Gigabit management Ethernet switch

WEB network management guide

Ver 3.3.3

statement

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Preface

This handbook describes the WEB pages of a full Gigabit Ethernet switch, Users can manage the switch through the WEB pages of a full Gigabit Ethernet switch. This handbook is a simple introduction to the operation of each WEB page, For the various functions of the full Gigabit management Ethernet switch, see the user's operation manual.

The preface contains the following:

- Reader object
- Product introduction
- Product function

Reader object

- Network planner
- Field technical support and maintenance personnel
- Network administrator responsible for network configuration and maintenance

Product introduction

The full Gigabit management Ethernet switch is designed and developed by our company, An Ethernet switch designed specifically for building high security, high performance network requirements. The system adopts a new software and hardware platform, Provide a comprehensive security system, a perfect QoS strategy, and a rich VLAN function, Simple management and maintenance, It is an ideal office network, campus network, and the converging layer switch of small and medium enterprises and branches.

Product function

- Support IEEE 802.3x
- Support IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z
- Support IEEE 802.3ad
- Support IEEE 802.3q, IEEE 802.3q/p
- Support IEEE 802.1w, IEEE 802.1d, EEE 802.1S
- Support 16K MAC address table, automatic update, two-way learning
- Support based port VLAN, with up to 4096 VLAN
- Support 802.1Q standard VLAN
- Support for STP spanning tree protoco
- Support RSTP fast spanning tree protocol
- Support MSTP fast spanning tree protocol
- Support EPPS ring network protocol
- Support EAPS ring network protocol
- Support 802.1x argument agreement

- Support for 8 groups of converging, with a maximum of 8 ports in each group
- Port mirrors supporting transceiver two-way
- Support loop protection function, real-time detection, rapid alarm, accurate positioning, intelligent blocking, automatic recovery
- Support downstream ports to separate from each other and communicate with the upper port
- Support half duplex based on backpressure control
- Support full duplex based on PAUSE frames
- Port based input / output bandwidth management
- Support IGMPv1/2/3 and MLDv1/2 Snooping
- Support GMRP protocol registration
- Support multicast address management, multicast VLAN, multicast routing port, static multicast address
- Support DHCP Snoping
- Support for storm suppression of unknown unicast, multicast, unknown multicast, broadcast type
- Support for storm suppression based on bandwidth regulation and storm filtration
- Support the user port +IP address +MAC address
- Support ACL based on IP and MAC
- Security properties that support the number of port based MAC addresses
- Support 802.1p port queue priority algorithm
- Support Cos/Tos, QOS markup
- Support WRR (Weighted Round Robin), weighted priority rotation algorithm
- Three priority scheduling modes supporting WRR, SP, and WFQ
- Support Auto-MDIX function to automatically identify through network lines and cross network lines
- Support port support automatic negotiation function (self negotiation transmission rate and duplex mode)
- Support upgrade package upload
- Support system log view
- Support WEB to restore factory configuration

- Support to open or close a port
- Support standard POE scheduling management
- Support automatic detection of online equipment function (automatic automatic, no operation)
- Support WEB interface management
- Support CLI management based on Telnet and Console
- Support SNMP V1/V2/V3 management
- Support SSHV1/V2 management
- Support RMON management

version update

Ver 3.3.3

User experience Optimization

The problem is solved and the response speed is faster.

Perfect support for Chinese and English one key conversion.

The relevant functions are optimized to make the management easier.

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-, WEB PAGE OVERVIEW

1、WEB access' characteristics

All Gigabit management Ethernet switches provide Web access for users. Users can access switches through Web browsers to manage and configure switches. The main features of WEB access are:

- Easy to access: Users can easily access the switch from anywhere on the network.
- Users can use the familiar Netscape Communicator and Microsoft Internet Explorer and other browsers to access the WEB page of the switch.WEB page is presented to the user in graphical and tabular form.
- The Gigabit management Ethernet switch provides abundant WEB pages.
 Users can configure and manage most of the functions of these switches through these WEB pages.
- WEB page function's classification and integration, user-friendly to find the relevant page for configuration and management.

2、WEB browsing's system requirements

Web browsing's system requirements shown in Table 1. Table 1:

Hardware and	System Requirement
Software	
CPU	Pentium 586 above
RAM	128MB above
Resolution	800x600 above
Color	256 colors above
Browser	IE4.0 above or Netscape4.01 above
Operating	Microsofte, Windows95e, Windows98e, WindowsNTe,
System	Windows2000®,WindowsXP®,WindowsME®, WindowsVista®,
	Windows7®, Windows8®,MAC, Linux,Unix operating system

Note:

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3、WEB browsing session login

Before you start a Web browsing session, you need to confirm:

- IP has been configured on the switch. By default, the interface IP address of the switch's VLAN1 is 192.168.0.1.
- The subnet mask is 255.255.255.0.
- A host computer with a Web browser installed has been connected to the network, and the host computer can PING through the switch.
- After the completion of the above two tasks, the user in the browser's address bar enter the address of the switch and press Enter to enter the switch Web login page, as shown in Figure 1, When multi-user management is not enabled, the user login to the Web when the need for anonymous user (admin) password verification, Only enter the correct password to access the Web, anonymous user password default to admin.

If the system is enabled for multi-user management and configured privileged users, the anonymous user password will not take effect, the user access to the Web does not do anonymous user password verification, but do multi-user management user name and password authentication.

Authentication	Required	×
?	http://192.168.0.1 is requesting your username and password. The site says: "Networks"	
User Name:	admin	
Password:	•••••	
	OK Cancel	

Pic 1 WEB login page for browsing session

4、WEB page basic composition

Figure 2, The WEB page consists of three parts: the title page, the navigation tree page, and the main page.

Ma	naged Switch 🗅 Links Disat		6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		
				中文	English
	Managed Switch System Configuration	Emissionen er	System Configuration		
• 🗀	Port Configuration	System Description	Managed Switch 3.3.3		
• 🧰	MAC Binding	System Object ID	1.3.6.1.4.1.12284.1		
Ð 🧰	MAC Filter	System Version	Managed Switch 3.3.3		
•	VLAN Configuration	Num Network Interfaces	27		
•	SNMP Configuration	System start time	0-Days 0-Hours 0-Minutes 27-Seconds		
÷ 🗀	ACL Configuration	System Name	Switch		
	QOS Configuration				
	· · · · · · · · · · · · · · · · · · ·	System Location		10	
		System Locadon			
				11	
		System Contact			
				1	
1.			Defresh Apply Help		
_			Reliesii Appiy Help		
	•				
	POE Power Control				
•	SNMP Configuration ACL Configuration	System start time System Name System Location	0-Days 0-Hours 0-Minutes 27-Seconds		

Pic 2 Switch Web page basic composition page

Title Page Used to display the logo, and real-time port status as shown below The green light indicates that the port is connected;

The gray light indicates that the port is not connected;

The red light indicates that the port is off (the specific setting is shown in Figure 17)



Main page Used to display the page selected by the user from the navigation tree.

5. Navigation tree structure

Figure 3 shows the organization of the navigation tree.

The navigation tree is located at the bottom left of each page, displaying the nodes of the Web page in a tree, and the user can easily find the WEB page to be managed. According to the different functions of the page will be divided into different groups, each group includes one or more pages. Most web pages in the navigation tree are abbreviations of the page title at the top of the corresponding page.

Managed Switch 🗅 Link up Managed Switch		6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	
			中文 Englis
Managed Switch		System Configuration	
Port Configuration	System Description	Managed Switch 3.3.3	
🖻 🧰 MAC Binding	System Object ID	1.3.6.1.4.1.12284.1	
MAC Filter	System Version	Managed Switch 3.3.3	
ULAN Configuration	Num Network Interfaces	27	
SNMP Configuration	System start time	0-Days 0-Hours 0-Minutes 27-Seconds	
ACL Configuration QOS Configuration IP Basic Configuration	System Name	Switch	1
AAA Configuration STP Configuration	System Location		
IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration	System Contact		1
Cluster Management Log Management		Refresh Apply Help	
POE Power Control			

Pic 3 Switch the navigation tree's organization page

6、Page button introduction

There are some general buttons on the page, the role of these buttons is generally the same, Table 2 on the role of these buttons to introduce.

Table 2	:
---------	---

Button	Effect
Refresh	Update all fields on the page
Application	Put the updated values in memory.Because the error check is
	done by the Web server, there is no error check before the
	user selects the button
Delete	Delete the current record
Help	Open the help page and view the configuration instructions for
	each page

7、Error message

If the switch's WEB server is in error when processing user requests, the corresponding error message is displayed in a dialog box. For example, Figure 4 shows an error message dialog box.



Pic 4 Error message's page

8、Entry field

There are some pages in the leftmost column of the table that have an entry field, as shown in Figure 5, through which you can access different rows in the table. When you select a value in the entry field, the corresponding information for that row is displayed on the first row, and only the row can be edited, which is also called the active row. When the first page is loaded, the entry field displays new, the active row is empty.

If you want to add a new row, select new from the drop-down menu of the entry field, enter the new row information, and press the Apply key.

If you want to edit an existing row, select the appropriate row number from the drop field menu of the entry field, edit the row as needed, and press the Apply key. You will see the corresponding change displayed in the table.

If you want to delete a row, select the corresponding row number from the drop-down menu in the entry field and press the Delete key. The row will disappear from the table.

Managed Switch Disable			3 14 15 16 17 18 19 20 21 22	23 24 25 26
				中文 English
Managed Switch Barrier System Configuration	P	SNMP Comr	munity Configuration	
Port Configuration	Item	Community Name	Read/Write	State
MAC Binding	New T		×	
MAC Filter	1	public	ReadOnly	active
VLAN Configuration SNMP Configuration Community Name TRAP Target ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Configuration		Refresh App		
GMRP Configuration EAPS Configuration RMON Configuration Cluster Management Log Management POE Power Control				

Pic 5 Entry field's page

9、State field

There are some pages in the rightmost column of the table that have a status field, as shown in Figure 6, where the field shows the row state. Since all row state changes are processed internally, the status field is read-only. Once all the domain information in the row is valid, the row state becomes automatically active.

