



28 ports

Layer 2 Industrial Ethernet Switch

User Manual

Document Version: 01

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Preface

Layer 2 Industrial Ethernet Switch User Manual has introduced this switch:

- Product features
- Product network management configuration
- Overview of related principles of network management

Audience



This manual applies to the following engineers:




- Network administrators
- Technical support engineers
- Network engineer

Text Format Convention

Format	Description
" "	Words with "" represent the interface words. Such as: "Port No."
>	Multi-level path is separated by ">". Such as opening the local connection path description: Open "Control Panel> Network Connection> Local Area Connection".
Light Blue Font	It represents the words clicked to achieve hyperlink. The font color is as follows: 'Light Blue'.

Symbols

Format	Description
 Notice	Remind the announcements in the operation, improper operation may result in data loss or equipment damage.
 Warning	Pay attention to the notes on the mark, improper operation

Format	Description
	may cause personal injury.
 Note	Conduct a necessary supplements and explanations for the description of operation content.
 Key	Configuration, operation, or tips for device usage.
 Tips	Pay attention to the operation or information to ensure success device configuration or normal working.

Revision Record

Version No.	Date	Revision note
01	12/28/2022	Product release

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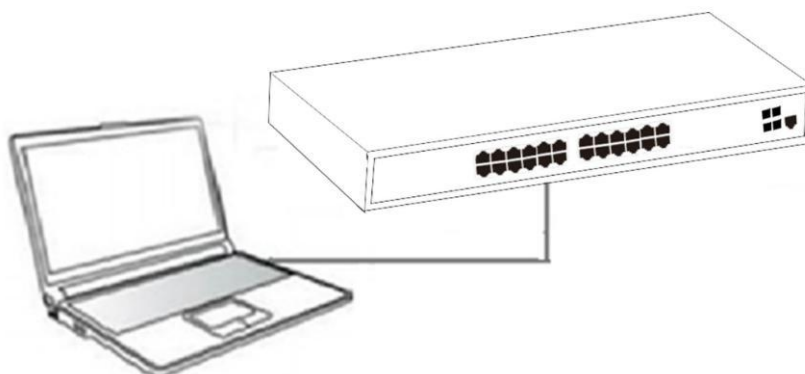
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1 How to Login the Switch

1.1 Switch to End Node

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



Please refer to the LED Indicators. The LINK/ACT/Speed LEDs for each port lights on when the link is available.

1.2 How to Login the Switch

As the Switch provides Web-based management login, you can configure your computer's IP address manually to log on to the Switch. The default settings of the Switch are shown below.

Parameter	Default Value
Default IP address	192.168.1.254
Default user name	admin123

Default password	admin123
------------------	----------

You can log on to the configuration window of the Switch through following steps:

- Step 1.** .Connect the Switch with the computer NIC interface.
- Step 2.** Power on the Switch.
- Step 3.** Check whether the IP address of the computer is within this network segment:
192.168.1.xxx ("xxx" ranges 1~253), for example, 192.168.1.100.
- Step 4.** Open the browser, and enter http://192.168.1.254 and then press "Enter". The Switch login window appears, as shown below.

- Step 5.** Switching language to English .Enter the Username and Password (The factory default Username is admin123 and Password is admin123), and then click "Login" to log in to the Switch configuration window

Port	Name	Link	Set Speed	State	LACP	TxPkts	RxPkts	Errors	Tx Bits/s	Rx Bits/s	Up Time
GE0/0/1	full-1000M	auto	forwarding	disabled	disabled	8428	6134	0	11560	4280	1:00:47
GE0/0/2	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/3	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/4	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/5	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/6	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/7	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/8	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/9	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/10	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/11	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/12	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/13	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/14	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/15	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/16	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/17	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/18	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/19	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/20	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/21	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/22	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/23	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/24	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00
GE0/1/1	down	auto	disabled	disabled	disabled	0	0	0	0	0	0:00:00

- Step 6.** END.

2 WEB Configuration Guide

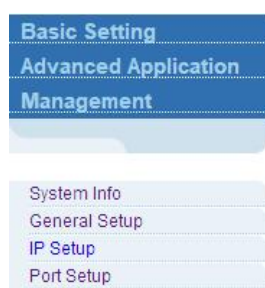
Switch configuration interface consists of 3 main areas, areas for the status bar at the top, the area on the left menu bar, right the main configuration window. Select the different functions in the function menu bar, you can modify all settings in the main configuration window.

The screenshot displays the 'Port Status' configuration page. At the top right, there are buttons for 'Save', 'Status', and 'Logout'. On the left, a vertical menu bar contains 'Basic Setting', 'Advanced Application', and 'Management'. The main area features a table with the following columns: Port, Name, Link, Set Speed, State, LACP, TxPkts, RxPkts, Errors, Tx Bits/s, Rx Bits/s, and Up Time. The table lists ports GE0/0/1 through GE0/0/24 and GF0/1/1. Port GE0/0/1 is the only one in a 'forwarding' state, with a link speed of 'full-1000M' and an up time of 1:00:47. All other ports are in a 'down' state. Below the table, there are radio buttons for 'Any' and 'Port', and a 'Clear Counter' button.

Port	Name	Link	Set Speed	State	LACP	TxPkts	RxPkts	Errors	Tx Bits/s	Rx Bits/s	Up Time
GE0/0/1		full-1000M	auto	forwarding	disabled	8428	6134	0	11560	4290	1:00:47
GE0/0/2		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/3		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/4		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/5		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/6		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/7		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/8		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/9		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/10		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/11		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/12		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/13		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/14		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/15		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/16		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/17		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/18		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/19		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/20		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/21		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/22		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/23		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GE0/0/24		down	auto	disabled	disabled	0	0	0	0	0	0:00:00
GF0/1/1		down	auto	disabled	disabled	0	0	0	0	0	0:00:00

2.1 Basic Setting

Choose Basic Setting, and the following page appears. There are "System Info", "General Setup", "IP Setup", "Port Setup", configuration web pages.



2.1.1 System Info

Selecting “**Basic Setting>System Information settings**” in the navigation bar, you can view the basic information of System and configure the IP address and System name.

System information settings	
Product description	S3128TC-P
bootrom version	1.7
Software version	S3128TC-P V01D01P02SP01
Product serialNo	123456789
MAC address	00:0a:6a:00:03:ee
IP address	192.168.1.1 Setting
Subnet mask	255.0.0.0
Default gateway	0.0.0.0
System startup time	0-Days 1-Hours 8-Minutes 29-Seconds
System application	running default application
System name	S3128TC-P Setting
System location	factory formal application
Web page timeout (in minute)	20

【Parameter Description】

Parameter	Description
IP Address	The management IP of Switch
System name	System name

【Instructions】

You can view and configure Running System status.

2.1.2 General Setup

Selecting “**Basic Setting>General Setup**” in the navigation bar, you can view the basic information of Switch, Such as System description and so on. You can also modify System name, System contact and System location.

General Setup	
System description	Switch
System object ID	1.3.6.1.4.1.13868.1.3.68.2
System port quantity	28
System startup time	0-Days 1-Hours 8-Minutes 49-Seconds
System name	S3128TC-P
System location	factory formal application
System contact	admin
Product description	S3128TC-P

Refresh Modify

【Parameter Description】

Parameter	Description
System name	System name
System contact	Including company or related URL

【Configuration example】

Such as: Setting System name as Switch.

General Setup	
System description	Switch
System object ID	1.3.6.1.4.1.13868.1.3.68.2
System port quantity	28
System startup time	0-Days 1-Hours 8-Minutes 49-Seconds
System name	switch
System location	factory formal application
System contact	admin
Product description	S3128TC-P

Refresh Modify

2.1.3 IP Setup

Selecting “**Basic Setting>IP Setup**” in the navigation bar, you can configure IP.

Vlan Interface [VlanInterfaceConf](#)

Creat:

Interface	vlan-interface
Vlan ID	1

Add Cancel Clear

List:

Index	Name	Primary ipaddress	VLAN	Status	Delete
1	VLAN-IF1	192.168.1.1	1	Up	<input type="checkbox"/>

Delete Cancel

2.1.3.1 Vlan interface

Selecting “**Basic Setting>IP Setup>Vlan interface**” in the navigation bar, you can configure Vlan interface.

Vlan Interface [VlanInterfaceConf](#)

Creat:

Interface	vlan-interface
Vlan ID	1

Add Cancel Clear

List:

Index	Name	Primary ipaddress	VLAN	Status	Delete
1	VLAN-IF1	192.168.1.1	1	Up	<input type="checkbox"/>

Delete Cancel

【Parameter Description】

Parameter	Description
Interface	Selecting the interface: vlan-interface Supervlan-interface
Vlan ID	You can specify the vlan ID
Name	The name of interface

2.1.3.2 Vlan interface Config

Selecting “**Basic Setting>IP Setup>Vlan interface Config**” in the navigation bar, you can configure Vlan interface Config.

Vlan Interface Config
VlanInterface

VLAN Interface Name List:

Interface Name	VLAN-IF1 ▼
Vlan ID	1

VLAN Interface Configuration:

Mode	Ip Address ▼
IP Address	0.0.0.0
NetMask Address	0.0.0.0
Override	<input type="checkbox"/>

VLAN Interface List:

Index	Ip	Mask	Primary	Delete
1	192.168.1.1	255.0.0.0	<input checked="" type="radio"/>	<input type="checkbox"/>

【Parameter Description】

Parameter	Description
Interface name	Name of interface
Vlan ID	You can specify the vlan ID
IP Address	User login in Switch using the IP Address
Override	You can override former original primary IP or not

【Configuration example】

Such as: Setting IP address as 192.168.2.1 and mask as 255.255.255.0. And then selecting override.

Vlan Interface Config
[VlanInterface](#)

VLAN Interface Name List:

Interface Name	VLAN-IF1 ▾
Vlan ID	1

VLAN Interface Configuration:

Mode	Ip Address ▾
IP Address	192.168.2.1
NetMask Address	255.255.255.0
Override	<input checked="" type="checkbox"/>

VLAN Interface List:

Index	Ip	Mask	Primary	Delete
1	192.168.1.1	255.0.0.0	<input checked="" type="radio"/>	<input type="checkbox"/>

2.1.4 Port Setup

Selecting “**Basic Setting>Port Setup**” in the navigation bar, you can configure the related parameter of port.

Basic Setting Port basic settings

Advanced Application Management

System Info
General Setup
IP Setup
Port Setup

Port Number [Click for selecting]

1	3	5	7	9	11	13	15	17	19	21	23	25	27
0	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4	6	8	10	12	14	16	18	20	22	24	26	28

Port basic settings Ethernet 1000M Port[1]

Port	Status	Link	Priority	Set speed	Mode	Actual speed	Port description (0-128 chars)
GE0/0/1	enable	up	0	auto	auto	full-1000M	

Refresh Modify

Ethernet 1000M Port

Port	Status	Link	Priority	Set speed	Mode	Actual speed
GE0/0/1	enable	up	0	auto	auto	full-1000M
GE0/0/2	enable	down	0	auto	auto	unknown
GE0/0/3	enable	down	0	auto	auto	unknown
GE0/0/4	enable	down	0	auto	auto	unknown
GE0/0/5	enable	down	0	auto	auto	unknown
GE0/0/6	enable	down	0	auto	auto	unknown
GE0/0/7	enable	down	0	auto	auto	unknown
GE0/0/8	enable	down	0	auto	auto	unknown
GE0/0/9	enable	down	0	auto	auto	unknown
GE0/0/10	enable	down	0	auto	auto	unknown
GE0/0/11	enable	down	0	auto	auto	unknown
GE0/0/12	enable	down	0	auto	auto	unknown
GE0/0/13	enable	down	0	auto	auto	unknown
GE0/0/14	enable	down	0	auto	auto	unknown
GE0/0/15	enable	down	0	auto	auto	unknown
GE0/0/16	enable	down	0	auto	auto	unknown
GE0/0/17	enable	down	0	auto	auto	unknown

【Parameter Description】

Parameter	Description
Port	Port number
status	Choose whether to close link port
link	Status: Down up
priority	Set port priority, the range of 0-7
Set speed	Choose the following modes: full-100 half-100 auto-100 auto
Mode	Choose the following kinds: auto slave master
Actual speed	The actual speed of the port

Parameter	Description
Port description	The port is described

【Configuration example】

Such as: Configure the related parameters for port 1, Status is "enable", Priority is "1", Set speed is "auto", Mode is "auto", Port description is "port 1".

