max Power(1-32000mW)	Current(mA)	Volt(V)	Priority	Class
Ethernet1/0/1	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/2	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/3	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/4	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/5	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/6	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/7	Enable	Off	0	32000	0	54	Low	N/A
Ethernet1/0/8	Enable	Off	0	32000	0	54	Low	N/A

<b>Port</b>	Current configured Ethernet ports
<b>Status</b>	Enable: Normal power supply Force: Forced power supply Disable: No power supply
<b>Priority</b>	Low: low priority High: high priority Critical: highest priority
<b>Max Power</b>	Sets the maximum output power supported by the current port, size range :1-32000, unit mW; For example: 100、200、3000

## 11.3.PD Alive

This page can be used to configure poe pd alive under ports.

PD Alive

If not an integer multiple of 5, round up.

PoE Monitor interval	150	(30-36000 s,default is 150)
----------------------	-----	-----------------------------

Apply

Port	--Please select --
Monitor Status	Disabled <span style="font-size: x-small;">▼</span>

Apply

Port	Monitor Status
Ethernet1/0/1	Disabled
Ethernet1/0/2	Disabled
Ethernet1/0/3	Disabled
Ethernet1/0/4	Disabled
Ethernet1/0/5	Disabled
Ethernet1/0/6	Disabled
Ethernet1/0/7	Disabled
Ethernet1/0/8	Disabled

<b>Interface</b>	Current configured Ethernet ports
<b>PoE Monitor Interval</b>	Check whether the PD connected to the current port is in the detection interval of normal communication, range: 30-36000 seconds
<b>PoE Monitor Status</b>	Disabled: disable port monitoring Enabled: Enable port monitoring

## 11.4.PoE Schedule

PoE Schedule

Port	--Please select --
Time Range Name	▼

Apply

Port	Time Range Name
Ethernet1/0/1	NULL
Ethernet1/0/2	NULL
Ethernet1/0/3	NULL
Ethernet1/0/4	NULL
Ethernet1/0/5	NULL
Ethernet1/0/6	NULL
Ethernet1/0/7	NULL
Ethernet1/0/8	NULL

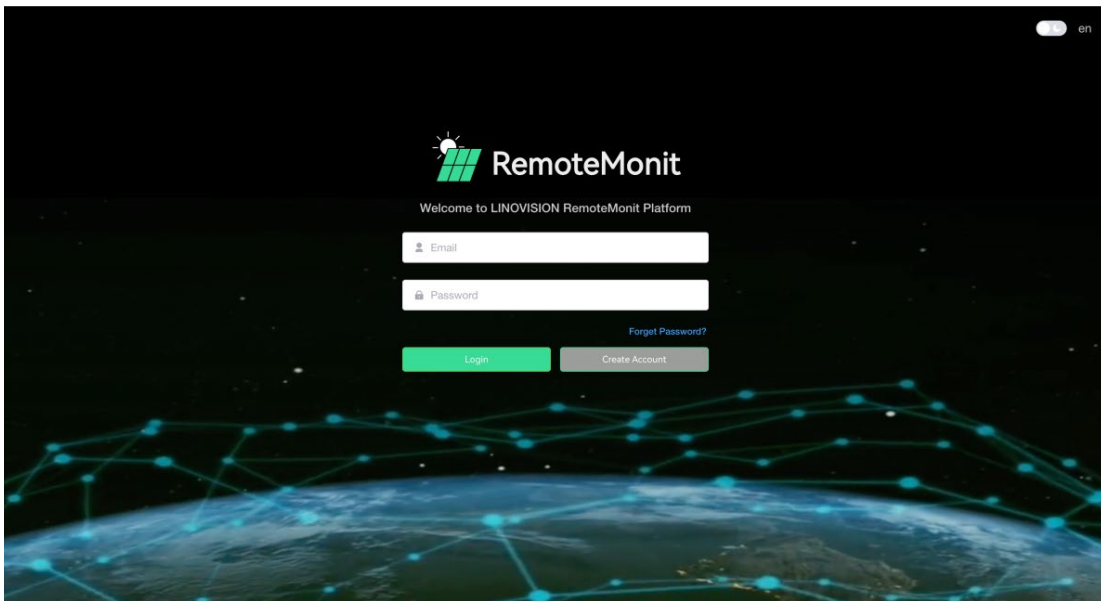
<b>Interface</b>	Current configured Ethernet ports
<b>Time range name</b>	The time range name defined by the switch