Managed Switch	0000		1 12 13 14 15 16 1	7 18 19 20 21 22 23 2	00 00 14 25 26
					中文 English
G Managed Switch ♥ System Configuration	7	SNM	P Community Config	guration	
🗄 🧰 Port Configuration	Item	Community Name		Read/Write	State
MAC Binding	New 🔻			•	
MAC Filter	1	pu	blic	ReadOnly	active
VLAN Configuration SNMP Configuration		Refresh	Apply Delete	Help	
SNMP Configuration Community Name					
TRAP Target					
ACL Configuration					
QOS Configuration					
🗉 🧰 IP Basic Configuration					
🗉 🗀 AAA Configuration					
MSTP Configuration					
IGMP SNOOPING Configuration					
GMRP Configuration					
EAPS Configuration RMON Configuration					
Rivion Conliguration End Cluster Management					
E Log Management					
POE Power Control					

Pic 6 State field's page

二、WEB PAGE INTRODUCTION

1, Login dialog box

Image: http://192.168.0.1 is requesting your username and password. The site says: "Networks" User Name: admin			
	says:		?
		admin	User Name:
Password: •••••		•••••	Password:

Pic 7 WEB Browse the session's login page

Figure 7 shows the login dialog box, which is displayed when the user first logs in to the web page. The user enters the user name and password in the corresponding field, and then clicks the OK key to log in to the Web server of the switch. Password is case-sensitive, anonymous user password can be set up to 16 characters, and multi-user name and password are up to 16 characters can be set.

The default user name for the switch is anonymous user name admin. The default password is anonymous user password. Anonymous user password is empty by default.

2、Main page

Figure 8 shows the WEB main page of the switch. The page will be displayed after the user logs in to the page.

М	anaged Switch	Link up Link dn Disable		6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		
					中文	English
	Managed Switch		Parameter	System Configuration		
E 🗀	Port Configuration		System Description	Managed Switch 3.3.3		
Ð.			System Object ID	1.3.6.1.4.1.12284.1		
± 💼			System Version	Managed Switch 3.3.3		
÷ 🗀	VLAN Configuration		Num Network Interfaces	27		
Ð 🛅	SNMP Configuration		System start time	0-Days 0-Hours 0-Minutes 27-Seconds		
	QOS Configuration		System Name	Switch	1.	
± 🚰	AAA Configuration		System Location			
	GMRP Configuration	nfiguration	System Contact			
	RMON Configuration			Refresh Apply Help		
	Log Management POE Power Control					

Pic 8 Switch the main page

3、System Configuration

Language switching: switch buttons in the upper right corner and easily switch between Chinese and English system interfaces.

Managed Switch	🧰 Link up 🏠 Link dn 🎒 Disable	1	1 2	<mark>0</mark> 3	1	1 5	1 6	1	1 8	1 9	10	1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	1 20	1 21	1 22	1 23	1 24	00 25	00 26		
																											中文	En	nglish

(1) Basic information page

Figure 9 shows the basic information configuration page where the user can configure the basic information for the switch.

System Description Displays a description of the system-related parameters.

The system descriptor identification number indicates the identity of the system in network management.

The system version number shows the version number of the current software used by the switch.

The number of network interfaces displays the current number of network interfaces in the switch.

System Startup Time Displays the time the switch was started to the present time. The system clock displays the current clock of the system. The user can modify the system's current clock and need to enter the year, month, day, hour, minute, and seconds parameters.

The system name displays the system name of the switch in the network. The user can modify the system name.

The system location displays the physical location of the switch in the network, and the user can modify the system location.

System contact display management of the current node contacts and contact information, the user can modify the system contact.

Managed Switch

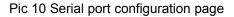
11	

Pic 9 Basic information page

(2) Serial port configuration page

Figure 10 shows the serial port configuration page, which shows the serial port baud rate and other information related to the serial port. When the host through the serial terminal (such as Windows HyperTerminal) to manage the switch, the serial port terminal COM port configuration must be consistent with the information on this page.

Managed Switch Link up Disable		13 14 15 16 17 18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch	Serial P	Port Configuration
Basic information Serial Information	Baud Rate	38400
Senar mormation User Management	Character Size	8
Safe Management	Parity Code	None
SNTP Configuration	Stop Bits	1
Current Configuration	Flow Control	None
 Configuration File File Upload System Reset Port Configuration 	Ref	fresh Help
🖲 🧰 MAC Binding		
🖽 🧰 MAC Filter		
VLAN Configuration		
SNMP Configuration		
ACL Configuration		
QOS Configuration		
IP Basic Configuration AAA Configuration		
AAA Configuration MSTP Configuration		
IGMP SNOOPING Configurat		



(3) Multi-user management configuration page

Figure 11 shows the Multi-user management configuration page, through this page users can modify the switch's anonymous user (admin) password. Telnet and Web use the same anonymous user password when multiple users are not enabled. Passwords are case sensitive and you can set up to 16 characters at most. If you want to change the password, the user needs to enter the new password twice, once the user clicks the application key, the new password is activated, If the switch does not enable multi-user, will display the login dialog box (shown in Figure 7), the user needs to re-login page, the user must enter a new anonymous user password login WEB page.

At the same time through this page users can configure multiple users, the switch default no multi-user, that is the default does not enable multi-user management functions, then login does not require multi-user user name and password authentication.For Telnet, when adding a user name, the multi-user management function is enabled, and when all the users are deleted, the multi-user management function is turned off again.For the Web, when a user name is added, if be the privileged user, the multi-user management function is enabled, when all the privileged users are deleted, the multi-user management function is closed again.When the multi-user management function is enabled, the anonymous user password will not take effect, login Telnet and Web need to multi-user name and password authentication.When the multi-user management function is closed, at this time if the anonymous user password is configured, login Telnet and Web need to anonymous user password verification.

						中文 Eng
Managed Switch	Î		Multi-user Manag	amont Config	uration	
System Configuration	E		Mulu-usci Mallay	ement conny	inauvii	
Basic Information	Item	User name	Old password	New password	Re-enter password	Privilege
Serial Information	New T					· · · · · · · · · · · · · · · · · · ·
User Management	1	admin	*****			Privilege
Safe Management	1	admin	Defeat		Usla	r nvilege
SNTP Configuration			Refresh Apply	Delete	Help	
Current Configuration						
Configuration File						
- E File Upload						
System Reset						
🗉 🗀 Port Configuration						
E 🗀 MAC Binding						
🗎 🧰 MAC Filter						
ULAN Configuration						
SNMP Configuration						
ACL Configuration	2000					
QOS Configuration						
🗉 🔲 IP Basic Configuration						
🗉 🗀 🛛 AAA Configuration						
MSTP Configuration	.*					
MSTP Configuration IGMP SNOOPING Configuration	··· -					

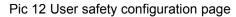
(4) User safety configuration page

Figure 12 shows the user safety configuration page, through the configuration of the page, the administrator can control the network management services TELNET, WEB and SNMP control, you can open or close these services, These services can be linked with the IP standard ACL group, the implementation of source IP address control, control the host access to these services.

Switch by default TELNET, WEB and SNMP services are open, and do not do ACL filtering, that is, all the hosts can access the switch of these three services. If the administrator for security, do not want to provide other users one or several of these services, can shut down one or more of these services. Administrators only want a specific host to access one or more of these services, can one or several of these services do ACL filtering. When a service needs to do ACL filtering, you need to open the service and select an IP standard ACL group (1-99). The ACL group must exist.

It should be noted that if the administrator on this page to control the WEB service (such as the closure of WEB services) may make users can no longer use the WEB page,At this time through other ways to log on the switch and control WEB services so that users can use the WEB page (such as open the WEB service).

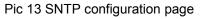
A				中文 Eng
Managed Switch	User Saf	ety Configuration (h	ittp,telnet,snmp)	
System Configuration				
Basic Information				st Exist, and range in 1-9
E Serial Information	Service Type	Management State	Acl Group	
User Management		Enable •	0	
Safe Management	http	Enable	0	
SNTP Configuration	snmp	Enable	0	
Current Configuration	telnet	Enable	0	
File Upload System Reset		Refresh Apply	Help	
MAC Filter				
MAC Filter VLAN Configuration				
MAC Filter VLAN Configuration SNMP Configuration				
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration				
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration				
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration				
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration				



(5) SNTP configuration page

Figure 13 shows the SNTP configuration page, where the administrator can configure and view the system clock through configuration of the page.

Managed Switch Link up Disable 1 2 3 4 5	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
	中文 English
System Configuration	SNTP Configuration
Basic Information	Server IP Address 1 211.115.194.21
Serial Information Serial Angement	Server IP Address 2 203.109.252.5
Safe Management	Server IP Address 3 192.43.244.18
SNTP Configuration	Time Interval (second) 1800
Current Configuration	Time Zone GMT+8 ▼
Configuration File File Upload	Enable Status Disable 🔻
System Reset	Last Update Time
Port Configuration	System Date Time 1970/01/01 01:18:43
🖲 🧰 MAC Binding	Refresh Apply
🖲 🧰 MAC Filter	
VLAN Configuration	
SNMP Configuration	
ACL Configuration QOS Configuration	
IP Basic Configuration	
AAA Configuration	
MSTP Configuration	
IGMP SNOOPING Configurat	



(6) Current configuration file page

Figure 14 shows the current configuration file page. Through this page, the user can view the current configuration of the switch. The save key stores the current configuration of the system into the configuration file. Because the storage operation needs to erase the FLASH chip, which takes a certain amount of time. When the user is configured on the page and want the configuration is not lost after restart the switch, you must click the Save button before exit the page in the current configuration page.