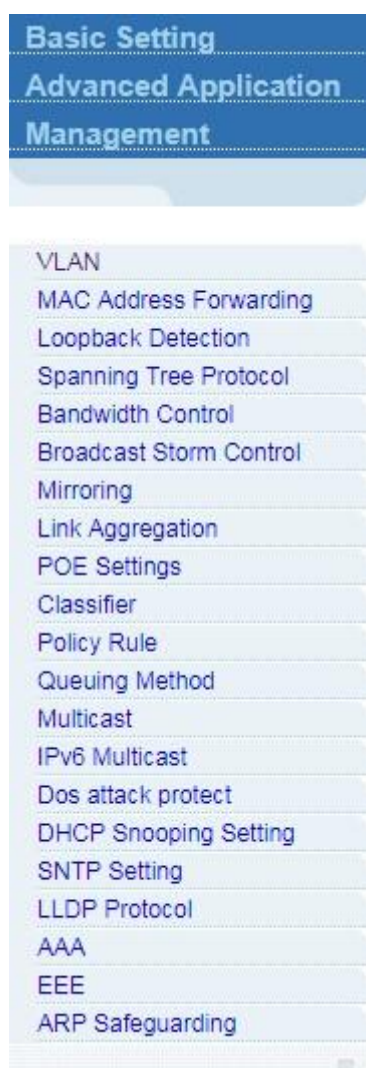
Port basic settings Ethernet 1000M Port[1]

Port	Status	Link	Priority	Set speed	Mode	Actual speed	Port description (0-128 chars)
GE0/0/1	enable	up	1	auto	auto	full-1000M	Port1

Refresh Modify

2.2 Advanced Application

Choose Advanced Application, and the following page appears. There are "VLAN", "MAC Address Forwarding", "Lookback Detection", "Spanning Tree Protocol", "Bandwidth Control", "Broadcast Storm Control", "Mirroring", "Link Aggregation", "POE Settings", "Classifier", "Policy Rule", "Queuing Method", "Multicast", "IPv6 Multicast", "Dos attack protect", "DHCP Snooping Setting", "SNTP Setting", "LLDP Protocol", "AAA", "EEE" and "ARP Safeguarding" configuration web pages.



2.2.1 VLAN

Selecting “**Advanced Application>VLAN**” in the navigation bar, you can configure VLAN.

Basic Setting

Advanced Application Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

VLAN Status [VLAN Port Settings](#) [Static VLAN](#)

VLAN Search by VID

The Number of VLAN: 1. Current Page: 1 of 1.

Index	VID	Elapsed Time	Status
1	1	0:01:43	Static

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

Change Pages

2.2.1.1 VLAN Status

Selecting “**Advanced Application>VLAN>VLAN Status**”, in the navigation bar, you can view VLAN status.

VLAN Status [VLAN Port Settings](#) [Static VLAN](#)

VLAN Search by VID Search

The Number of VLAN: 1. Current Page: 1 of 1.

Index	VID	Elapsed Time	Status
1	1	0:01:43	Static

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

【Parameter Description】

Parameter	Description
VLAN Status	View all vlans configured in the device
VLAN Search by VID	Enter VID to view the specified VLAN

【Configuration example】

Such as: View the VLAN of VID as "1".

VLAN Status [VLAN Port Settings](#) [Static VLAN](#)

VLAN Search by VID Search

The Number of VLAN: 1. Current Page: 1 of 1.

Index	VID	Elapsed Time	Status
1	1	0:01:43	Static

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

2.2.1.2 VLAN Port Settings

Selecting “**Advanced Application>VLAN>VLAN Port Settings**”, in the navigation bar, you can set VLAN port.

The screenshot shows the 'VLAN Port Settings' configuration interface. It includes a header with the title and two tabs: 'Static VLAN' and 'VLAN Status'. The main configuration area contains the following fields and controls:

- Global GVRP permit vlan:** A checkbox that is currently unchecked.
- PORT ID:** A dropdown menu.
- port forbidden vlan:** A text input field.
- Buttons:** 'add', 'reset', and 'del' buttons are located at the bottom of the configuration area.

Show Garp Information:

Port	PVID	Acceptable Frame	Port Mode	Port GVRP	Ingress Check
*		All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ethernet 1000M Port					
GE0/0/1	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/2	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/3	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/4	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/5	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/6	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/7	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/8	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/9	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/10	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/11	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/12	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/13	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/14	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/15	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/16	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/17	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GE0/0/18	1	All ▼	Hybrid ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>

【Parameter Description】

Parameter	Description
PVID	The PVID of the port can be modified, the default port PVID is "1"

Parameter	Description
Acceptable Frame	Choose the following kinds: All Tagged only Untagged only
Port Mode	Choose the following modes: Hybrid: The port can be either a tag member or untag member in a VLAN and can be a member port for multiple vlans. Trunk: The port can only be an tag member in a VLAN and can be a member port for multiple vlans Access: The port can only be a member of untag in VLAN and the port can only be in a VLAN.
Port GVRP	Select open or close GVRP, dynamic VLAN learning function, port mode must be Trunk mode
Ingress Check	Open port filtering function. If the port settings only receive the Tagged type of message, if the Ingress Check function is opened, the Untagged type of message will be discarded when the port receives the message of the untagged type of message, otherwise it can be forwarded. The default port filtering function opens.

【Instructions】

Hybrid port to packet:

Receives a packet, judge whether there is a VLAN information: if there is no play in port PVID, exchanged and forwarding, if have, whether the Hybrid port allows the VLAN data into: if can be forwarded, or discarded (untag on port configuration is not considered, untag configuration only work when to send it a message).

Hybrid port to send packet:

1. Determine the VLAN in this port attributes (disp interface can see the port to which VLAN untag, which VLAN tag).
2. If it is untag stripping VLAN information, send again, if the tag is sent directly.

【Configuration example】

Such as: The PVID of port 1 is set to "1", the frame type is set to "All", the port mode is set to "Hybrid", and the port GVRP is not turned on and the entry inspection function is opened.

GE0/0/1

2.2.1.3 Static VLAN

Selecting "**Advanced Application>Static VLAN**" in the navigation bar, you can configure Static VLAN.

Static VLAN
[VLAN Port Settings](#)
[VLAN Status](#)

Current static VLAN

0001 ▲

Total 1 records

Port Number [\[Click for changing or selecting\]](#)

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

Port Number [\[Select all: - \[None\] T \[Tagged\] U \[Untagged\]\]](#)

VLAN List	<input type="text" value="1"/>	<input type="button" value="Add"/>	<input type="button" value="Delete"/>
Name	<input type="text"/>	<input type="button" value="Modify"/>	<input type="button" value="Cancel"/>

【Parameter Description】

Parameter	Description
VLAN List	VLAN Group ID
Name	VLAN Group name

【Configuration example】

Add and delete VLAN members

Such as: Adding a new VLAN, VLAN Group ID 120 contains non-untag member port 6, 8. Tag member port 18, 20. The user can modify the port member by clicking on the white area below the port number;

Static VLAN [VLAN Port Settings](#) [VLAN Status](#)

Current static VLAN

0001 ▲

Port Number [Click for changing or selecting]													
1	3	5	7	9	11	13	15	17	19	21	23	25	27
U	U	U	U	U	U	U	U	U	U	U	U	U	U
U	U	U	U	U	U	U	U	U	U	U	U	U	U
2	4	6	8	10	12	14	16	18	20	22	24	26	28
Port Number [Select all: - [None] T [Tagged] U [Untagged]]													

VLAN List

Name

Total 1 records

2.2.2 MAC Address Forwarding

Selecting “**Advanced Application>MAC Address Forwarding**”, in the navigation bar, you can configure MAC Address Forwarding.

Basic Setting

Advanced Application

Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

MAC Address Forwarding

MAC Address

VID

MAC Type

Port (No Blackhole Mac)

Port Number [unknown source mac packet drop settings]

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

Port Number [Apply all:]

Index	Active	MAC Address	VID	Port	Status	Delete
1	Yes	00:0a:6a:00:03:ee	1	cpu	static	<input type="button" value="Delete"/>
2	Yes	94:05:b6:5d:2e:79	1	GE0/0/1	dynamic	<input type="button" value="Delete"/>

【Parameter Description】

Parameter	Description
MAC Type	MAC Type: Static MAC Dynamic MAC Blackhole MAC Permanent MAC

【Instructions】

Blackhole MAC: If a PC's MAC address is configured on a switch to be a blackhole MAC, then the PC's package will be discarded by the switch and not forwarded to the network.

【Configuration example】

1. MAC Address Forwarding

MAC Address Forwarding

MAC Address	00 : 01 : 33 : jt : dc : aq
VID	1
MAC Type	Static Mac ▼
Port (No Blackhole Mac)	8

2. Unknown source mac packet drop settings.

Port Number [unknown source mac packet drop settings]

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

Port Number[Apply all:]

2.2.3 Loopback Detection

Selecting “**Advanced Application>Lookback Detection**”, in the navigation bar, you can configure lookback detection.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection**
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings
- Classifier
- Policy Rule
- Queueing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

Loopback Detection

Global State	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
Addr-type	<input checked="" type="radio"/> Multicast <input type="radio"/> Broadcast
Action	<input type="radio"/> Discarding <input checked="" type="radio"/> Shutdown <input type="radio"/> None
Interval Time(s)	<input type="text" value="10"/>
Recover Time(s)	<input type="text" value="60"/>
Trap	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Log	<input checked="" type="radio"/> Enable <input type="radio"/> Disable

Port	Active
*	<input type="checkbox"/>
GE0/0/1	<input type="checkbox"/>
GE0/0/2	<input type="checkbox"/>
GE0/0/3	<input type="checkbox"/>
GE0/0/4	<input type="checkbox"/>
GE0/0/5	<input type="checkbox"/>
GE0/0/6	<input type="checkbox"/>
GE0/0/7	<input type="checkbox"/>
GE0/0/8	<input type="checkbox"/>
GE0/0/9	<input type="checkbox"/>
GE0/0/10	<input type="checkbox"/>
GE0/0/11	<input type="checkbox"/>
GE0/0/12	<input type="checkbox"/>
GE0/0/13	<input type="checkbox"/>
GE0/0/14	<input type="checkbox"/>
GE0/0/15	<input type="checkbox"/>

2.2.4 Spanning Tree Protocol

Selecting “**Advanced Application>Spanning Tree Protocol**”, in the navigation bar, you can configure spanning tree protocol.

Basic Setting

Advanced Application
Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

Spanning Tree Protocol Status

[Configuration](#) [STP/RSTP](#) [MSTP](#)

Spanning Tree Protocol: RSTP

Global Spanning Tree	Enable
Our Bridge ID	32768-000a.6a00.03ee
Root Bridge ID	32768-000a.6a00.03ee
Root Path Cost	0
Hello Time (second)	2
Max Age (second)	20
Forwarding Delay (second)	15
Topology Changed Times	0

Port	Active	Pathcost	Priority	Role	State
GE0/0/1	enable	20000	128	designatedPort	forwarding
GE0/0/2	enable	200000	128	designatedPort	disabled
GE0/0/3	enable	200000	128	designatedPort	disabled
GE0/0/4	enable	200000	128	designatedPort	disabled
GE0/0/5	enable	200000	128	designatedPort	disabled
GE0/0/6	enable	200000	128	designatedPort	disabled
GE0/0/7	enable	200000	128	designatedPort	disabled
GE0/0/8	enable	200000	128	designatedPort	disabled
GE0/0/9	enable	200000	128	designatedPort	disabled
GE0/0/10	enable	200000	128	designatedPort	disabled
GE0/0/11	enable	200000	128	designatedPort	disabled
GE0/0/12	enable	200000	128	designatedPort	disabled
GE0/0/13	enable	200000	128	designatedPort	disabled
GE0/0/14	enable	200000	128	designatedPort	disabled
GE0/0/15	enable	200000	128	designatedPort	disabled
GE0/0/16	enable	200000	128	designatedPort	disabled

2.2.4.1 Spanning Tree Protocol Status

Selecting “**Advanced Application>Spanning Tree Protocol>Spanning Tree Protocol status**”; in the navigation bar, you can view spanning tree protocol status.