# 12.Cloud Settings

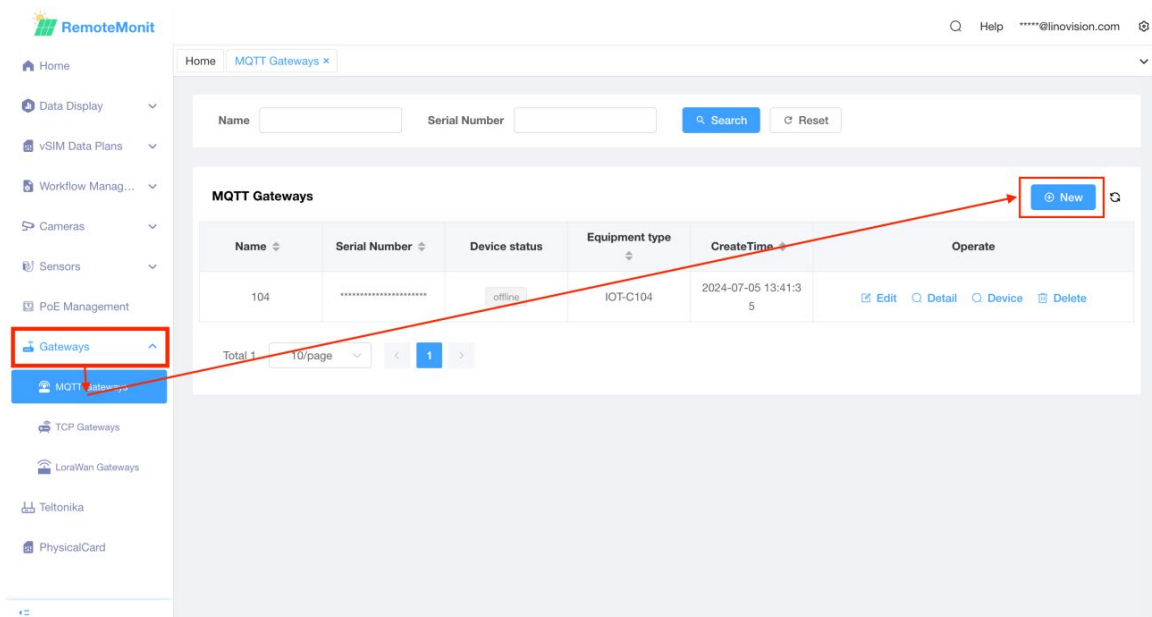
## 12.1 MQTT Configure

This page can be used to configure MQTT Basic settings to connect device to the cloud.

1. Open Linovision’s RemoteMonit platform [<https://remotemonit.com/login>] and log in to your account (or register a new account if you don’t already have one).



2. Go to “PoE Management > New” to create a new PoE gateway. Fill in the required information as follows:



<b>Name</b>	The name of the gateway, can be customized
<b>Equipment Type</b>	Select <b>POE-SWR612GM-SOLAR</b>
<b>Serial Number</b>	On the label on the back of the product and on the homepage of the Web GUI
<b>Latitude/Longitude</b>	Optional field for device location

3. Open the “Details” option of your newly added gateway and record relevant information including **clientId**、**mqttUsername**、**mqttPassword**、**Publish topic**、**Subscribe topic**、**Server address** and **Port**.

4. Open POE-SWR612GM-SOLAR’s Web GUI and go to “Cloud Settings > MQTT Configure”, then enter the recorded information from the cloud platform into the corresponding fields. Refer to the table below for specific items and save the changes\*:

MQTT Basic Setting	
MQTT Client Status	Disabled
MQTT Server IP	0.0.0.0
MQTT Server Port	1883
MQTT Server Keepalive	60
MQTT Server Username	
MQTT Server Password	
MQTT Publish Topic	
MQTT Subscribe Topic	

<b>MQTT Client Status</b>	Enable
<b>MQTT Server IP</b>	44.205.170.12
<b>MQTT Server Port</b>	1883
<b>MQTT Server Username</b>	mqttUsername
<b>MQTT Server Password</b>	mqttPassword
<b>MQTT Publish Topic</b>	Publish topic
<b>MQTT Subscribe Topic</b>	Subscribe topic

\*MQTT Server Keepalive can either remain at the default setting or be adjusted according to your needs, with a range of 10–300 seconds.

5. Save the configuration and refresh the page to check if the “MQTT Connect” status shows as successfully connected.