	中文 Eng
Managed Switch	Current Configuration File
Basic Information	Save Help
Serial Information	! username admin enc-password 鏊姊选諂胥二汨偓€勵� privilege
Safe Management	vlan database
SNTP Configuration	spanning-tree mst configuration
Configuration File	interface vlan1 ip address 192.168.0.1/24 ipv6 address fe80::228.8ff;fe13:113f/64
System Reset	
Port Configuration	interface ge1/1
MAC Binding MAC Filter	interface ge1/2
VLAN Configuration	interface ge1/3
SNMP Configuration	interface ge1/4
ACL Configuration QOS Configuration	interface ge1/5
IP Basic Configuration	interface ge1/6
AAA Configuration	! interface ge1/7
MSTP Configuration	

Pic 14 Current configuration file page

(7) Configuration file page

Figure 15 shows Configuration file page. This page allows the user to view the initial configuration of the system. The initial configuration is actually the configuration file in the FLASH, When there is no configuration file in FLASH, the system is started with the default configuration. Delete key to delete the configuration file in FLASH. Click the delete button, will pop up a dialog box, the dialog box prompts the user whether to determine the deletion of the configuration file, if determined by the dialog box on the OK button, otherwise press the Cancel button. The download key is used to download the configuration file to the PC. Click the download button, will pop up a dialog box, the user chooses to save the directory path and save the configuration file. The file name of the downloaded configuration file is switch.cfg.

Managed Switch Link up Link dn Disable	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
	中文 English
Managed Switch System Configuration Basic Information	Configuration File (Delete the Configuration File or Download the Configuration File to your local computer)
 Dask information Serial Information User Management Safe Management SNTP Configuration Current Configuration Configuration File File Upload System Reset Port Configuration MAC Binding MAC Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration ACL Configuration QOS Configuration IP Basic Configuration MAC Configuration MAC Configuration GMP SNOOPING Configurat 	Download Delete Help

Pic 15 Configuration file page

(8) File upload page

Figure 16 shows the file upload page, through which users can upload configuration files and image files to the switch. Click the Browse button to select the directory path of the uploaded profile or image file on the PC. Click the upload key to upload the configuration file or image file. The configuration file suffix must be * .cfg. The image file must be provided by the manufacturer and the file name suffix must be * .img. Do not click on other pages or reboot the switch before the transfer results page returns. Otherwise, the file transfer failure causes the system to crash.

Managed Switch 🗅 Link up Link dn Disable	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
	中文 English
 Managed Switch System Configuration Basic Information Serial Information User Management Safe Management SITP Configuration Current Configuration Configuration File File Upload System Reset Port Configuration MAC Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration ACL Configuration ACL Configuration AAC Configuration MSTP Configuration AAA Configuration IP Basic Configuration MSTP Configuration GMS PL Configuration IGMP SNOOPING Configurat 	File Upload File Upload (Upload the Configuration File or Firmware File from your local computer to the switch) Attention: The Configuration File must have an *.cfg extention The Firmware File must have an *.ing extention Do not interrupt the upload at anytime as this may corrupt the Firmware or Configuration and Potentially Crash the System 遂撰文件 未选择任何文件 Upload Help

Pic 16 File upload page

(9) System reset page

Figure 17 shows the system reset page, through this page users to restart the switch. When you click the restart button, a dialog box will pop up prompting you if the user is sure to restart the switch. If OK, press the OK key. Otherwise, press the Cancel key. The Web page will no longer be opened when it is restarted.

Managed Switch	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
	中文 English
Managed Switch System Configuration Basic Information Userial Information User Management Safe Management ShTP Configuration	Reset Help
Current Configuration Configuration File File Upload System Reset Configuration MAC Binding CAC Filter VLAN Configuration	
SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Configurat	

Pic 17 System reset page

4、Port configuration

(1) Port configuration/show page

Figure 18 shows the port configuration/show page. The user can enable or disable the port through this page, set the port speed, or view the basic information of all ports.

To set a specific port, select the appropriate port name in the drop-down menu for the user's port.Port status defaults to up, and you can select the down in the drop-down menu to disable the port.The user can also choose to set the speed drop-down menu to set the speed of the port, such as the mandatory semi-duplex for the port, 10M (half - 10), etc. Users can view other basic information for all ports from this page.

						中文
Managed Switch System Configuration Port Configuration Common Configuration	Port	▼ Ifindex: 0 Port T		uration/Show	00 Description:	
Port Statistics Flow Control	State: Down	•	Se	t Rate: Au	ito-Negotiate 🔻	
Broadcast Storm Port Ratelimit Protected Port	Port Name	Admin State	Refresh Ap	pply Help Bandwidth	VLAN Mode	Default VLAN
Protected Port Learn Limit	ge1/1	Up	Down	Unknown	Access	1
Port Trunking	ge1/2	Up	Down	Unknown	Access	1
	ge1/3	Up	Up	Full-1000 Mbps	Access	1
MAC Binding	ge1/4	Up	Down	Unknown	Access	1
MAC Bilter	ge1/5	Up	Down	Unknown	Access	1
VLAN Configuration	ge1/6	Up	Down	Unknown	Access	1
SNMP Configuration	ge1/7	Up	Down	Unknown	Access	1
ACL Configuration	ge1/8	Up	Down	Unknown	Access	1
QOS Configuration	ge1/9	Up	Down	Unknown	Access	1
IP Basic Configuration	ge1/10	Up	Down	Unknown	Access	1
AAA Configuration	ge1/11	Up	Down	Unknown	Access	1
MSTP Configuration	ge1/12	Up	Down	Unknown	Access	1
	1		Down	Unknown	Access	1
GMP SNOOPING Configurat	ge1/13	Up	Down	UNKNOWN	ALLESS	1

Pic 18 Port configuration/show page

(2) Port statistics information page

Figure 19 shows the port statistics information page. To view a particular port, select the appropriate port name in the drop-down menu for the user's port. Users can view the statistics of the port send and receive packet through this page.

				中文 Englis
Managed Switch System Configuration Port Configuration Common Configuration Port Statistics	Port: T	Port Statistic	s Information	
Flow Control	Port Statistics Information			
Broadcast Storm Port Ratelimit	Received Total Bytes (ifInOctets)	0	Received Unicast Packets Num (ifInUcastPkts)	0
Protected Port	Received Non-Unicast Packets Num (ifInNUcastPkts)	0	Received Discard Packets Num (ifInDiscards)	0
Learn Limit Port Trunking Mirror	Received Error Packets Num (ifInErrors)	0	Received Unkonwn Protocol Packets Num (iflnUnknownProtos)	0
MAC Binding	Send Total Bytes (ifOutOctets)	0	Send Unicast Packets Num (ifOutUcastPkts)	0
VLAN Configuration	Send Non-Unicast Packets Num (ifOutNUcastPkts)	0	Send Discard Packets Num (ifOutDiscards)	0
Configuration	Send Error Packets Num (ifOutErrors)	0		
COS Configuration		Refresh	Help	
AAA Configuration				

Pic 19 Port statistics information page

(3) Flow control page

Figure 20 shows the flow control page. The user can use this page to open or close the flow control for each port.

Through the drop-down on or off of the flow control to open or close a port flow control.At the same time through this page you can view the flow control status of all ports.

Managed Switch		A A A A A A A A A A	14 15 16 17 18 19 20 21 22 23 24 25 26
			中文 English
Managed Switch System Configuration Port Configuration Common Configuration Port Statistics	Port:	Flow	Control
Flow Control	Flow Control	Off 🔻	
 ─■ Broadcast Storm ─■ Port Ratelimit 		Refresh	Apply Help
Protected Port		Port Name	Flow Control State
📲 Learn Limit		ge1/1	Off
Port Trunking		ge1/2	Off
- Mirror		ge1/3	Off
MAC Binding		ge1/4	Off
🗎 🧰 MAC Filter		ge1/5	Off
VLAN Configuration		ge1/6	Off
Configuration		ge1/7	Off
ACL Configuration		ge1/8	Off
QOS Configuration		ge1/9	Off
IP Basic Configuration		ge1/10	Off
AAA Configuration		ge1/11	Off
MSTP Configuration		ge1/12	Off
IGMP SNOOPING Configurat		ge1/13	Off
•		ge1/14	Off

Pic 20 Flow control page

(4) Broadcast storm control page

Figure 21 shows the broadcast storm control page. This page is used to configure suppression the broadcast packets, multicast packets, and DLF packets on the port.

Select the port to be configured from the drop-down bar of the port.On and off to enable and disable broadcast suppression, multicast suppression, and DLF suppression of the port.The suppression rate term is used to configure the rate of suppression of the port, in the range of 1-1024000, in kbits.The suppression rates of broadcast suppression, multicast suppression, and DLF suppression on the same port are equal.At the same time, through this page, you can view all ports broadcast storm control configuration.

Managed Switch				12 13 14 15 16	0 0 0 0 17 18 19 20 2	21 22 23 24	00 00 25 26
*							中文 Engli
Managed Switch System Configuration Port Configuration Common Configuration Port Statistics	Port:	•	Broa	dcast Storm C	ontrol		
Flow Control Broadcast Storm	Broadcas Suppressi		Off •	Broadcast Ratelimit	0	(1- <mark>102400</mark> 0	kbps)
Port Ratelimit	Multicast	t Suppression	Off •	Multicast Ratelimit	0	(1-1024000	kbps)
Protected Port	DLF Supp	pression	Off 🔻	DLF Ratelimit	0	(1-1024000	kbps)
Learn Limit Port Trunking Mirror	Port Name	Broadcast Suppression	Broadcast Ratelimit (kbps)		Help Multicast Ratelimit (kbps)	DLF Suppression	DLF Ratelimit (kbps)
MAC Binding	ge1/1	Off	64	Off	64	Off	64
MAC Filter	ge1/2	Off	64	Off	64	Off	64
VLAN Configuration	ge1/3	Off	64	Off	64	Off	64
SNMP Configuration	ge1/4	Off	64	Off	64	Off	64
ACL Configuration	ge1/5	Off	64	Off	64	Off	64
QOS Configuration	ge1/6	Off	64	Off	64	Off	64
IP Basic Configuration	ge1/7	Off	64	Off	64	Off	64
AAA Configuration	ge1/8	Off	64	Off	64	Off	64
	ge1/9	Off	64	Off	64	Off	64
IGMP SNOOPING Configurat	ge1/10	Off	64	Off	64	Off	64
•	ge1/11	Off	64	Off	64	Off	64

Pic 21 Broadcast storm control page

(5) Port rate limit page

Figure 22 shows the port rate limit page. This page is used to configure the rate at which ports are sent and received.