 **Spanning Tree Protocol Status**
[Configuration](#) [STP/RSTP](#) [MSTP](#)
Spanning Tree Protocol: RSTP

Global Spanning Tree	Enable
Our Bridge ID	32768-000a.6a00.03ee
Root Bridge ID	32768-000a.6a00.03ee
Root Path Cost	0
Hello Time (second)	2
Max Age (second)	20
Forwarding Delay (second)	15
Topology Changed Times	0

Port	Active	Pathcost	Priority	Role	State
GE0/0/1	enable	20000	128	designatedPort	forwarding
GE0/0/2	enable	200000	128	designatedPort	disabled
GE0/0/3	enable	200000	128	designatedPort	disabled
GE0/0/4	enable	200000	128	designatedPort	disabled
GE0/0/5	enable	200000	128	designatedPort	disabled
GE0/0/6	enable	200000	128	designatedPort	disabled
GE0/0/7	enable	200000	128	designatedPort	disabled
GE0/0/8	enable	200000	128	designatedPort	disabled
GE0/0/9	enable	200000	128	designatedPort	disabled
GE0/0/10	enable	200000	128	designatedPort	disabled
GE0/0/11	enable	200000	128	designatedPort	disabled
GE0/0/12	enable	200000	128	designatedPort	disabled
GE0/0/13	enable	200000	128	designatedPort	disabled
GE0/0/14	enable	200000	128	designatedPort	disabled
GE0/0/15	enable	200000	128	designatedPort	disabled

【Parameter Description】

Parameter	Description
Root Path Cost	Configure Root Path Cost
Hello time(second)	Switches sends bpdu in packet interval
Max age(second)	Ports are not yet received a message in the time, will initiate topology changes
Forwarding delay(second)	The state of the port switch time
Topology changed times	The number of topology changes

2.2.4.2 Spanning Tree Configuration

Selecting “**Advanced Application>Spanning Tree Protocol>Spanning Tree configuration**”, in the navigation bar, you can configure spanning tree.

Spanning Tree Configuration [Status](#)

Spanning Tree Mode

IEEE compatible Spanning Tree

Rapid Spanning Tree

Multiple Spanning Tree

Global Spanning Tree status

Enable

Disable

【Parameter Description】

Parameter	Description
Spanning Tree Mode	Spanning tree mode: IEEE Compatible Spanning Tree Rapid Spanning Tree Multiple Spanning Tree
Global Spanning Tree Status	Select open or close Global Spanning

【Configuration example】

Such as: Spanning Tree Mode as “Rapid Spanning Tree”, open Global Spanning.

Spanning Tree Configuration [Status](#)

Spanning Tree Mode

IEEE compatible Spanning Tree

Rapid Spanning Tree

Multiple Spanning Tree

Global Spanning Tree status

Enable

Disable

2.2.4.3 Compatible/Rapid Spanning Tree Protocol

Selecting “**Advanced Application>Spanning Tree Protocol>Compatible/Rapid Spanning Tree Protocol**”, in the navigation bar, you can configure Compatible/Rapid Spanning Tree Protocol.

Compatible/Rapid Spanning Tree Protocol		Status
Bridge Priority	32768 ▼	
Hello Time	2	Seconds
MAX Age	20	Seconds
Forwarding Delay	15	Seconds

(Notice:When the port is a member of an aggregation group, the configuration is based on the maximum port configuration of the member.)

Port	Active	Priority	Path Cost	Path Cost Default Value
*	<input type="checkbox"/>			<input type="checkbox"/>
GE0/0/1	<input checked="" type="checkbox"/>	128	20000	<input checked="" type="checkbox"/>
GE0/0/2	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/3	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/4	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/5	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/6	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/7	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/8	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/9	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/10	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/11	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/12	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/13	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/14	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>

【Parameter Description】

Parameter	Description
Bridge Priority	Set bridge priority, the default instance bridge priority for 32768

Parameter	Description
Hello Time	Switches sends bpdu in packet interval
Max Age	Ports are not yet received a message in the time, will initiate topology changes
Forwarding Delay	The state of the port switch time
Port Priority	Set port instance priority, defaults to 128
Path Cost	Configure port costs

【Configuration example】

Such as:

1. Configure the bridge priority as 32768, the Hello Time is 2 seconds, the MAX Age is 20 seconds, and the Forwarding Delay is 15 seconds.

Compatible/Rapid Spanning Tree Protocol		Status
Bridge Priority	32768 ▼	
Hello Time	2	Seconds
MAX Age	20	Seconds
Forwarding Delay	15	Seconds

2. The priority of port 24 is 64, and the path cost is 200000.

GE0/0/24	<input checked="" type="checkbox"/>	64	200000	<input checked="" type="checkbox"/>
GE0/0/25	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/26	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/27	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/28	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>

2.2.4.4 Multiple Spanning Tree Protocol

Selecting “**Advanced Application>Spanning Tree Protocol>Multiple Spanning Tree Protocol**”, in the navigation bar, you can configure Multiple Spanning Tree Protocol.

Multiple Spanning Tree Protocol

[Status](#)

Bridge:

Hello Time	2	seconds
MAX Age	20	seconds
Forwarding Delay	15	seconds
Maximum hops	20	
Configuration Name		
Revision Number	0	

Apply Cancel

Instance:

Instance	0 ▼
Bridge Priority	32768 ▼
VLAN Range	

Apply Remove Cancel

Show Mstp Instance Information:

Port	Active	external Path Cost	external Cost Value	Priority	inner Path Cost	inner Cost Value
*	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>
GE0/0/1	<input checked="" type="checkbox"/>	20000	<input checked="" type="checkbox"/>	128	20000	<input checked="" type="checkbox"/>
GE0/0/2	<input checked="" type="checkbox"/>	200000	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>
GE0/0/3	<input checked="" type="checkbox"/>	200000	<input checked="" type="checkbox"/>	128	200000	<input checked="" type="checkbox"/>

【Parameter Description】

Parameter	Description
Hello Time	Switches sends bpdu in packet interval
Max age	Ports are not yet received a message in the time, will initiate topology changes
Forwarding Delay	The state of the port switch time
Maximum Hops	Set the maximum number of hops that BPDUs can support in the spanning tree
Configuration Name	Fill in configuration name

Parameter	Description
Revision Number	Set revision number
Instance	Instance number
Bridge Priority	Priority setting bridge example, the default instance bridge priority for 32768
VLAN Range	Set VLAN range
Port Priority	Set port instance priority, defaults to 128
Path Cost	Configure port costs

【Configuration example】

1. Bridge

Multiple Spanning Tree Protocol

[Status](#)

Bridge:

Hello Time	2	seconds
MAX Age	20	seconds
Forwarding Delay	15	seconds
Maximum hops	20	
Configuration Name	1	
Revision Number	0	

2. Instance

Instance:

Instance	1
Bridge Priority	32768
VLAN Range	1-8

2.2.5 Bandwidth Control

Selecting “**Advanced Application>Bandwidth Control**”, in the navigation bar, you can configure Bandwidth Control.

Basic Setting

Advanced Application

Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control**
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings
- Classifier
- Policy Rule
- Queuing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

Bandwidth Control

Port	Ingress Rate(unit: 16kbps)	Egress Rate(unit: 16kbps)
*		
GE0/0/1	0	0
GE0/0/2	0	0
GE0/0/3	0	0
GE0/0/4	0	0
GE0/0/5	0	0
GE0/0/6	0	0
GE0/0/7	0	0
GE0/0/8	0	0
GE0/0/9	0	0
GE0/0/10	0	0
GE0/0/11	0	0
GE0/0/12	0	0
GE0/0/13	0	0
GE0/0/14	0	0
GE0/0/15	0	0
GE0/0/16	0	0
GE0/0/17	0	0
GE0/0/18	0	0
GE0/0/19	0	0
GE0/0/20	0	0
GE0/0/21	0	0
GE0/0/22	0	0
GE0/0/23	0	0
GE0/0/24	0	0
GE0/1/1	0	0
GE0/1/2	0	0

【Instructions】

1 Mbit/s = 1000 Kbit/s = 1000 / 8 KB/s = 125 KB/s. That is, the theoretical rate of 1M bandwidth is 125 KB/s.

【Configuration example】

Such as: Configure port-24 Ingress Rate is 64kbps, Egress Rate is 128kbps.

GE0/0/24	64	128
GE0/1/1	0	0
GE0/1/2	0	0
GE0/1/3	0	0
GE0/1/4	0	0

2.2.6 Broadcast Storm Control

Selecting “**Advanced Application>Broadcast Storm Control**”; in the navigation bar, you can configure Broadcast Storm Control.

The screenshot displays the configuration page for Broadcast Storm Control. The left sidebar contains a navigation menu with the following items: Basic Setting, Advanced Application, Management, VLAN, MAC Address Forwarding, Loopback Detection, Spanning Tree Protocol, Bandwidth Control, Broadcast Storm Control (highlighted), Mirroring, Link Aggregation, POE Settings, Classifier, Policy Rule, Queuing Method, Multicast, IPv6 Multicast, Dos attack protect, DHCP Snooping Setting, SNTP Setting, LLDP Protocol, AAA, EEE, and ARP Safeguarding. The main configuration area shows 'Broadcast Storm Control' selected, with a 'storm-suppression mode' dropdown menu set to 'pkt' and an 'Apply' button. Below this is a table with the following columns: Port, Broadcast(unit:64pps), Multicast(unit:64pps), and Unicast(unit:64pps). The table lists ports from GE0/0/1 to GE0/0/22, with values of 0 for Broadcast, Multicast, and Unicast rates.

Port	Broadcast(unit:64pps)	Multicast(unit:64pps)	Unicast(unit:64pps)
*		pps	pps
GE0/0/1	0	pps	pps
GE0/0/2	0	pps	pps
GE0/0/3	0	pps	pps
GE0/0/4	0	pps	pps
GE0/0/5	0	pps	pps
GE0/0/6	0	pps	pps
GE0/0/7	0	pps	pps
GE0/0/8	0	pps	pps
GE0/0/9	0	pps	pps
GE0/0/10	0	pps	pps
GE0/0/11	0	pps	pps
GE0/0/12	0	pps	pps
GE0/0/13	0	pps	pps
GE0/0/14	0	pps	pps
GE0/0/15	0	pps	pps
GE0/0/16	0	pps	pps
GE0/0/17	0	pps	pps
GE0/0/18	0	pps	pps
GE0/0/19	0	pps	pps
GE0/0/20	0	pps	pps
GE0/0/21	0	pps	pps
GE0/0/22	0	pps	pps

【Parameter Description】

Parameter	Description
Broadcast	Broadcast rate limitation(the range of: 64-32000000, unit: pps, you must enter multiple of 64, default to 49984)
Multicast	Multicast rate limitation(the range of: 64-32000000, unit: pps, you must enter multiple of 64, default to 49984)
Unicast	Unicast rate limitation(the range of: 64-32000000,

unit: pps, you must enter multiple of 64, default to 49984)

【Instructions】

1 Mbit/s = 1000 Kbit/s = 1000 / 8 KB/s = 125 KB/s. That is, the theoretical rate of 1M bandwidth is 125 KB/s.

【Configuration example】

Such as: Set Port1 broadcast as 6400 pps, multicast as 3200 pps, unicast as 3200 pps.