Select the port to be configured from the drop-down bar of the port. The transmit packet bandwidth control is used to configure and display the bandwidth control of the sending data packet, in the range of 1-1024000, in kbits, after enter, press the application key to take effect. If the port is not configured with bandwidth control, it is displayed as off. The corresponding cancel key is used to cancel the bandwidth control of the sending data packet. The receive data packet bandwidth control is used to configure and display the bandwidth control of the received to take effect. If the port is not configured with bandwidth control, it is displayed as off. The corresponding take effect. If the port is not configured with bandwidth control, it is displayed as off. The corresponding cancel key is used to cancel the bandwidth control, it is displayed as off. The corresponding take effect. If the port is not configured with bandwidth control, it is displayed as off. The corresponding cancel key is used to cancel the bandwidth control, it is displayed as off. The

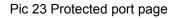
If the port is configured with bandwidth control, it will be displayed in the list.

Managed Switch 🗅 Link up Link dn	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
	中文 English
Managed Switch System Configuration Port Configuration Common Configuration	Port Rate Limit
Port Statistics Flow Control Broadcast Storm Port Ratelimit Protected Port Learn Limit Port Trunking Mirror	Send Packets Rate Control Off kbps (1-1024000) Cancel (Cancel Send Packets Rate Control) Receive Packets Rate Control Off kbps (1-1024000) Cancel (Cancel Receive Packets Rate Control) Refresh Apply Help Port Name Send Packets Rate Control (kbps) Receive Packets Rate Control (kbps)
MAC Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration	
GMP SNOOPING Configurat	
	Pic 22 Port rate limit page

(6) Protected port page

Figure 23 shows the protected port page $_{\circ}\,$ This page is used to configure the protection port.

Managed Switch 🗅 Link dn 🗅 🗅 Disable 1 2		4 15 16 17 18 19 20 21 22	Carlo Contra Con
			中文 En
Managed Switch	Protect	ted Port	
System Configuration			
Port Configuration	Port Name	Is Protected Port	
Common Configuration Ont Statistics	ge1/1	No	
Flow Control	ge1/2	No	
Broadcast Storm	ge1/3	No	
Port Ratelimit	ge1/4	No	
Protected Port	ge1/5	No	
- 🗈 Learn Limit	ge1/6	No	
Port Trunking	ge1/7	No	
Mirror	ge1/8	No	
MAC Binding	ge1/9	No	
MAC Filter	ge1/10	No	
VLAN Configuration SNMP Configuration			
SNMP Configuration ACL Configuration	ge1/11	No	
ACL Configuration	ge1/12	No	
P IP Basic Configuration	ge1/13	No	
AAA Configuration	ge1/14	No	
MSTP Configuration	ge1/15	No	
IGMP SNOOPING Configurat	ge1/16	No	
	ge1/17	No	



(7) Port learn limit page

Figure 24 shows the port learn limit page. This page is used to limit the number of MAC addresses that the port can learn. The range is 0-8191. The default value is 8191, which is also the maximum value, indicating that the port is not configured with learning restrictions. The list shows the learning limits for all ports.

Managed Switch 🗅 Link up Disable		2 13 14 15 16 17 18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch		Learn Limit
Port Configuration Common Configuration Port Statistics Flow Control	Port: MAC Address Num Able To Learn:0 (0-	8191)
Broadcast Storm Port Ratelimit	Refresh Appl	
Protected Port	Port Name	MAC Address Num Able To Learn
E Learn Limit	ge1/1	8191
Port Trunking	ge1/2	8191
-B Mirror	ge1/3	8191
MAC Binding	ge1/4	8191
🗎 🧰 MAC Filter	ge1/5	8191
VLAN Configuration	ge1/6	8191
SNMP Configuration	ge1/7	8191
ACL Configuration	ge1/8	8191
QOS Configuration	ge1/9	8191
IP Basic Configuration	ge1/10	8191
AAA Configuration	ge1/11	8191
MSTP Configuration	ge1/12	8191
IGMP SNOOPING Configurat	ge1/13	8191
	ge1/14	8191

Pic 24 Port learn limit page

(8) Port trunking configuration page

Figure 25 shows the port trunking configuration page. This page allows the user to configure port aggregation. The page consists of four parts: Trunk group ID selection, set the aggregation method, configurable port and group member port.

To create or modify port aggregation, the user needs to select a trunk group ID from ID 1 to 8. The user clicks the corresponding trunk group ID in the list box. The information of the trunk group is displayed in the group member port. To create a Trunk group, select the corresponding ID in the trunk group ID, click the button "Create Trunk Group", if successful, the bracket annotation is created in the ID display bar. If a Trunk group is not created, the bracket annotation is not created in the ID display bar. To set the port aggregation method, select an aggregation method in the drop-down box above the list and click the "Set up aggregation method" button. To add an aggregated port, select the aggregated port in the configurable port and click the "Member Port =>" button. To remove a port from an existing port, select the aggregated port in the group member port and click the "Non-member port <=" key. To delete the entire Trunk group, click the Delete Trunk Group key.

During the page configuration process, the aggregation method is configured to correspond to the selected trunk group ID. The existing Trunk group can configure the aggregation method. You can add or remove member ports on the existing Trunk. In the case of no member ports, To delete a Trunk group.

The switch provides six types of port aggregation: based on the source MAC address, based on the destination MAC address, based on the source and destination MAC addresses, based on the source IP address, based on the destination IP address, based on the source and destination IP addresses.

The switch supports up to eight groups of port aggregation. Each group of port aggregation supports up to eight ports. Each trunk group can configure its own port aggregation method.

Managed Switch			12 13 14 15 16 17	18 19 20 21 22 23 24	25 26 中文 Engli
 System Configuration Port Configuration Port Statistics Port Statistics Flow Control Broadcast Storm Port Ratelimit Protected Port Learn Limit Port Trunking Mirror MAC Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration MSTP Configuration GMST Configuration GMST Configuration GMST Configuration 	Trunk Group ID 1 0001 (Uncreated) 0002 (Uncreated) 0003 (Uncreated) 0004 (Uncreated) 0005 (Uncreated) 0006 (Uncreated) 0007 (Uncreated) 0008 (Uncreated)	Trunk Method	Able Config Port ge1/1 ge1/2 ge1/3 ge1/4 ge1/5 ge1/6 ge1/7 ge1/8 ge1/9 ge1/10 ge1/10 ge1/11 ge1/12 ge1/13 ge1/14 ge1/15 ge1/16 ge1/16 ge1/16 ge1/17 ge1/18 ge1/19 ge1/20 ge1/21 ge1/22 ge1/22 ge1/23 ge1/24	Create Trunk Group Member Port => Unmember Port <= Delete trunk Group	Member Por

Pic 25 Port trunking configuration page

(9) Port mirror configuration page

Figure 26 shows the Port mirror configuration page, This page allows the user to configure port mirroring.Port mirroring is through the mirror port to monitor the output of the mirror output port and the mirror input port input data packets.Mirror port can only select one, and the mirror output port and the mirror input port can choose multiple.The page consists of four parts: listening port, configurable port, listening direction and mirroring configuration information.Configure a mirroring port to configure a mirroring port from the listening port. Only one port can be selected from the listening port. Select the mirrored port from the configurable port, select the listening direction from the listening direction, and press the Apply key. The result will be The mirror configuration information is displayed.

When the RECEIVE in the listening direction is selected, it indicates that the received packet is received, TRANSMIT indicates the packet to be sent, BOTH indicates all the packets that are being sent and received, NOT_RECEIVE indicates that the received packet is canceled, NOT_TRANSMIT indicates that the packet is canceled Of the packet, NEITHER that cancel the monitor received and sent the packet, that is, to cancel the listening port.

				中文 Ei
Managed Switch		Port Mirror Co	onfiguration	
Port Configuration	Mirror Port	Able Config Mirrored Ports	Mirror Direction	Mirror Config Info
Common Configuration Port Statistics Flow Control Broadcast Storm Port Ratelimit Protected Port Learn Limit Port Trunking Mirror MAC Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration IP Basic Configuration IP Basic Configuration MSTP Configuration MSTP Configuration IGMP SNOOPING Configurat	(Mirror port name like: ge1/1)	ge1/1 ge1/2 ge1/3 ge1/4 ge1/6 ge1/6 ge1/6 ge1/7 ge1/8 ge1/9 ge1/10 ge1/11 ge1/12 ge1/12 ge1/14 ge1/15 ge1/16 ge1/16 ge1/16 ge1/16 ge1/19 ge1/20 ge1/21 ge1/22 ge1/23 ge1/23 ge1/24	τ	

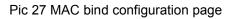
Pic 26 Port mirror configuration page

5、MAC Bind

(1) MAC bind configuration page

Figure 27 shows the MAC binding configuration page. This page is used to bind the port to the MAC address.

The MAC address on the page is used to enter the bound MAC address. The VLAN ID entry is used to enter the VLAN to which the MAC address belongs.



(2) MAC auto bind page

Figure 28 shows the MAC binding auto-conversion page. This page is used to implement the port automatically bind MAC address.