Port	Broadcast(unit:64pps)	Multicast(unit:64pps)	Unicast(unit:64pps)
*			
GE0/0/1	6400	3200	3200

2.2.7 Mirroring

Selecting “**Advanced Application>Mirroring**”, in the navigation bar, you can configure mirroring.

Basic Setting

Advanced Application

Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

Mirroring

Active

Monitor Port

Port	Mirrored	Direction
*	<input type="checkbox"/>	Ingress ▼
GE0/0/1	<input type="checkbox"/>	Ingress ▼
GE0/0/2	<input type="checkbox"/>	Ingress ▼
GE0/0/3	<input type="checkbox"/>	Ingress ▼
GE0/0/4	<input type="checkbox"/>	Ingress ▼
GE0/0/5	<input type="checkbox"/>	Ingress ▼
GE0/0/6	<input type="checkbox"/>	Ingress ▼
GE0/0/7	<input type="checkbox"/>	Ingress ▼
GE0/0/8	<input type="checkbox"/>	Ingress ▼
GE0/0/9	<input type="checkbox"/>	Ingress ▼
GE0/0/10	<input type="checkbox"/>	Ingress ▼
GE0/0/11	<input type="checkbox"/>	Ingress ▼
GE0/0/12	<input type="checkbox"/>	Ingress ▼
GE0/0/13	<input type="checkbox"/>	Ingress ▼
GE0/0/14	<input type="checkbox"/>	Ingress ▼
GE0/0/15	<input type="checkbox"/>	Ingress ▼
GE0/0/16	<input type="checkbox"/>	Ingress ▼
GE0/0/17	<input type="checkbox"/>	Ingress ▼
GE0/0/18	<input type="checkbox"/>	Ingress ▼
GE0/0/19	<input type="checkbox"/>	Ingress ▼
GE0/0/20	<input type="checkbox"/>	Ingress ▼
GE0/0/21	<input type="checkbox"/>	Ingress ▼
GE0/0/22	<input type="checkbox"/>	Ingress ▼
GE0/0/23	<input type="checkbox"/>	Ingress ▼
GE0/0/24	<input type="checkbox"/>	Ingress ▼
GE0/1/1	<input type="checkbox"/>	Ingress ▼

【Parameter Description】

Parameter	Description
Active	Select open or close Mirroring
Monitor Port	Set up the monitoring port and forward the flow data of the source port to the message analyzer to analyze the message and then forward to the monitoring port
Mirrored	Check the box to configure the mirror source port
Direction	Configure the direction of the mirror message, choose: Ingress, Egress, Both

【Configuration example】

Such as: Open mirroring, configure monitoring port is port 8, the source port is port 7, and the mirror message is in both direction.

Mirroring

Active

Monitor Port

Port	Mirrored	Direction
*	<input type="checkbox"/>	Ingress ▼
GE0/0/1	<input type="checkbox"/>	Ingress ▼
GE0/0/2	<input type="checkbox"/>	Ingress ▼
GE0/0/3	<input type="checkbox"/>	Ingress ▼
GE0/0/4	<input type="checkbox"/>	Ingress ▼
GE0/0/5	<input type="checkbox"/>	Ingress ▼
GE0/0/6	<input type="checkbox"/>	Ingress ▼
GE0/0/7	<input checked="" type="checkbox"/>	Both ▼

2.2.8 Link Aggregation

Selecting "**Advanced Application>Link Aggregation**", in the navigation bar, you can configure link aggregation.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation**
- POE Settings
- Classifier
- Policy Rule
- Queuing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

Link Aggregation Status [Link Aggregation Setting](#)

Group ID	Enabled Ports	Synchronized Ports	Aggregator ID	Criteria	Status
T1	-	-	-	-	-
T2	-	-	-	-	-
T3	-	-	-	-	-
T4	-	-	-	-	-
T5	-	-	-	-	-
T6	-	-	-	-	-
T7	-	-	-	-	-

2.2.8.1 Link Aggregation status

Selecting "**Advanced Application>Link Aggregation>Link Aggregation Status**", in the navigation bar, you can view link aggregation status, you can view Group ID, Enabled Ports, Synchronized Ports, Aggregator ID, Criteria, Status.

Link Aggregation Status [Link Aggregation Setting](#)

Group ID	Enabled Ports	Synchronized Ports	Aggregator ID	Criteria	Status
T1	-	-	-	-	-
T2	-	-	-	-	-
T3	-	-	-	-	-
T4	-	-	-	-	-
T5	-	-	-	-	-
T6	-	-	-	-	-
T7	-	-	-	-	-

2.2.8.2 Link Aggregation Setting

Selecting “**Advanced Application>Link Aggregation>Link Aggregation Setting**”, in the navigation bar, you can set Link Aggregation.

Link Aggregation Setting			Status	LACP
Port	Group ID	Port LACP Mode		
GE0/0/1	none ▼	active ▼		
GE0/0/2	none ▼	active ▼		
GE0/0/3	none ▼	active ▼		
GE0/0/4	none ▼	active ▼		
GE0/0/5	none ▼	active ▼		
GE0/0/6	none ▼	active ▼		
GE0/0/7	none ▼	active ▼		
GE0/0/8	none ▼	active ▼		
GE0/0/9	none ▼	active ▼		
GE0/0/10	none ▼	active ▼		
GE0/0/11	none ▼	active ▼		
GE0/0/12	none ▼	active ▼		
GE0/0/13	none ▼	active ▼		
GE0/0/14	none ▼	active ▼		
GE0/0/15	none ▼	active ▼		
GE0/0/16	none ▼	active ▼		
GE0/0/17	none ▼	active ▼		
GE0/0/18	none ▼	active ▼		
GE0/0/19	none ▼	active ▼		
GE0/0/20	none ▼	active ▼		
GE0/0/21	none ▼	active ▼		
GE0/0/22	none ▼	active ▼		
GE0/0/23	none ▼	active ▼		
GE0/0/24	none ▼	active ▼		

【Parameter Description】

Parameter	Description
Group ID	Add the port to the specified Aggregation Group ID
Port LACP mode	Configure port aggregation(static/active/passive)
Criteria	Configure the Aggregation Group load balancing (src-mac/dst-mac/src-dst-mac/src-ip/dst-ip/src-dst-ip)


【Configuration example】

Such as: configure parameter of Aggregation Group port-8.

GE0/0/8	T1 ▼	active ▼
---------	------	----------

2.2.8.3 Link Aggregation Control Protocol

Selecting “**Advanced Application> Link Aggregation> Link Aggregation Control Protocol**”, in the navigation bar, you can configure Link Aggregation Control Protocol.

 Link Aggregation Control Protocol
[Link Aggregation Setting](#)

System Priority	32768
-----------------	-------

Group ID	Active	Eth-trunk Mode	Load-balance Mode
T1	<input type="checkbox"/>	static ▼	none ▼
T2	<input type="checkbox"/>	static ▼	none ▼
T3	<input type="checkbox"/>	static ▼	none ▼
T4	<input type="checkbox"/>	static ▼	none ▼
T5	<input type="checkbox"/>	static ▼	none ▼
T6	<input type="checkbox"/>	static ▼	none ▼
T7	<input type="checkbox"/>	static ▼	none ▼

Port	Port Priority
*	
GE0/0/1	128
GE0/0/2	128
GE0/0/3	128
GE0/0/4	128
GE0/0/5	128
GE0/0/6	128
GE0/0/7	128
GE0/0/8	128
GE0/0/9	128
GE0/0/10	128
GE0/0/11	128

【Parameter Description】

Parameter	Description
System priority	Aggregation group system priority, the default is 32768(the range of 1-65535)

【Configuration example】

Such as:

1.Open aggregation group T1 LACP.

Group ID	LACP Active
T0	<input type="checkbox"/>
T1	<input checked="" type="checkbox"/>

2.The priority for configuring port 8 is 64.

GE0/0/8	64
---------	----

2.2.9 POE Settings

Selecting “**Advanced Application>POE Settings**”, you can configure POE.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings**
- Classifier
- Policy Rule
- Queuing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

POE Settings [POE Port Settings](#)

power supply	internal power supply
power limit (1-370)	370 W
power consumption	0W
poE status poll	disable ▾

2.2.9.1 POE Settings

Selecting “**Advanced Application>POE Settings**”, you can configure POE.

power supply	internal power supply
power limit (1-370)	370 W
power consumption	0W

Apply Cancel

【Parameter Description】

Parameter	Description
power limit	The power of switch POE can be limited

【Configuration example】

Such as: set power limit is 360 W.

power supply	internal power supply
power limit (1-370)	360 W
power consumption	0W

Apply Cancel

2.2.9.2 POE Port Settings

Selecting “**Advanced Application>POE Port Settings**”, in the navigation bar, you can configure POE Port.

POE Port Settings POE Settings

Port Number [Click for selecting]												
1	3	5	7	9	11	13	15	17	19	21	23	
0	-	-	-	-	-	-	-	-	-	-	-	-
2	4	6	8	10	12	14	16	18	20	22	24	
Port Numberpoe												

POE Port Settings Ethernet 1000M Port[1]

Port No.	Enable	Standard	Priority	Class	Power Limit(1-30):W	Power Consumption:W	Voltage:V	Status
GE0/0/1	enable	ieee802.3at	low	5	30	0	0.0	status: Port is off - Detection is in process

Refresh Modify

Show all ports information (Note: It may take some time to display all ports information, please be patient.)

【Parameter Description】

Parameter	Description
Enable	Turn the port POE power on and off and the default is open
Standard	Configure ieee802.3af, ieee802.3at mode, default to ieee802.3at
Priority	Configure port Priority low, critical, high, the default priority is low
Power limit	The power of switch POE can be limited

【Configuration example】

Such as: Configure the POE for port 1.

POE Port Settings Ethernet 1000M Port[1]

Port No.	Enable	Standard	Priority	Class	Power Limit(1-30):W	Power Consumption:W	Voltage:V	Status
GE0/0/1	enable	ieee802.3af	high	5	28	0	0.0	status: Port is off - Detection is in process

Refresh Modify

Show all ports information (Note: It may take some time to display all ports information, please be patient.)

2.2.10 Classifier

Selecting “**Advanced Application>Classifier**”, in the navigation bar, you can configure Classifier.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings
- Classifier**
- Policy Rule
- Queuing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

Classifier

Type

Action

Name

SubItem

DSCP Any be

IP Protocol All Establish Only

Others (Dec)

Source IP Address /

Destination IP Address /

Index	Active	Name	SubItem	Rule	Delete
<input type="button" value="Delete"/> <input type="button" value="Cancel"/>					

【Parameter Description】

Parameter	Description
Active	Active Classifier

2.2.11 Policy Rule

Selecting “**Advanced Application>Policy Rule**”, in the navigation bar, you can configure Policy Rule.

Basic Setting

Advanced Application Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

Policy

Active Interface

Classifier(s) Ip-ACL MAC-ACL

Priority Enable

DSCP Enable

Egress Port Enable CPU

Rate limit Enable Kbps <16-1000000>

Index	Active	Type	Classifier(s)	Delete
<input type="button" value="Delete"/> <input type="button" value="Cancel"/>				

【Parameter Description】

Parameter	Description
Active	Active Classifier

2.2.12 Queuing Method

Selecting “**Advanced Application>Queuing Method**”, in the navigation bar, you can configure queuing method.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings
- Classifier
- Policy Rule
- Queuing Method**
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding

Queuing Method

Method	Weight							
	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
SPQ ▼								

【Parameter Description】

Parameter	Description
Method	Five method: SPQ,WRR,SP+WRR,WFQ,SP+WFQ

【Configuration Example】

Queuing Method

Method	Weight							
	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
WRR ▼	10	20	30	40	50	6	7	8

2.2.13 Multicast

Selecting “**Advanced Application>Multicast**”, in the navigation bar, you can configure Multicast.

The screenshot shows a navigation menu on the left with the following items: Basic Setting, Advanced Application, Management, VLAN, MAC Address Forwarding, Loopback Detection, Spanning Tree Protocol, Bandwidth Control, Broadcast Storm Control, Mirroring, Link Aggregation, POE Settings, Classifier, Policy Rule, Queuing Method, **Multicast** (circled in red), IPv6 Multicast, Dos attack protect, DHCP Snooping Setting, SNMP Setting, LLDP Protocol, AAA, EEE, and ARP Safeguarding.

The main content area displays the **Multicast Status** page, which includes a table with the following columns: Index, VID, Port, and Multicast Group. A **Multicast Setting** link is visible in the top right corner.

2.2.13.1 Multicast Status

Selecting “**Advanced Application>Multicast>Multicast Status**”, in the navigation bar, you can view all multicast. This includes the static configuration and the multicast that is learned through the IGMP-Snooping protocol.

The screenshot shows the header of the **Multicast Status** table, which includes the following columns: Index, VID, Port, and Multicast Group. A **Multicast Setting** link is visible in the top right corner.

2.2.13.2 Multicast Settings

Selecting “**Advanced Application>Multicast>Multicast Settings**”, in the navigation bar, you can set multicast.

[Multicast Setting](#) [Multicast Status](#) [Deny VLAN](#) [IGMP Filtering Profile](#)
 IGMP Snooping:

Active	<input type="checkbox"/>
Querier	<input type="checkbox"/>
Host Timeout	300 seconds
IGMP Route Port Forward	<input type="checkbox"/>

Port Information:

Port	Max Group Limit	Fast Leave	Multicast Vlan	IGMP Filtering Profile
*		<input type="checkbox"/>		
GE0/0/1	507	<input type="checkbox"/>	0	
GE0/0/2	507	<input type="checkbox"/>	0	
GE0/0/3	507	<input type="checkbox"/>	0	
GE0/0/4	507	<input type="checkbox"/>	0	
GE0/0/5	507	<input type="checkbox"/>	0	
GE0/0/6	507	<input type="checkbox"/>	0	
GE0/0/7	507	<input type="checkbox"/>	0	
GE0/0/8	507	<input type="checkbox"/>	0	
GE0/0/9	507	<input type="checkbox"/>	0	
GE0/0/10	507	<input type="checkbox"/>	0	
GE0/0/11	507	<input type="checkbox"/>	0	
GE0/0/12	507	<input type="checkbox"/>	0	
GE0/0/13	507	<input type="checkbox"/>	0	
GE0/0/14	507	<input type="checkbox"/>	0	
GE0/0/15	507	<input type="checkbox"/>	0	
GE0/0/16	507	<input type="checkbox"/>	0	
GE0/0/17	507	<input type="checkbox"/>	0	
GE0/0/18	507	<input type="checkbox"/>	0	
GE0/0/19	507	<input type="checkbox"/>	0	

【Parameter Description】

Parameter	Description
Active	Open IGMP-snooping
Querier	Open IGMP-snooping timed query function

Host Timeout	Configure the dynamic group sowing time (default 300s)
IGMP Route Port Forward	Open IGMP Route Port Forward
Max Group Limit	Max learning group of configuration port (default 1020)
Fast Leave	Open port quick exit function (i.e., when the port receives the IGMP and leaves the message, immediately remove the port from the reshuffle group)
Multicast Vlan	The configuration group multicast the default VLAN
IGMP Filtering Profile	The configuration port refers to the multicast preview, which can only be learned to the group broadcast group that is allowed in the group broadcast preview, and cannot be learned to the multicast group which is forbidden by the group broadcast preview

【Configuration Example】

2.2.13.3 IGMP Snooping Dney VLAN

Selecting “**Advanced Application>Multicast>IGMP Snooping Dney VLAN**”, in the navigation bar, you can preview the banned group broadcast group, unable to learn the multicast group that is prohibited by the group preview.

The screenshot shows a web-based configuration interface for IGMP Snooping Deny VLAN. At the top, there is a blue header with an orange circle icon and the text 'IGMP Snooping Deny VLAN'. To the right of the header, the text 'Multicast Setting' is displayed in purple. Below the header, there is a 'Vid' input field followed by three buttons: 'Add', 'Del', and 'Clear'. Below these buttons is a large, empty rectangular area with a vertical scrollbar on the right side, labeled 'Deny VLAN(s)'.

【Parameter Description】

Parameter	Description
Vid	Vlan's ID

2.2.13.4 IGMP Filtering Profile

Selecting “**Advanced Application>Multicast>IGMP Filtering Profile**”, in the navigation bar, you can add and remove the preview feature of the modified group.

IGMP Filtering Profile
[Multicast Setting](#)

Profile Setup

Profile ID	<input type="text"/>
Profile Description	<input style="width: 90%;" type="text"/>
Profile Limit	<input checked="" type="radio"/> permit <input type="radio"/> deny

Index	Profile ID	Profile Description	Profile Limit	Referred Port

Profile ID	<input type="text"/>
Input Format	<input checked="" type="radio"/> IP <input type="radio"/> MAC
Start Address	<input style="width: 90%;" type="text"/>
End Address	<input style="width: 90%;" type="text"/>
VLAN	<input style="width: 30%;" type="text"/>

Profile ID	Index	Start Addr	End Addr	VLAN	Delete

【Parameter Description】

Parameter	Description
Profile ID	The range of 1-128
Profile Limit	Profile rules can be permit or deny
Input Format	The preview address can be configured to be either IP or MAC

2.2.14 IPv6 Multicast

Selecting “**Advanced Application>IPv6 Multicast**”, in the navigation bar, you can configure IPv6 Multicast.

The screenshot shows a network management interface. On the left is a vertical navigation menu with the following items: Basic Setting, Advanced Application, Management, VLAN, MAC Address Forwarding, Loopback Detection, Spanning Tree Protocol, Bandwidth Control, Broadcast Storm Control, Mirroring, Link Aggregation, POE Settings, Classifier, Policy Rule, Queuing Method, Multicast, IPv6 Multicast (circled in red), Dos attack protect, DHCP Snooping Setting, SNTP Setting, LLDP Protocol, AAA, EEE, and ARP Safeguarding. On the right, the 'IPv6 Multicast Status' page is displayed, featuring a table with columns: Index, VID, Port, and IPv6 Multicast Group. The 'IPv6 Multicast Status' title is highlighted with a blue bar and an orange circle icon.

2.2.14.1 IPv6 Multicast Status

Selecting “**Advanced Application>IPv6 Multicast>IPv6 Multicast Status**”, in the navigation bar, you can view all IPv6 Multicast groups.

The screenshot shows the 'IPv6 Multicast Status' page. At the top, there is a blue navigation bar with an orange circle icon and the text 'IPv6 Multicast Status'. To the right of this bar is a link labeled 'IPv6 Multicast Setting'. Below the navigation bar is a table with the following columns: Index, VID, Port, and IPv6 Multicast Group.

2.2.14.2 IPv6 Multicast Setting

Selecting “**Advanced Application>IPv6 Multicast>IPv6 Multicast Setting**”, in the navigation bar, you can configure IPv6 Multicast.

 IPv6 Multicast Setting
[IPv6 Multicast Status](#)[Deny VLAN](#)

MLD Snooping:

Active	<input type="checkbox"/>
Querier	<input type="checkbox"/>
Host Timeout	300 seconds
MLD Route Port Forward	<input type="checkbox"/>

Port Information:

Port	Max Group Limit	Fast Leave	IPv6 Multicast Vlan
*		<input type="checkbox"/>	
GE0/0/1	507	<input type="checkbox"/>	0
GE0/0/2	507	<input type="checkbox"/>	0
GE0/0/3	507	<input type="checkbox"/>	0
GE0/0/4	507	<input type="checkbox"/>	0
GE0/0/5	507	<input type="checkbox"/>	0
GE0/0/6	507	<input type="checkbox"/>	0
GE0/0/7	507	<input type="checkbox"/>	0
GE0/0/8	507	<input type="checkbox"/>	0
GE0/0/9	507	<input type="checkbox"/>	0
GE0/0/10	507	<input type="checkbox"/>	0
GE0/0/11	507	<input type="checkbox"/>	0
GE0/0/12	507	<input type="checkbox"/>	0
GE0/0/13	507	<input type="checkbox"/>	0
GE0/0/14	507	<input type="checkbox"/>	0
GE0/0/15	507	<input type="checkbox"/>	0
GE0/0/16	507	<input type="checkbox"/>	0
GE0/0/17	507	<input type="checkbox"/>	0
GE0/0/18	507	<input type="checkbox"/>	0
GE0/0/19	507	<input type="checkbox"/>	0

【Parameter Description】

Parameter	Description
Active	Enable or disable MLD snooping
Querier	Enable or disable MLD snooping timed Querier
Host Timeout	Configure Dynamic IPv6 multicast aging time (default 300s)
MLD Route Port Forward	Enable or disable MLD Route Port

	Forward
Max Group Limit	Configure maximum learning IPv6 Multicast message of port(default 1020)
Fast Leave	Enable or disable Fast Leave (That is, when the port receives IGMP leave message, the port is deleted immediately from the IPv6 multicast group)
IPv6 Multicast VLAN	Configure IPv6 multicast default VLAN

【Configuration Example】

IPv6 Multicast Setting [IPv6 Multicast Status](#) [Deny VLAN](#)

MLD Snooping:

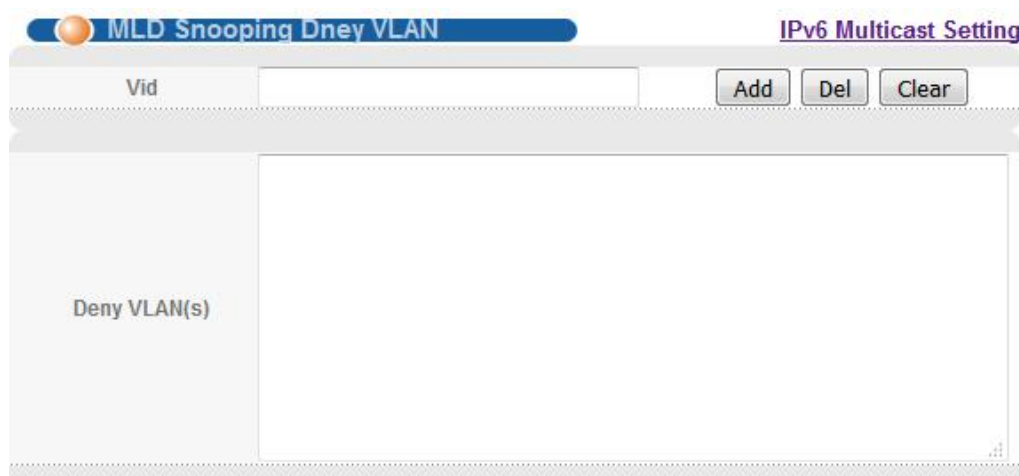
Active	<input type="checkbox"/>
Querier	<input type="checkbox"/>
Host Timeout	300 seconds
MLD Route Port Forward	<input type="checkbox"/>

Port Information:

Port	Max Group Limit	Fast Leave	IPv6 Multicast Vlan
* GE0/0/1	507	<input checked="" type="checkbox"/>	1

2.2.14.3 MLD Snooping Dney VLAN

Selecting “**Advanced Application>IPv6 Multicast>MLD Snooping Dney VLAN**”, in the navigation bar, you can configure MLD Snooping Dney VLAN.



MLD Snooping Deny VLAN IPv6 Multicast Setting

Vid Add Del Clear

Deny VLAN(s)

【Parameter Description】

Parameter	Description
Vid	Vlan ID

2.2.15 Dos attack protect

Selecting “**Advanced Application>Dos attack protect**”, in the navigation bar, you can configure dos attack protect.