Displays the dynamic MAC address and the VLAN of the port in the two tier hardware forwarding table. You can select items from them and convert them into static bindings.

 Managed Switch System Configuration Port Configuration Port Configuration MAC Binding MAC Binding MAC Binding Configuration MAC Auto Binding (The list will display the MAC addresses and VLAN ID that the port has dynamically learned. You can select one or more items and then press apply to bind those mac addresses to that port.) MAC Auto Binding MAC Auto Binding (The list will display the MAC addresses and VLAN ID that the port has dynamically learned. You can select one or more items and then press apply to bind those mac addresses to that port.) MAC Auto Binding MAC Auto Binding MAC Auto Binding MAC Auto Binding (The list will display the MAC address VLAN Configuration ACL Configuration ACL Configuration ACL Configuration ACL Configuration IP Basic Configuration AAA Configuration MSTP Configuration MSTP Configuration 	Managed Switch 🗅 Link up Link dr Disable	
 System Configuration Port Configuration MAC Binding MAC Binding Configuration MAC Binding Configuration MAC Auto Binding MAC Binding MAC		中文 English
Image: Solution of the comparation Image: Solutio	 Managed Switch System Configuration Port Configuration MAC Binding MAC Binding MAC Auto Binding MAC Auto Binding MAC Filter VLAN Configuration SNMP Configuration ACL Configuration ACL configuration ACL configuration ACL configuration MSTP Configuration MSTP Configuration MSTP Configuration GMRP SNOOPING Configuration GMRP Configuration Cluster Management Log Management 	中文 English MAC Auto Bind Port: (The list will display the MAC addresses and VLAN ID that the port has dynamically learned. You can select one or more items and then press apply to bind those mac addresses to that port.) MAC Address VLAN ID

Pic 28 MAC auto bind page

6、MAC filter

(1) MAC filter configuration page

Figure 29 shows the MAC Filter Configuration page. This page is used to configure the port to filter the MAC address.

The MAC address on the page is used to enter the filtered MAC address. The VLAN ID entry is used to enter the VLAN to which the MAC address belongs.

Managed Switch Link up Disable		18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch System Configuration MAC Binding MAC Filter MAC Filter MAC Filter MAC Filter ACL Configuration ACL CONFICUNCTURCUNCUNCUNC	MAC Filter Configuration	中文 English

Pic 29 MAC filter configuration page

(2) MAC auto filter page

Figure 30 shows the MAC filter automatically convert the page. This page is used to implement the port automatically bind MAC address.

Display the dynamic MAC address and VLAN associated with the port in the Layer 2 hardware forwarding table. You can select an entry and convert it to a static filter configuration.

Managed Switch Disable	
	中文 English
Managed Switch System Configuration Port Configuration Mac Binding Mac Filter Mac Filter Configuration Mac Auto Filter VLAN Configuration SNMP Configuration ACL Configuration ACL Configuration QOS Configuration QOS Configuration AAC Configuration MSTP Configuration MSTP Configuration GMRP Configuration	
 EAPS Configuration RMON Configuration Cluster Management Log Management POE Power Control 	

Pic 30 MAC auto filter page

7、VLAN configuration

(1) VLAN information page

Figure 31 shows the current VLAN information page. The page is a read-only page that shows the current VLAN, VLAN status, and VLAN port members. Drop-down box will show all the current vlan, the list shows up to 30 vlan VID, state and port members. Select a vlan from the drop-down box, and the list will display information with a VID greater than 30 vlan for that vlan. But if all the vlan no more than 30, regardless of the drop-down box to choose which vlan, the list will show all the vlan information.

A port can not be a member of a VLAN, either a tagged member or a untagged member of a VLAN. The characters in the front of the page are as follows:

- t tagged The port is a tagged member of this VLAN
- u untagged The port is a untagged member of this VLAN

				中文 Engli
Managed Switch System Configuration Port Configuration	(Note: The dro	p-down box displays all		VLAN Information
MAC Binding MAC Filter VLAN Configuration	the list will sho	ow all VLANs greater the	an the selecte	ed VLAN but not more than 30 VLANs.) (t=tagged member, u=untagged member
VI AN Information	VID	VLAN Name	State	Port Member
VLAN Configuration VLAN Port Configuration SNMP Configuration	1	vlan1	active	[u]ge1/1 [u]ge1/2 [u]ge1/3 [u]ge1/4 [u]ge1/5 [u]ge1/6 [u]ge1/7 [u]ge1/8 [u]ge1/9 [u]ge1/10 [u]ge1/11 [u]ge1/12 [u]ge1/13 [u]ge1/14 [u]ge1/15 [u]ge1/16 [u]ge1/17 [u]ge1/18 [u]ge1/19 [u]ge1/20 [u]ge1/21 [u]ge1/22 [u]ge1/23 [u]ge1/24 [u]ge1/25 [u]ge1/26
ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Configurat GMRP Configuration EAPS Configuration RMON Configuration				Refresh Help
Cluster Management				

Pic31 VLAN information page

(2) Static VLAN conformation page

Figure 32 shows a static VLAN configuration page, which allows users to create VLAN. If you want to create a new VLAN, the user enters a VID in the active line, ranging from 2 to 4094. The VLAN name is generated by the system according to the VLAN ID and can not be modified. Click the Apply key, and the list box displays the VID and VLAN name of the VLAN created by the user. The switch creates VLAN 1 by default, and VLAN 1 can not be deleted.

If you want to delete a VLAN, the user needs to click the corresponding VLAN in the list box. The VLAN will be displayed in the active line, click the Delete button to delete the VLAN, and the VLAN information will be removed from the list box.

Managed Switch		I 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch System Configuration Port Configuration		c VLAN Configuration
MAC Binding	VID	VLAN Name
MAC Filter	1	vlan1
 VLAN Configuration VLAN Information VLAN Configuration VLAN Configuration VLAN Port Configuration ACL Configuration ACL Configuration IP Basic Configuration AAA Configuration AAA Configuration IGMP SNOOPING Configurat GMRP Configuration EAPS Configuration EAPS Configuration Cluster Management Log Management POE Power Control 	Van1 A	Apply Delete Help
< [*

Pic 32 Static VLAN conformation page

(3) VLAN port configuration page

Figure 33 shows the VLAN port configuration page, which is used to configure VLAN on the port and display the results of the configuration. The page consists of eight parts: port, mode, all current VLAN, ports owned by VLAN, "default VLAN =>", "tagged =", "untagged =>" and "non-member <=".

The port is the port that specifies the VLAN to be configured.

Mode The port specifies the port's VLAN mode as ACCESS mode. In this VLAN mode, the port defaults to untagged members of VLAN1. The default VLAN of the port is 1. The VLAN mode of the hybrid port is HYBRID mode. In this VLAN mode, the port is the untagged member of VLAN1, and the default VLAN of the port is 1. The VLAN mode of the trunk port is Trunk

mode. In this VLAN mode, the default port is the tagged member of VLAN1, and the default VLAN of the port is 1.

All the current VLAN are VLAN that can be created by the port. Users can select VLAN from the list.

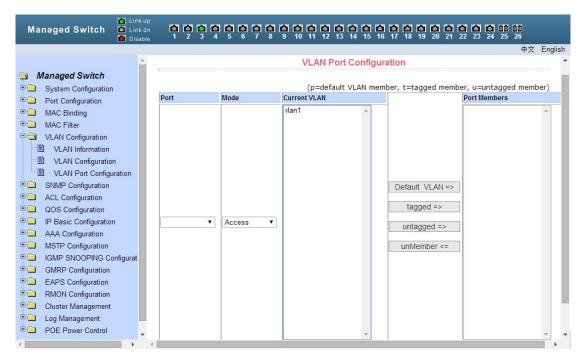
The port belongs to the VLAN to show the result of the VLAN port configuration. [P] indicates that the VLAN is the default VLAN of the port. [T] indicates that the port is a tagged member of the VLAN. [U] indicates that the port is a non-tagged member of the VLAN. When a VLAN is deleted, the user selects a VLAN from the list.

Press the default VLAN => Configure the default VLAN of the port and select a VLAN from all the current VLAN.

Press "tagged =>" to configure the port as a tagged member of the specified VLAN, and select one or more VLAN from all the current VLAN.

Press "untagged =>" to configure the port as an untagged member of the specified VLAN, and select one or more VLAN from all the current VLAN.

The key "Non-member <=" removes the port from the specified one or more VLAN, is no longer a member of these VLAN, and selects one or more VLAN from the VLAN to which the port belongs.



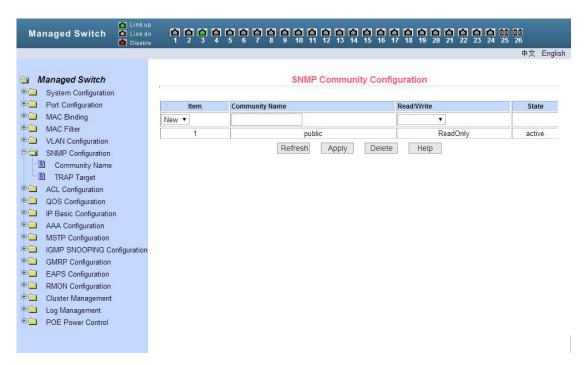
Pic 33 VLAN port configuration page

8、SNMP configuration

(1) SNMP community configuration page

Figure 34 shows the SNMP Community Configuration page, which allows the user to configure the name of the switch and the read and write permissions, and a total of eight entries can be configured.

By default, the switch has a public name of the common body, the common body is read-only permissions. Corresponding to this, there is only one active entry on the page, the common name is public, and the permissions are read-only. When the switch needs to be networked through SNMP, you need to configure a readable and writable community.



Pic 34 SNMP community configuration page

(2) TRAP target configuration page

Figure 35 shows the TRAP target configuration page, which allows the user to configure the IP address of the workstation that received the TRAP message and

Some parameters of the TRAP protocol package.