Basic Setting

Advanced Application

Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

Dos Attack Protect

dos attack control:

Dos attack packets class	drop Active
src mac and dst mac equal	<input type="checkbox"/>
src ip and dst ip equal	<input type="checkbox"/>
UDP with sport and dport equal	<input type="checkbox"/>
TCP with sport and dport equal	<input type="checkbox"/>
ICMPv4 payload maximum length	<input type="checkbox"/> 512
ICMPv6 payload maximum length	<input type="checkbox"/> 512
TCP control flags and sequence equal 0	<input type="checkbox"/>
TCP syn packets sport 0-1023, applies to unfragmented packets	<input type="checkbox"/>
enable dos attack ip first fragments	<input type="checkbox"/>
check minimum size of ipv6 fragments	<input type="checkbox"/> 1240
fragmented icmp packets	<input type="checkbox"/>
TCP fragments with offset value of 1(*8)	<input type="checkbox"/>
TCP with SYN & FIN bits	<input type="checkbox"/>
TCP with FIN,URG and PSH bits,and sequence equal 0	<input type="checkbox"/>
TCP frist fragments with minimum tcp header length	<input type="checkbox"/> 20

【Parameter Description】

Parameter	Description
dos attack control	The DOS attack is controlled by the discarding behavior of the corresponding message

2.2.16 DHCP Snooping Setting

Selecting “**Advanced Application>DHCP Snooping Setting**”, in the navigation bar, you can configure DHCP Snooping.

Basic Setting

Advanced Application Management

- VLAN
- MAC Address Forwarding
- Loopback Detection
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- POE Settings
- Classifier
- Policy Rule
- Queuing Method
- Multicast
- IPv6 Multicast
- Dos attack protect
- DHCP Snooping Setting**
- SNTP Setting
- LLDP Protocol
- AAA
- EEE
- ARP Safeguarding


DHCP Snooping Setting
[IP Source Guard](#)

DHCP Snooping Enable Close Open

Port	Trust	Maxclients
*	<input type="checkbox"/>	
GE0/0/1	<input type="checkbox"/>	2048
GE0/0/2	<input type="checkbox"/>	2048
GE0/0/3	<input type="checkbox"/>	2048
GE0/0/4	<input type="checkbox"/>	2048
GE0/0/5	<input type="checkbox"/>	2048
GE0/0/6	<input type="checkbox"/>	2048
GE0/0/7	<input type="checkbox"/>	2048
GE0/0/8	<input type="checkbox"/>	2048
GE0/0/9	<input type="checkbox"/>	2048
GE0/0/10	<input type="checkbox"/>	2048
GE0/0/11	<input type="checkbox"/>	2048
GE0/0/12	<input type="checkbox"/>	2048
GE0/0/13	<input type="checkbox"/>	2048
GE0/0/14	<input type="checkbox"/>	2048
GE0/0/15	<input type="checkbox"/>	2048
GE0/0/16	<input type="checkbox"/>	2048
GE0/0/17	<input type="checkbox"/>	2048
GE0/0/18	<input type="checkbox"/>	2048
GE0/0/19	<input type="checkbox"/>	2048
GE0/0/20	<input type="checkbox"/>	2048
GE0/0/21	<input type="checkbox"/>	2048
GE0/0/22	<input type="checkbox"/>	2048
GE0/0/23	<input type="checkbox"/>	2048
GE0/0/24	<input type="checkbox"/>	2048

2.2.16.1 DHCP Snooping Setting

Selecting “**Advanced Application>DHCP Snooping Setting>DHCP Snooping Setting**”, in the navigation bar, you can configure DHCP Snooping.

 DHCP Snooping Setting
IP Source Guard

DHCP Snooping Enable Close Open

Port	Trust	Maxclients
*	<input type="checkbox"/>	
GE0/0/1	<input type="checkbox"/>	2048
GE0/0/2	<input type="checkbox"/>	2048
GE0/0/3	<input type="checkbox"/>	2048
GE0/0/4	<input type="checkbox"/>	2048
GE0/0/5	<input type="checkbox"/>	2048
GE0/0/6	<input type="checkbox"/>	2048
GE0/0/7	<input type="checkbox"/>	2048
GE0/0/8	<input type="checkbox"/>	2048
GE0/0/9	<input type="checkbox"/>	2048
GE0/0/10	<input type="checkbox"/>	2048
GE0/0/11	<input type="checkbox"/>	2048
GE0/0/12	<input type="checkbox"/>	2048
GE0/0/13	<input type="checkbox"/>	2048
GE0/0/14	<input type="checkbox"/>	2048
GE0/0/15	<input type="checkbox"/>	2048
GE0/0/16	<input type="checkbox"/>	2048
GE0/0/17	<input type="checkbox"/>	2048
GE0/0/18	<input type="checkbox"/>	2048
GE0/0/19	<input type="checkbox"/>	2048
GE0/0/20	<input type="checkbox"/>	2048
GE0/0/21	<input type="checkbox"/>	2048

【Parameter Description】

Parameter	Description
DHCP Snooping Enable	Enable or disable DHCP Snooping serve
Trust	Enable or disable the DHCP Snooping port trust property state
Maxclients	Set Maxclients

【Configuration Example】

DHCP Snooping Setting [IP Source Guard](#)

DHCP Snooping Enable Close Open

Port	Trust	Maxclients
*	<input type="checkbox"/>	
GE0/0/1	<input checked="" type="checkbox"/>	2048

2.2.16.2 IP Source Guard

Selecting “**Advanced Application>DHCP Snooping Setting>IP Source Guard**”, in the navigation bar, you can configure IP Source Guard.

IP-Source-Guard

System security settings

DHCP Snooping Setting

Port	Mode
*	Disable ▼
GE0/0/1	Disable ▼
GE0/0/2	Disable ▼
GE0/0/3	Disable ▼
GE0/0/4	Disable ▼
GE0/0/5	Disable ▼
GE0/0/6	Disable ▼
GE0/0/7	Disable ▼
GE0/0/8	Disable ▼
GE0/0/9	Disable ▼
GE0/0/10	Disable ▼
GE0/0/11	Disable ▼
GE0/0/12	Disable ▼
GE0/0/13	Disable ▼
GE0/0/14	Disable ▼
GE0/0/15	Disable ▼
GE0/0/16	Disable ▼
GE0/0/17	Disable ▼
GE0/0/18	Disable ▼
GE0/0/19	Disable ▼
GE0/0/20	Disable ▼
GE0/0/21	Disable ▼
GE0/0/22	Disable ▼
GE0/0/23	Disable ▼
GE0/0/24	Disable ▼
GE0/1/1	Disable ▼
GE0/1/2	Disable ▼
GE0/1/3	Disable ▼
GE0/1/4	Disable ▼

【Parameter Description】

Parameter	Description
Disable unbinding entry to access network	Enable or Disable unbinding entry to access network

【Instructions】

If you want to access shall be binding and switch the IP address of the same network segment.

2.2.17 SNTP Setting

Selecting “**Advanced Application>SNTP Setting**”, in the navigation bar, you can configure SNTP.

Basic Setting

Advanced Application

Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

SNTP Setup

SNTP Client Enable

SNTP Client Mode	<input type="text" value="broadcast"/>	
SNTP Client Poll Interval	<input type="text" value="1000"/>	(64~1024)
SNTP Client Retransmit Times	<input type="text" value="3"/>	(1~10)
SNTP Client Retransmit Interval	<input type="text" value="30"/>	(3~30)
SNTP Client Broadcast Delay	<input type="text" value="3"/>	(1~9999)ms
MD5 Authentication Enable	<input type="checkbox"/>	
Encrypt Enable	<input type="checkbox"/>	
SNTP Server IP Address	<input type="text"/>	(X.X.X.X)
Backup Server IP Address	<input type="text"/>	(X.X.X.X)
SNTP Server Key	<input type="text"/>	

Authentication Key List

KeyID	Key	Trusted
<input type="text"/>	<input type="text"/>	<input type="text" value="YES"/>

No Authentication Key configed.

Valid Server List

Server IP	Wildcard
<input type="text"/>	<input type="text"/>

【Parameter Description】

Parameter	Description
SNTP Client Enable	Enable or disable SNTP Client
SNTP Client Mode	SNTP Client Mode: broadcast, anycast

	<p>multicast</p> <p>unicast</p>
SNTP Client Poll Interval	It's interval that SNTP Client sends requests to SNTP Server
SNTP Client Retransmit Times	If SNTP Client does not receive a response within a certain period of time after sending a request,it will resend the request until the number of retransmissions exceeds the set value
SNTP Client Retransmit Interval	It's interval that SNTP Client resends requests to SNTP Server
SNTP Server IP Address	Set SNTP Server IP Address
Valid Server List Server IP	SNTP only receives the messages from Valid Server List Server IP configured
SNTP Client Enable	Enable or disable SNTP Client
SNTP Client Mode	SNTP Client Mode: broadcast, anycast multicast unicast
SNTP Client Poll Interval	It's interval that SNTP Client sends requests to SNTP Server
SNTP Client Retransmit Times	If SNTP Client does not receive a response within a certain period of time after sending a request,it will resend the request until the number of retransmissions exceeds the set value
Valid Server List Server IP	SNTP only receives the messages from Valid Server List Server IP configured

【Instructions】

SNTP Client receives and transmits messages from any SNTP Server when work mode of SNTP Client is broadcast or multicast. Local time cannot be synchronized to standard time if there is a malicious attack server (which provides incorrect time)

2.2.18 LLDP Protocol

Selecting “**Advanced Application>LLDP Protocol**”, in the navigation bar, you can configure LLDP.

Port	Mode	TxPkts	RxPkts	Neighbours
GE0/0/1	Disabled	-	-	-
GE0/0/2	Disabled	-	-	-
GE0/0/3	Disabled	-	-	-
GE0/0/4	Disabled	-	-	-
GE0/0/5	Disabled	-	-	-
GE0/0/6	Disabled	-	-	-
GE0/0/7	Disabled	-	-	-
GE0/0/8	Disabled	-	-	-
GE0/0/9	Disabled	-	-	-
GE0/0/10	Disabled	-	-	-
GE0/0/11	Disabled	-	-	-
GE0/0/12	Disabled	-	-	-
GE0/0/13	Disabled	-	-	-
GE0/0/14	Disabled	-	-	-
GE0/0/15	Disabled	-	-	-
GE0/0/16	Disabled	-	-	-
GE0/0/17	Disabled	-	-	-
GE0/0/18	Disabled	-	-	-
GE0/0/19	Disabled	-	-	-
GE0/0/20	Disabled	-	-	-
GE0/0/21	Disabled	-	-	-
GE0/0/22	Disabled	-	-	-
GE0/0/23	Disabled	-	-	-
GE0/0/24	Disabled	-	-	-
GE0/1/1	Disabled	-	-	-
GE0/1/2	Disabled	-	-	-
GE0/1/3	Disabled	-	-	-
GE0/1/4	Disabled	-	-	-


2.2.18.1 LLDP Status

Selecting “**Advanced Application>LLDP Protocol>LLDP Status**”, in the navigation bar, you can view LLDP status.

LLDP Status				LLDP Setting	
Port	Mode	TxPkts	RxPkts	Neighbours	
GE0/0/1	Disabled	-	-	-	
GE0/0/2	Disabled	-	-	-	
GE0/0/3	Disabled	-	-	-	
GE0/0/4	Disabled	-	-	-	
GE0/0/5	Disabled	-	-	-	
GE0/0/6	Disabled	-	-	-	
GE0/0/7	Disabled	-	-	-	
GE0/0/8	Disabled	-	-	-	
GE0/0/9	Disabled	-	-	-	
GE0/0/10	Disabled	-	-	-	
GE0/0/11	Disabled	-	-	-	
GE0/0/12	Disabled	-	-	-	
GE0/0/13	Disabled	-	-	-	
GE0/0/14	Disabled	-	-	-	
GE0/0/15	Disabled	-	-	-	
GE0/0/16	Disabled	-	-	-	
GE0/0/17	Disabled	-	-	-	
GE0/0/18	Disabled	-	-	-	
GE0/0/19	Disabled	-	-	-	
GE0/0/20	Disabled	-	-	-	
GE0/0/21	Disabled	-	-	-	
GE0/0/22	Disabled	-	-	-	
GE0/0/23	Disabled	-	-	-	
GE0/0/24	Disabled	-	-	-	
GE0/1/1	Disabled	-	-	-	
GE0/1/2	Disabled	-	-	-	
GE0/1/3	Disabled	-	-	-	
GE0/1/4	Disabled	-	-	-	

2.2.18.2 LLDP Setting

Selecting “**Advanced Application>LLDP Protocol>LLDP Setting**”, in the navigation bar, you can configure LLDP.

 **LLDP Setting**
[LLDP Status](#)

Active	<input type="checkbox"/>	
Hello-time	30	seconds(5-32768)
Hold-time	4	seconds(2-10)

Port	Mode
*	Disable ▼
GE0/0/1	Disable ▼
GE0/0/2	Disable ▼
GE0/0/3	Disable ▼
GE0/0/4	Disable ▼
GE0/0/5	Disable ▼
GE0/0/6	Disable ▼
GE0/0/7	Disable ▼
GE0/0/8	Disable ▼
GE0/0/9	Disable ▼
GE0/0/10	Disable ▼
GE0/0/11	Disable ▼
GE0/0/12	Disable ▼
GE0/0/13	Disable ▼
GE0/0/14	Disable ▼
GE0/0/15	Disable ▼
GE0/0/16	Disable ▼
GE0/0/17	Disable ▼
GE0/0/18	Disable ▼
GE0/0/19	Disable ▼
GE0/0/20	Disable ▼
GE0/0/21	Disable ▼
GE0/0/22	Disable ▼
GE0/0/23	Disable ▼
GE0/0/24	Disable ▼

2.2.19 AAA

Selecting “**Advanced Application>AAA**”, in the navigation bar, you can configure AAA.

Basic Setting

Advanced Application Management

802.1x

AAA

MUSER

EAP Forwarding Mode: ▼

Quiet Period: seconds(0-600)

Port	Active	Port Control	Reauthentication	Reauthentication Timer	Max User(s)
*	disable ▼	auto ▼	Off ▼	seconds	
GE0/0/1	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/2	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/3	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/4	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/5	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/6	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/7	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/8	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/9	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/10	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/11	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/12	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/13	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/14	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/15	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/16	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/17	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/18	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/19	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/20	disable ▼	auto ▼	Off ▼	3600 seconds	100
GE0/0/21	disable ▼	auto ▼	Off ▼	3600 seconds	100

2.2.19.1 802.1x

Selecting “**Advanced Application>AAA>802.1x**”, in the navigation bar, you can configure 802.1x.

802.1x AAA MUSER

EAP Forwarding Mode

Quiet Period

Port	Active	Port Control	Reauthentication	Reauthentication Timer		Max User(s)
*	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>		seconds	
GE0/0/1	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/2	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/3	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/4	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/5	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/6	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/7	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/8	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/9	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/10	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/11	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/12	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/13	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/14	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/15	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/16	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/17	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/18	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/19	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/20	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100
GE0/0/21	disable <input type="button" value="v"/>	auto <input type="button" value="v"/>	Off <input type="button" value="v"/>	3600	seconds	100

【Parameter Description】

Parameter	Description
EAP Forwarding Mode	EAP Forwarding Mode : eap-finish, Eap-tansfer
Quiet Period	If the same user fails to log in more than the allowed value, he or she will not be allowed to try to log in at a certain time
Active	Active: disable

	portbased(multi) portbased(single) macbased
Port Control	Port Control: auto forceauthorized forceunauthorized
Reauthentication	After user authentication is passed, the port can be configured to reauthenticate or periodically re-authenticate
Reauthentication Timer	Time range of Reauthentication Timer: 10-3600 seconds
Max user(s)	The maximum number of users: 1-100

2.2.19.2 Radius Domain

Selecting "**Advanced Application>AAA>Radius Domain**", in the navigation bar, you can configure Radius Domain.

[Domain](#) [802.1x](#) [MUSER](#) [Radius](#) [TACACS+](#)

Radius Domain:

Active	<input type="checkbox"/>
Domain Name	<input type="text"/>
Default Domain	<input type="checkbox"/>
Radius Service Name	<input type="text"/>
Force Max Number	<input checked="" type="radio"/> Disable <input type="radio"/> 1 <input type="text"/> (1-640)

Domain Name	Radius Service Name	Active	Delete

【Parameter Description】

Parameter	Description
Active	Enable or disable radius domain
Domain Name	Set domain name
Radius Server Name	Set Radius Server name
Force Max Number	Maximum number of user connections range: 1-640

【Instructions】

It needs to provide user name and password when the client is authenticated. The user name information generally includes the ISP information of user, domain and the ISP one-to-one correspondence, the main information domain is the domain of the user is authenticated and accounted by which RADIUS server.

2.2.19.3 Remote Authentication

Selecting “**Advanced Application>AAA>Remote Authentication**”, in the navigation bar, you can configure Remote Authentication.

[Remote Authentication](#) [802.1x](#) [AAA](#) [Radius](#) [TACACS+](#)

Authentication Mode: Local

【Parameter Description】

Parameter	Description
Authentication Mode	Authentication Mode: Local, Radius, Tacacs+

2.2.19.4 TACACS+ Server Setup

Selecting “**Advanced Application>AAA>TACACS+ Server Setup**”, in the navigation bar, you can configure TACACS+ Server Setup.

[TACACS+ Server Setup](#) [AAA](#) [MUSER](#)

Authentication Server

Authentication Type: ascii

Encrypt Key:

Preemption Time: 0 min (0-1440)

Index	IP Address	TCP Port	Shared Secret	TimeOut	Delete
1	0.0.0.0	49		5	<input type="checkbox"/>
2		49		5	<input type="checkbox"/>

【Parameter Description】

Parameter	Description
Authentication Type	Authentication Mode: ascii, Chap, pap

Preemption Time	The time range of Preemption Time: 0-1440 minutes
-----------------	--

2.2.19.5 Radius Server Setup

Selecting “**Advanced Application>AAA>Radius Server Setup**”, in the navigation bar, you can configure Radius Server Setup.

RADIUS Server Setup
AAA
MUSER

8021P Priority

H3C Cams

Bandwidth Limit

Radius Host:

Host Name

Preemption Time min (0-1440)

Server	Index	IP Address	UDP Port	Shared Secret
Authentication Server	1	<input style="width: 80px;" type="text" value="0.0.0.0"/>	<input style="width: 50px;" type="text" value="1812"/>	<input style="width: 100px;" type="text" value="Switch"/>
	2	<input style="width: 80px;" type="text" value="0.0.0.0"/>	<input style="width: 50px;" type="text" value="1812"/>	<input style="width: 100px;" type="text"/>
Accounting Server	1	<input style="width: 80px;" type="text" value="0.0.0.0"/>	<input style="width: 50px;" type="text" value="1813"/>	<input style="width: 100px;" type="text" value="Switch"/>
	2	<input style="width: 80px;" type="text" value="0.0.0.0"/>	<input style="width: 50px;" type="text" value="1813"/>	<input style="width: 100px;" type="text"/>

Host	Authentication IP Address	Accounting IP Address	Delete

【Parameter Description】

Parameter	Description
8021P Priority	After this function is turned on, if the user authentication is pass, it will modify the PVID of the user's port.
H3C Cams	In this feature, you can configure the version

	information of transmitting clients to the radius server through the radius attribute client-version.
Bandwidth limit	After this function is turned on, if the user authentication is pass, it will modify the Bandwidth of the user's port.

2.2.20 EEE

Selecting “**Advanced Application>EEE**”, The page can be configured to EEE.

Basic Setting

Advanced Application

Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

EEE

Port	Enable
*	<input type="checkbox"/>
GE0/0/1	<input type="checkbox"/>
GE0/0/2	<input type="checkbox"/>
GE0/0/3	<input type="checkbox"/>
GE0/0/4	<input type="checkbox"/>
GE0/0/5	<input type="checkbox"/>
GE0/0/6	<input type="checkbox"/>
GE0/0/7	<input type="checkbox"/>
GE0/0/8	<input type="checkbox"/>
GE0/0/9	<input type="checkbox"/>
GE0/0/10	<input type="checkbox"/>
GE0/0/11	<input type="checkbox"/>
GE0/0/12	<input type="checkbox"/>
GE0/0/13	<input type="checkbox"/>
GE0/0/14	<input type="checkbox"/>
GE0/0/15	<input type="checkbox"/>
GE0/0/16	<input type="checkbox"/>
GE0/0/17	<input type="checkbox"/>
GE0/0/18	<input type="checkbox"/>
GE0/0/19	<input type="checkbox"/>
GE0/0/20	<input type="checkbox"/>
GE0/0/21	<input type="checkbox"/>
GE0/0/22	<input type="checkbox"/>
GE0/0/23	<input type="checkbox"/>
GE0/0/24	<input type="checkbox"/>
GE0/1/1	<input type="checkbox"/>
GE0/1/2	<input type="checkbox"/>
GE0/1/3	<input type="checkbox"/>
GE0/1/4	<input type="checkbox"/>

2.2.21 ARP Safeguarding

Selecting “**Advanced Application>ARP Safeguarding**”, The page can be configured to prevent arp flooding.

Basic Setting

Advanced Application Management

VLAN

MAC Address Forwarding

Loopback Detection

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

POE Settings

Classifier

Policy Rule

Queuing Method

Multicast

IPv6 Multicast

Dos attack protect

DHCP Snooping Setting

SNTP Setting

LLDP Protocol

AAA

EEE

ARP Safeguarding

ARP Anti-Flood

Global Configuration

ARP Anti-Flood	DISABLE ▾	Action	drop-arp ▾
Rate Limit	16 (1~100)pps	Recover Time	10 (0~1440)m

Apply Del

Port Rate Limit Configuration

Port	Rate Limit(1~100)pps	Port	Rate Limit(1~100)pps
GE0/0/1	0	GE0/0/2	0
GE0/0/3	0	GE0/0/4	0
GE0/0/5	0	GE0/0/6	0
GE0/0/7	0	GE0/0/8	0
GE0/0/9	0	GE0/0/10	0
GE0/0/11	0	GE0/0/12	0
GE0/0/13	0	GE0/0/14	0
GE0/0/15	0	GE0/0/16	0
GE0/0/17	0	GE0/0/18	0
GE0/0/19	0	GE0/0/20	0
GE0/0/21	0	GE0/0/22	0
GE0/0/23	0	GE0/0/24	0
GE0/1/1	0	GE0/1/2	0
GE0/1/3	0	GE0/1/4	0

Apply

ARP Anti-Flood Entry

Src MAC	Src IP	Port	VLAN	Recover Time(m)	Recover MAC

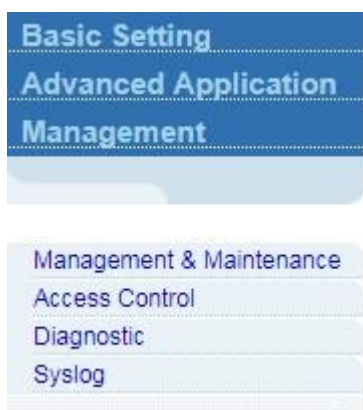
Refresh Apply

【Parameter Description】

Parameter	Description
Global Configuration	Enable or disable ARP Anti-flood
Port Rate Limit	It can set Arp message speed limit for specific interface. If it exceeds the speed limit, it is considered to be under attack.

2.3 Management

Choose Management, and the following page appears. There are "**Management & Maintenance**", "**Access Control**", "**Diagnostic**", "**Syslog**", configuration web pages.