When configuring an entry, the name is used to enter the TRAP name. The IP address is used to enter the destination address. The SNMP version is used to select the version of the TRAP packet. If the setting is successful, the status in the entry will be displayed as active. If the configuration succeeds, the SNMP TRAP function will take effect. In the event of link up or link down, the switch will automatically send the TRAP packet to the destination address.

Managed Switch Link u Disab		9 10 11 12 13 14 15 16 17 18 19 20	O O O O O O O O O O	
			中	文 Engli
Managed Switch System Configuration	r	TRAP Target Configuration		
Port Configuration	Item Name	Transmit IP Address	SNMP Version	State
MAC Binding	New V			State
MAC Filter			·	
VLAN Configuration		Refresh Apply Delete Help		
SNMP Configuration				
Community Name				
TRAP Target				
ACL Configuration				
QOS Configuration				
🗉 🧰 IP Basic Configuration				
🗉 🧰 AAA Configuration				
MSTP Configuration				
IGMP SNOOPING Configuration				
GMRP Configuration				
EAPS Configuration				
RMON Configuration				
🗉 🧰 Cluster Management				
🗉 🧰 Log Management				
POE Power Control				

Pic 35 TRAP target configuration page

9、ACL configuration

(1) ACL standard IP configuration page

Figure 36 shows the ACL standard IP configuration page. You can use this page to create a rule base for ACL standard IP. The user can select an ACL group number (range between 1-99, or 1300-1999) to create one or more rules in the group. Fields that can be matched in a rule have only source IP addresses (with mask).

Managed Switch Disat	. 00000000	9 10 11 12 13 <u>14 15</u>	1 6 17 18 19 20 2 <u>1 22 2</u>	1 1 1 1 1 1 1 1 1 1
				中文 English
Managed Switch System Configuration Port Configuration MAC Binding	ACL Standard IP Group Num: 1	ACL Standard IP Co	onfiguration	
MAC Filter	Source IP Address	Source Wildca	ard	
VLAN Configuration SNMP Configuration ACL Configuration Standard IP Extended IP	(e.g.: If input Source IP Addres want to control 192.168.1.0, th be 0.0.0.255)	s 192.168.1.2, ACL een Wildcard should		
MAC IP	Group	lum Deny/Permit Source II	P Address Source Wildcard	Í.
ACL Information ACL Reference	Refrest	Select-all Add	d Delete Help	
QOS Configuration				
IP Basic Configuration AAA Configuration				
AAA Configuration MSTP Configuration				
IGMP SNOOPING Configurat				
GMRP Configuration				
EAPS Configuration				
RMON Configuration				

Pic 36 ACL standard IP configuration page

When a user configures a rule, the source IP address needs to be masked. The rule can match the set of IP addresses. The address mask is represented by an anti-code. If the rule matches the IP address range 192.168.0.0 to 192.168.0.255, the IP address can be 192.168.0.1 and its mask is 0.0.0.255.

When a user configures a rule, each rule must have a filtering mode: allow or deny.

When a user creates a rule in a rule group, the system automatically gives the rule a rule number. When a rule in a rule group is deleted, the other rules are not changed and the system automatically assigns a rule to a rule group Sort. If you want to delete the entire rule group, you can select all, and then click the Delete key.

(2) ACL extended IP configuration page

Figure 37 shows the ACL extension IP configuration page. You can use this page to create a rule base for ACL extension IP. The user can select an ACL group number (between 100-199, or 2000-2699) to create one or more rules in the group. (Such as ICMP, TCP, UDP, etc.), the source port, and the destination port (TCP and UDP only). The source IP address (masked), destination IP address (masked), protocol type (such as ICMP, TCP, UDP, etc.) Protocol valid), TCP control flag.

Managed Switch 🗅 Link up Link dn		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Managed Switch System Configuration Port Configuration MAC Binding MAC Filter	ACL Extended IP Grou	中文 English ACL Extended IP Configure
VLAN Configuration SNMP Configuration	Source IP Destination IP	Source Wildcard
ACL Configuration	Protocol Type	ip tcp v
ACL Information ACL Reference QOS Configuration	Source Port	ftp(tcp) ftp-data(tcp)
 IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Configurat GMRP Configuration EAPS Configuration RMON Configuration 	should be 0.0.0.25 relationship, If the	ddress 192.168.1.2, ACL want to control 192.168.1.0, then Wildcard 55; The selected Protocol Type and Source Port is in one-to-one Protocol is udp, select the udp port; If the Protocol Type is not tcp or port is insignificance.)

Pic 37 ACL extended IP configuration page

When a user configures a rule, the source IP address and destination IP address must be masked. The rule can match the set of IP addresses. The address mask is represented by an anti-code. If the rule matches the IP address range 192.168.0.0 to 192.168.0. 255, the IP address can be 192.168.0.1 and the mask is 0.0.0.255.

When a user configures a rule, each rule must have a filtering mode: allow or deny.

When a user creates a rule in a rule group, the system automatically gives the rule a rule number. When a rule in a rule group is deleted, the other rules are not changed and the system automatically assigns a rule to a rule group Sort. If you want to delete the entire rule group, you can select all, and then press the Delete key.

(3) ACL MAC IP configuration page

Figure 38 shows the ACL MAC IP configuration page. You can use this page to create a rule base for ACL MAC addresses. The user can select an ACL group number (in the range of 700-799) to create one or more rules in the group. Fields that can match the active MAC address (with address match bits), source IP address (with address match bit), destination IP address (with address match bit), and VLAN ID.

Managed Switch 🖬	Link up Link dn Disable			9 1 0	11 12	13 14 15	16 17	A A A 18 19 20	21 22 23	100 00 24 25 26	
										中:	文 English
Managed Switch System Configuration And Characteristics MAC Binding MAC Filter		ACL MAC IP Group N	Jum: 700 v		ACL	MAC IP Co	onfigure				
VLAN Configuration		Source MAC			s	ource MAC \	Wildcard				
SNMP Configuration		Source IP			s	ource IP Wi	ldcard				
ACL Configuration Standard IP		Destination IP				estination I	P Wildca	rd		-	
Standard IP		VI AN ID	0			(0-4094, 0 means all					
		VLANID	0		V	(LAN)					
MAC ARP		(e.g.: If input IP should be 0.0.0.2 format: HHHH.HH	55; MAC Addr	.68.1.2, / ess is the	ACL wa e same,	nt to control , MAC Addre	192.16 ss and M	8.1.0, ther AC Addres	wildcard s Wildcard		
■ ACL Reference ■ ■ QOS Configuration		Deny OPerm	iit								
IP Basic Configuration AAA Configuration		Group Num	Deny/Permit	Source MAC	Source MAC Wildcard	Protocol Type	Source IP	Source IP Wildcard	Destination IP	Destination IP Wildcard	VLAN ID
MSTP Configuration							_				
IGMP SNOOPING Confi	igurat		Refresh	Se	elect-all	Add	t	Delete	Help		
GMRP Configuration EAPS Configuration											
RMON Configuration											
	▼										



When a user configures a rule, the source MAC address, source IP address, and destination IP address need to match the address. The rule can match the MAC address and the IP address. For example, if the rule matches the IP address range 192.168.0.0 to 192.168.0. 255, the IP address can be 192.168.0.1 and its mask is 0.0.0.255.

When a user configures a rule, each rule must have a filtering mode: allow or deny.

When a user creates a rule in a rule group, the system automatically gives the rule a rule number. When a rule in a rule group is deleted, the other rules are not changed and the system automatically assigns a rule to a rule group Sort. If you want to delete the entire rule group, you can select all, and then press the Delete key.

When a user configures a rule, the VLAN ID must be in the range 0 to 4094, including 0 and 4094, where 0 represents all.

(4) ACL MAC ARP configuration page

Figure 39 shows the ACL MAC ARP configuration page. You can use this page to create a rule base for ACL MAC ARP. The user can select an ACL group number (in the range of 1100-1199) to create one or more rules in the group. Fields that can be matched in a rule have ARP operation type, send MAC address (with address match bit), send IP address (with address match bit).

Managed Switch 🗅 Linkup Disable			白白白白 13 14 15 16 17	▲ ▲ ▲ ▲ ▲ 18 19 20 21	22 23 24 2	10 00 25 26
						中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Filter	ACL MAC ARP Group Num:		AC ARP Configu	Jre		
VLAN Configuration	Sender MAC	Sei	nder MAC Wildcard	4		
SNMP Configuration	Sender IP		nder IP Wildcard			
Standard IP Extended IP MAC IP MAC ARP ACL Information	 Should be 0.0.0.255; M format: HHHH.HHHH.H Deny Permit Group Num 	ss 192.168.1.2, ACL wan IAC Address is the same, I HHH) Deny/Permit	AC Address and I	MAC Address W Sender MAC	fildcard	Sender IP
ACL Reference	Group Hum	Dony/r on int	Sender miles	Wildcard	Joindor II	Wildcard
QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Configurat GMRP Configuration EAPS Configuration RMON Configuration		Refresh Select-all	Add	Delete	Help	

Pic 39 ACL MAC ARP configuration page

When a user configures a rule, the MAC address and the IP address are sent with an address matching bit. The rule can match the set of MAC address and IP address. For example, if the rule matches the IP address range 192.168.0.0 to 192.168.0. 255, the IP address can be 192.168.0.1 and its mask is 0.0.0.255.

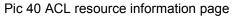
When a user configures a rule, each rule must have a filtering mode: allow or deny.

When a user creates a rule in a rule group, the system automatically gives the rule a rule number. When a rule in a rule group is deleted, the other rules are not changed and the system automatically assigns a rule to a rule group Sort. If you want to delete the entire rule group, you can select all, and then press the Delete key.

(5) ACL resource information page

Figure 40 shows the ACL resource information page, which displays all the rules and references configured in the current ACL.