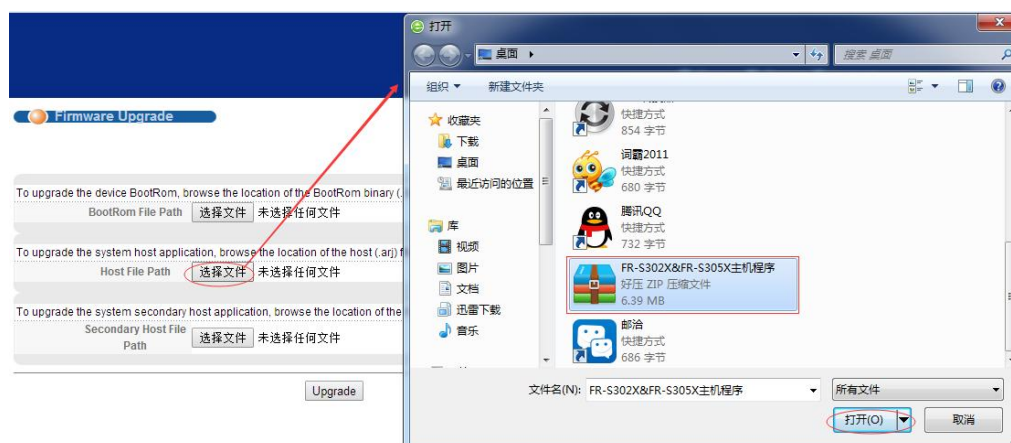
2.3.1 Management & Maintenance

Selecting “**Management> Management & Maintenance**”, in the navigation bar, you can Upgrade Firmware , Restart System and Maintenance switch.



【 Configuration Example 】

1.Firmware Upgrade



2.Restart system. Restart type: Restart, Restart with Factory Defaults.

Restart System Management

startup application select Default Host (V01D01P01SP3) Secondary Host (V01D01P01SP1)

Select restart type

3.OAM Diag, Virtual cable can be tested.

OAM Diag Maintenance

Virtual Cable Test :

port

twisted-pair:	pair1	pair2	pair3	pair4
status:	NORMAL	NORMAL	NORMAL	NORMAL
locate(meters):				

2.3.2 Access Control


Selecting “**Management> Access Control**”, in the navigation bar, you can set SNMP and Logins.

Access Control

SNMP	Click Here
Logins	Click Here

2.3.2.1 SNMP

Selecting “**Management> Access Control>SNMP**”, in the navigation bar, you can configure SNMP.

 **SNMP**
[Access Control](#)
[User](#)

General Setting

Snmp Server	ENABLE ▾
Community Name	<input type="text"/>
Access privilege	Read-write ▾

Trap Destination

Version	IP	Port	Username
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public

【Parameter Description】

Parameter	Description
Community Name	Community string, is equal to the NMS and Snmp agent communication between the password
Access privilege	Read-only: specify the NMS (Snmp host) of MIB variables can only be read, cannot be modified Read- write: specify the NMS (Snmp host) of MIB variables can only read, can also be modified
Version	Set version: v1, v2c, v3
IP	Set the IP address of the trap host

【Configuration Example】

Such as: Add a group name public community, access to Read-Write. Set host 192.168.1.100 to receive trap messages. The specified version is v2c.

SNMP
[Access Control](#)
[User](#)

General Setting

Snm Server	ENABLE ▾
Community Name	<input type="text"/>
Access privilege	Read-write ▾

Trap Destination

Version	IP	Port	Username
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public
v2c ▾	0.0.0.0	162	public

2.3.2.2 User Information

Selecting “**Management> Access Control>User Information**”, in the navigation bar, you can add user, set Security Level, Authentication, Privacy, Group, Password.

User Information
[SNMP Setting](#)

Username	<input type="text"/>
Security Level	noauth ▾
Authentication	MD5 ▾ Password <input type="text"/>
Privacy	DES ▾ Password <input type="text"/>
Group	initial ▾

Index	Username	SecurityLevel	Authentication	Privacy	Group	Delete
1	initialmd5	pri	MD5	DES	initial	<input type="checkbox"/>
2	initialsha	pri	SHA	DES	initial	<input type="checkbox"/>
3	initialnone	noauth	noauth	nopri	initial	<input type="checkbox"/>

【Parameter Description】

Parameter	Description
Username	Snm username
Security Level	noauth

	auth pri
Authentication	MD5 SHA
Privacy	DES Privacy
Group	User group name
Password	Encrypted password

【Configuration Example】

Such as: Add group initial, add username user1.

The screenshot shows a configuration window titled "User Information" with a "SNMP Setting" link. The form contains the following fields and values:

Username	user1		
Security Level	noauth		
Authentication	MD5	Password	admin
Privacy	DES	Password	admin
Group	initial		

At the bottom of the form, there are three buttons: "Add", "Cancel", and "Clear". The "Add" button is circled in red.

2.3.2.3 Logins

Selecting "**Management>Access Control>Logins**", in the navigation bar, you can modify admin password, configurable ordinary users.

Logins [Access Control](#) [Super Password](#)

[Edit admin](#)

Old Password (1-32 characters)
New Password (1-32 characters)	
Retype to confirm	
User privilege (0:Guest 1:User 2-14:Operator 15:Manager)	15 Administrator

Please record your new password whenever you change it. The system will lock you out if you have forgotten your password.

[Edit Other Logins](#)

Login	User Name	New Password	Retype to confirm	User privilege
1				0 Guest ▼
2				0 Guest ▼
3				0 Guest ▼
4				0 Guest ▼
5				0 Guest ▼
6				0 Guest ▼
7				0 Guest ▼
8				0 Guest ▼
9				0 Guest ▼
10				0 Guest ▼
11				0 Guest ▼
12				0 Guest ▼
13				0 Guest ▼
14				0 Guest ▼

【Parameter Description】

Parameter	Description
User privilege	0: Guest 1:User 2-14: Operator 15:Manager

【Configuration Example】

Logins [Access Control](#) [Super Password](#)

[Edit admin](#)

Old Password (1-32 characters)
New Password (1-32 characters)
Retype to confirm
User privilege (0:Guest 1:User 2-14:Operator 15:Manager)	15 Administrator

Edit Other Logins

Login	User Name	New Password	Retype to confirm	User privilege
1	Anne	••••••	••••••	0 Guest ▼
2				0 Guest ▼
3				0 Guest ▼
4				0 Guest ▼
5				0 Guest ▼
6				0 Guest ▼
7				0 Guest ▼
8				0 Guest ▼
9				0 Guest ▼
10				0 Guest ▼
11				0 Guest ▼
12				0 Guest ▼
13				0 Guest ▼
14				0 Guest ▼
15				0 Guest ▼

Apply Cancel

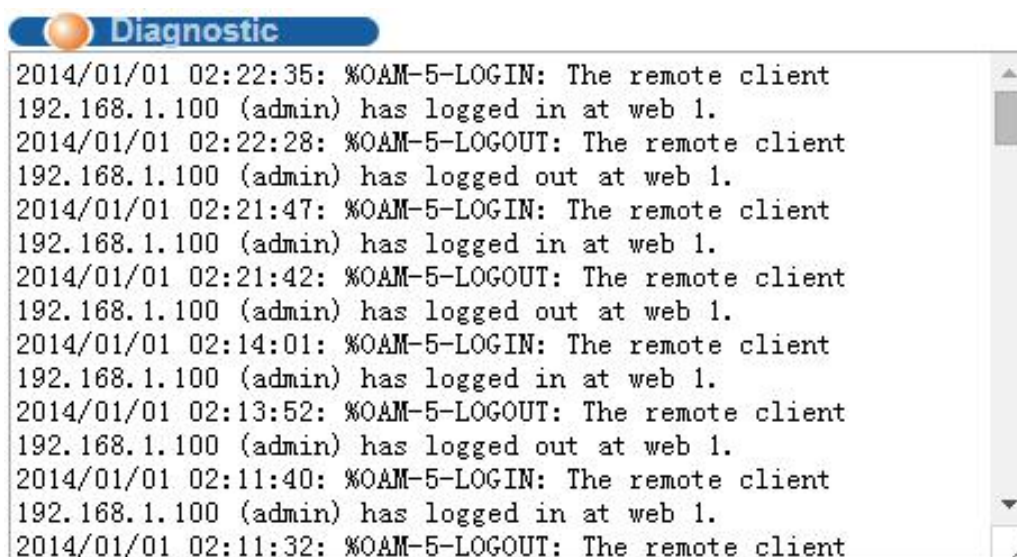
2.3.3 Diagnostic

Selecting "**Management> Diagnostic**", in the navigation bar, you can Display or Clear System Log.

The screenshot shows a web-based management interface. On the left, a navigation menu is visible with the following items: 'Basic Setting', 'Advanced Application', 'Management', 'Management & Maintenance', 'Access Control', 'Diagnostic' (circled in red), and 'Syslog'. The main content area is titled 'Diagnostic' and contains a large empty box with the text '- Info -'. At the bottom of the page, there is a 'System Log' section with two buttons: 'Display' and 'Clear'.

【Configuration Example】

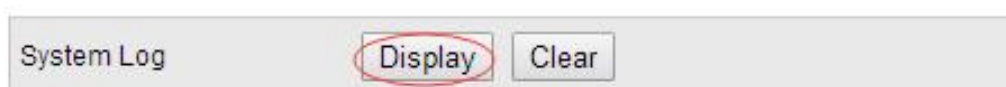
Such as: Display System Log.



```

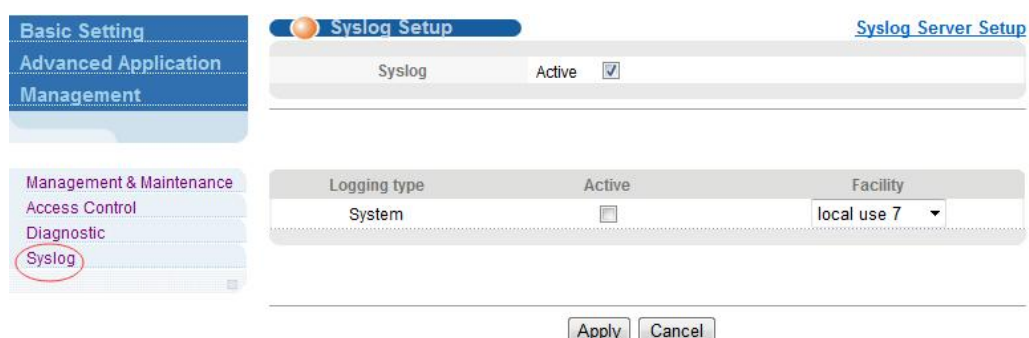
2014/01/01 02:22:35: %OAM-5-LOGIN: The remote client
192.168.1.100 (admin) has logged in at web 1.
2014/01/01 02:22:28: %OAM-5-LOGOUT: The remote client
192.168.1.100 (admin) has logged out at web 1.
2014/01/01 02:21:47: %OAM-5-LOGIN: The remote client
192.168.1.100 (admin) has logged in at web 1.
2014/01/01 02:21:42: %OAM-5-LOGOUT: The remote client
192.168.1.100 (admin) has logged out at web 1.
2014/01/01 02:14:01: %OAM-5-LOGIN: The remote client
192.168.1.100 (admin) has logged in at web 1.
2014/01/01 02:13:52: %OAM-5-LOGOUT: The remote client
192.168.1.100 (admin) has logged out at web 1.
2014/01/01 02:11:40: %OAM-5-LOGIN: The remote client
192.168.1.100 (admin) has logged in at web 1.
2014/01/01 02:11:32: %OAM-5-LOGOUT: The remote client

```



2.3.4 Syslog

Selecting “**Management> Syslog**”, in the navigation bar, you can configure syslog.



2.3.4.1 Syslog Setup

Selecting “**Management>Syslog>Syslog Setup**”, in the navigation bar, you can start the logging function globally and the logging function of the corresponding module.

Syslog Setup [Syslog Server Setup](#)

Syslog	Active	<input checked="" type="checkbox"/>
--------	--------	-------------------------------------

Logging type	Active	Facility
System	<input type="checkbox"/>	local use 7 ▼