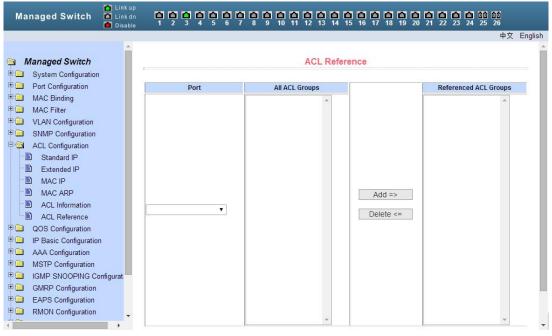
Managed Switch 🗅 Link up Link dn Disable	
	中文 English
Managed Switch System Configuration MAC Filter VLAN Configuration ACL Configuration ACL Configuration ACL Configuration ACL Configuration ACL Configuration ACL Reference ACL Information ACL Reference ACL Reference ACL Reference ACL Reference ACL Reference ACL Reference ACL Reference ACL Reference ACL Refere	ФŻ English
EAPS Configuration RMON Configuration	
· · · ·	



(6) ACL reference configuration page

Figure 41 shows the ACL reference configuration page. You can use this page to select an ACL group for a port and write the rules in this ACL group to the port hardware logic to enable the port to perform ACL filtering on the received packets according to these rules.

When selecting an ACL group on a port, you can select the IP standard, IP extension, MAC IP, and MAC ARP ACL. The selected ACL group must exist. Select the ACL rule group list and press the Add key. When deleting an ACL group, select an ACL group from the list of referenced rule groups and press the Delete key.



Pic 41 ACL reference configuration page

10、Qos configuration

(1) Qos apply page

Figure 42 shows the Qos application page, the user can use this page to configure the port QOS type, but also can modify the default user priority. The list is the real-time display port Qos type and user default priority.

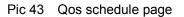
Managed Switch Link up Disable			19 20 21 22 23 24 25 26
			中文 Er
Managed Switch	7 	QOS Apply	
Port Configuration	Port: • QOS Type: NO C	20S VUser Priority: 0 V	Î.
MAC Binding	Port. Qu's Type. NO C	user Phoney. 0 •	
MAC Filter		Refresh Apply	
VLAN Configuration	r	11.7	
SNMP Configuration	Port Name	QOS Type	User Priority
ACL Configuration	ge1/1	NO QOS	0
QOS Configuration	ge1/2	NO QOS	0
QOS Apply	ge1/3	NO QOS	0
QOS Schedule	ge1/4	NO QOS	0
IP Basic Configuration	ge1/5	NO QOS	0
AAA Configuration	ge1/6	NO QOS	0
MSTP Configuration	ge1/7	NO QOS	0
GMP SNOOPING Configuration	ge1/8	NO QOS	0
GMRP Configuration	ge1/9	NO QOS	0
EAPS Configuration	ge1/10	NO QOS	0
RMON Configuration	ge1/11	NO QOS	0
Cluster Management	ge1/12	NO QOS	0
Log Management	ge1/13	NO QOS	0
POE Power Control	ge1/14	NO QOS	0
	ge1/15	NO QOS	0
	ge1/16	NO QOS	0

Pic 42 Qos apply page

(2) Qos schedule page

Figure 43 shows the Qos scheduling page, the user can use this page to configure the port QOS scheduling type, but also can modify the queue priority. The list is the real-time display port scheduling mode and the weight value of each queue.

Managed Switch 🗅 Link up Managed Switch					11 12 13	A A A 14 15 16	A A A 17 18 19	20 21 22	23 24 25	00 26	
										中文 Engl	lish
											*
Managed Switch	The second second				QOS S	Schedule					
System Configuration											
Port Configuration	Port:	,									
MAC Binding											
MAC Filter	QOS Sci	nedule Mode:	WRR •								
VLAN Configuration	Weight	of queue 0 (1~	127): 0		Weight of	queue 1 (1~1	27): 0		1		
SNMP Configuration		of queue 2 (1~				98 - 74 -			Ť		
ACL Configuration	_				Weight of queue 3 (1~127): 0				1		
QOS Configuration	Weight	of queue 4 (1~	127): 0		Weight of	Weight of queue 5 (1~127): 0					
QOS Apply QOS Schedule	Weight o	of queue 6 (1~	127): 0		Weight of queue 7 (1~127): 0						
QOS Schedule IP Basic Configuration											
AAA Configuration					Refresh	Apply					
AAA Configuration MSTP Configuration	Port	QOS	Weight of	Weight of	Weight of	Weight of	Weight of	Weight of	Weight of	Weight of	
IGMP SNOOPING Configuration	Name	Schedule Mode	queue 0	queue 1	queue 2	queue 3	queue 4	queue 5	queue 6	queue 7	
GMRP Configuration	ge1/1	WRR	1	2	4	8	16	32	64	127	
EAPS Configuration	ge1/2	WRR	1	2	4	8	16	32	64	127	
E C RMON Configuration	ge1/3	WRR	1	2	4	8	16	32	64	127	
🗄 🗀 Cluster Management	ge1/4	WRR	1	2	4	8	16	32	64	127	
🗉 🧰 Log Management	ge1/5	WRR	1	2	4	8	16	32	64	127	
POE Power Control	ge1/6	WRR	1	2	4	8	16	32	64	127	
	ge1/7	WRR	1	2	4	8	16	32	64	127	
	ge1/8	WRR	1	2	4	8	16	32	64	127	-



11、IP basic configuration

(1) VLAN interface configuration page

Figure 44 shows the VLAN interface configuration page. You can configure the VLAN interface, remove the VLAN interface, configure the IP address of the interface, delete the IP address of the interface, and view the interface information. Only when the VLAN already exists can it be set as an interface. Only the interface address can be configured on the configured interface.

Managed Switch Link up Link dn Disable			2 13 14 15 16 17 18 19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 26
					中文 English
Managed Switch System Configuration	1	IP Add	ress Configuration		
Port Configuration MAC Binding	Line Item	VLAN ID IP	Address / Subnet Prefix	MAC Address	
MAC Binding MAC Filter	New V	0			
VLAN Configuration	1	1	192.168.0.1/24	0028.0813.113F	
SNMP Configuration					
ACL Configuration	Refresh	Create VLAN Int	erface Delete VL/	AN Interface	
QOS Configuration	Create/I	Modify IP Address	Delete IP Address	Help	
□ 🔄 IP Basic Configuration					
IP Address Configuration ARP Configuration and Dis					
Host Static Router Configu					
AAA Configuration					
MSTP Configuration					
IGMP SNOOPING Configurat					
GMRP Configuration					
EAPS Configuration					
RMON Configuration Cluster Management					
Cluster Management Log Management					
POE Power Control					
•					

Pic 44 VLAN interface configuration page

The switch has a VLAN1 interface by default, and the interface can not be deleted. Only one interface can be configured for one VLAN.

(2) ARP configuration and display page

Figure 45 shows the ARP configuration and display page. This page displays all the information of the ARP table of the switch. You can use this page to configure static ARP entries, delete ARP entries, and modify dynamic ARP entries to static ARP entries.

When you configure a static ARP entry, you need to enter the IP address and MAC address. The MAC address must be a unicast MAC address, and then click the Add key.

When a user deletes an ARP entry, you can choose to delete an ARP entry from one IP address, delete an ARP entry from one network segment, delete all ARP entries, delete all dynamic ARP entries, and delete all static ARP entries. The To delete an IP ARP entry or delete an ARP entry from a network segment, enter the specified IP address or IP segment in the input box. And then click the Delete key.

When a dynamic ARP entry is modified to a static ARP entry, you can choose to change the dynamic ARP entry in a network segment to a static ARP entry. For a network segment, enter the specified network segment in the input box. And then click the Apply button.

Managed Switch Link up Disable		9 10 11 12	A A A A A A A A A A	9 20 21 22 23 24	00 00 25 26	
					中文	English
Managed Switch Managed Switch Configuration Configuration	Static ARP Item configuration:	ARP Config	gure And Display			
MAC Binding	IP Address		MAC Address			_
MAC Filter	IP AUDIESS		MAC Address			_
VLAN Configuration			Add			_
SNMP Configuration		<u></u>				_
ACL Configuration	Delete ARP Item:					_
QOS Configuration IP Basic Configuration	ARP Item 🔻	IP Address (IP	Network Segment)			_
IP Basic Configuration IP Address Configuration ARP Configuration and Dis Host Static Router Configu			Delete			
AAA Configuration	Change Dynamic ARP List Item	into Static ARP L	ist Item:			
MSTP Configuration	ARP List Item		•	IP Network Segme	nt	
IGMP SNOOPING Configurat GMRP Configuration EAPS Configuration			Арріу			
RMON Configuration	IF	Address	MAC Address	Туре		_
Cluster Management Log Management	19	2.168.0.10	485b.3960.34ec	dynamic		
Cog Management POE Power Control		Refres	sh Help			-

Pic 45 ARP configuration and display page

(3) Host static route configuration page

Figure 46 shows the host static routing configuration page, the user can add and delete the host static route of the switch. By default, no static route is configured on the switch. You can use this page to configure a default route, that is, the destination / subnet prefix is 0.0.0.0/0.

Managed Switch			2 13 14	6 6 6 6 6 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 00 25 26
						中文 English
Managed Switch	E	Host Statio	c Route	Configuration		
Port Configuration	Target Address/Subnet perfix	Next Hop				
Ta MAC Binding						
🗉 🧰 MAC Filter						
VLAN Configuration	ltem	Target Address/Sub	net perfix	Next Hop	Distance	State
SNMP Configuration	100000			Delete Help		
ACL Configuration		Reliesh	pply	Delete		
QOS Configuration						
P 🔄 IP Basic Configuration						
IP Address Configuration						
ARP Configuration and Dis						
Host Static Router Configu						
AAA Configuration MSTP Configuration						
IGMP SNOOPING Configurat GMRP Configuration						
EAPS Configuration						
RMON Configuration						
Cluster Management						
Log Management						
POE Power Control						
<						

Pic 46 host static route configuration page

12、AAA configuration

(1) Tacacs+configuration page

Figure 47 shows the Tacacs + configuration page. The user can configure information related to Tacacs +. The following information can be set: Enable Tacacs + function, configure the Tacacs + server IP address, authentication type, and shared secret key.

Before using the Tacacs + function, you must enable the Tacacs + function, which is configured by default.

Configure the IP address of the Tacacs + server, which must be set when using the Tacacs + feature.

Authentication type, providing PAP and CHAP authentication types. The default is PAP authentication.

Shared key, used to set the switch and Tacacs + server between the encrypted shared password, in the authentication authorization must set this field, and to the same as the Tacacs + server settings.

Managed Switch 🗅 Link up Managed Switch	1 2 3 4 5 6 7 8 9 10 11 12 13 1	A A A A A A A A A A A A A A A A A A A	
			中文 English
Managed Switch System Configuration	Tacacs+ Co	onfiguration	
Port Configuration	Tacacs+	disable 🔻	
MAC Binding	Tacacs+ Server IP	0.0.0.0	
MAC Filter VLAN Configuration	Authentication Type	pap 🔻	=)
VLAN Configuration SNMP Configuration	Shared Secret		1
ACL Configuration		pply Help	
QOS Configuration	incheon Ap	neip	
🖲 🔲 IP Basic Configuration			
AAA Configuration			
Tacacs+ Configuration Radius Configuration			
802.1x Configuration			
802.1x Port Configuration			
802.1x User Auth-Informati			
MSTP Configuration			
IGMP SNOOPING Configurat			
GMRP Configuration EAPS Configuration			
RMON Configuration			
Cluster Management			

Pic 47 Tacacs+configuration page.

(2) Radius configuration page

Figure 48 shows the Radius configuration page, the user can configure information related to Radius, can set the information include:

- Radius server IP address, in the authentication and billing must be set when this field.
- Optional Radius server IP address, which can be set if there is an alternate Radius server.
- Authentication UDP port, the default value is 1812, the user generally do not need to modify this field.
- Whether to start billing, the default is to start, when doing the authentication and billing to start billing.
- Billing UDP port, the default value is 1813.
- Shared key, used to set the switch and the Radius server encryption between the shared password, in the authentication and billing must be set this field, and to the same settings on the Radius server.
- Vendor-specific information, users generally do not need to modify this field.
- NAS port, NAS port type, NAS service type, these three values users generally do not need to modify.
- Whether to start or turn off the roaming function of Radius.

Managed Switch 🗅 Link up Managed Switch 🗅 Link dn	9 10 11 12 13 14	A 15 16 17 18 19	20 21 22 23 24 25 26
			中文 English
Managed Switch System Configuration	Radius Cor	nfiguration	
Port Configuration	Primary Server	0.0.0	
MAC Binding MAC Filter	Option Server	0.0.0.0	
WAC Filter VLAN Configuration	UDP Port	1812	
E SNMP Configuration	Accounting	Enable 🔻	
ACL Configuration	Accounting UDP Port	1813	
QOS Configuration	Shared Key		
IP Basic Configuration	Vendor		
AAA Configuration	NAS Port	50003	
Radius Configuration			
802.1x Configuration	NAS Port Type	15	
802.1x Port Configuration	NAS Service Type	2	
802.1x User Auth-Informati	Roaming	Disable 🔻	
MSTP Configuration	Refresh App	ply Help	
IGMP SNOOPING Configurat			
GMRP Configuration			
EAPS Configuration			
RMON Configuration			
🖹 🗀 Cluster Management			
• • • • • • • • • • • • • • • • • • •			

Pic 48 Radius configuration page

(3) 802.1x configuration page

Figure 49 shows the 802.1x configuration page. You can configure 802.1x-related information through this page, including:

- Whether to start the 802.1x protocol, be sure to start the 802.1x protocol when doing authentication and accounting.
- Whether the switch is a common authentication method or an extended authentication method.
- Whether to open the re-authentication function, the default is not open, when doing the authentication and billing according to the actual situation to decide. Turning on the reauthentication function will make the user more reliable when using authentication and billing, but will slightly increase the traffic to the network.
- Set the re-authentication interval, only in the case of re-authentication function is enabled, the default is 3600 seconds, when doing authentication and billing according to the actual situation to set the value, but the value should not be too small.
- Quiet Period timer, the user generally does not need to modify this field.
- Tx-Period timer, the user generally does not need to modify this field.
- Server timeout timer, users generally do not need to modify this field.
- supplicant timeout timer, the user generally do not need to modify this field.
- The number of requests, users generally do not need to modify this field.
- Show Reauth Max size.
- Client version, client version number.
- Check Client, whether to check the client's timing traffic package after authentication has passed.

Managed Switch Disable 1 2 3		A A A A A A A A A A	20 21 22 23 24 25 26
*			中文 English
Managed Switch System Configuration	802.1x Co	onfiguration	
Port Configuration	802.1x	Disable V	
MAC Binding MAC Filter	Reauthentication	Disable 🔻	
MAC Filter VLAN Configuration	Reauthentication Period	3600 (S	iec)
SNMP Configuration	Quiet Period	60 (S	iec)
ACL Configuration	Tx-Period	30 (S	iec)
QOS Configuration IP Basic Configuration	Server timeout	10 (S	iec)
AAA Configuration	supplicant timeout	30 (S	iec)
Tacacs+ Configuration	Max Request	3	
Radius Configuration 802.1x Configuration	Reauth Max	3	
802.1x Configuration 802.1x Port Configuration	Client Version	2.0	
802.1x User Auth-Informati	Check Client	Enable •	
MSTP Configuration	Refresh Ap	Dela	
IGMP SNOOPING Configurat GMRP Configuration			
EAPS Configuration			
RMON Configuration			
Cluster Management			

Pic 49 802.1x configuration page

(4) 802.1x port configuration page

Figure 50 shows the 802.1x port configuration page. You can configure 802.1x port mode and the maximum number of hosts that can be configured. You can also view the 802.1x configuration of each port.The 802.1x port mode includes four types: N / A status, Auto state, Force-authorized status, and Force-unauthorized status.当When A port needs to be done to 802.1 x authentication, to the state of the port is set to Auto, if don't do certification can access the network, the state of the port is set to N/A, the other two state are seldom used in practical application.

Managed Switch 🗅 Link up Link dn Disable		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19 20 21 22 23 24 25 <u>26</u>
			中文 Engli:
Managed Switch		802.1x Port Configuration	
Port Configuration	Port Num	Port Mode	Support Host Num
MAC Binding MAC Filter	T	· · · · · · · · · · · · · · · · · · ·	0
VLAN Configuration	ge1/1	N/A	256
SNMP Configuration	ge1/2	N/A	256
ACL Configuration	ge1/3	N/A	256
QOS Configuration	ge1/4	N/A	256
IP Basic Configuration	ge1/5	N/A	256
AAA Configuration	ge1/6	N/A	256
Tacacs+ Configuration	ge1/7	N/A	256
Radius Configuration	ge1/8	N/A	256
802.1x Configuration	ge1/9	N/A	256
802.1x Port Configuration	ge1/10	N/A	256
802.1x User Auth-Informati	ge1/11	N/A	256
MSTP Configuration	ge1/12	N/A	256
GMP SNOOPING Configurat	ge1/13	N/A	256
GMRP Configuration	ge1/14	N/A	256
EAPS Configuration	ge1/15	N/A	256
RMON Configuration	ge1/16	N/A	256
Cluster Management	ge1/17	N/A	256
· · · · · · · · · · · · · · · · · · ·	ge1/18	N/A	256
• •	4/40	8.17.A	050

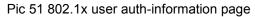
Pic 50 802.1x port configuration page.

When 802.1x authentication is enabled, the maximum number of hosts that can be accessed by the port is 256, and the user can modify this field to support up to 256.

(5) 802.1x user auth-information page

Figure 51 shows the 802.1x user auth-information page. You can view the status information of all users accessing a port through this page.

Managed Switch 🗅 Link u Disab	in 001				2 13 14 15 16	白白 17 18	A A A A A A A A A A	3 24 25 26
								中文 English
Managed Switch			802	.1x U	ser Auth-Info	rmatio	DN	
Port Configuration MAC Binding	Port:	T	Port Mode:	Accept	ed Host Num: 0			
MAC Binding MAC Filter								
VLAN Configuration	User name	MAC Address	Request state	Appli	cant state Maching	Back-E	nd state Maching	Retry Request state
SNMP Configuration	USCI IIIIIIC	MAC AUGICSS	Request state	state	Retry Request Num	state	Request Num	state
ACL Configuration				R	efresh Help			
QOS Configuration								
🗉 🧰 IP Basic Configuration								
AAA Configuration								
Tacacs+ Configuration								
Radius Configuration								
 802.1x Configuration 802.1x Port Configuration 								
802.1x Port Configuration								
MSTP Configuration								
IGMP SNOOPING Configurat								
GMRP Configuration								
EAPS Configuration								
RMON Configuration								
🗄 🗀 Cluster Management								



13、MSTP configuration

(1) MSTP global configuration page

Figure 52 shows the MSTP global configuration page. You can configure global MSTP parameters through this page.

Managed Switch Link up Link dn Disable		14 15 16 17 18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch System Configuration	MSTP Col	nfiguration
System Configuration Port Configuration	MSTP	Disable V
MAC Binding		32768
MAC Filter	Priority	Disable V
VLAN Configuration	Portfast Bpdu-Filter	
SNMP Configuration	Portfast Bpdu-Guard	Disable •
ACL Configuration	Forward-Time	15
QOS Configuration IP Basic Configuration	Hello-Time	2
IP Basic Configuration AAA Configuration	Errdisable-Timeout	Disable •
MSTP Configuration	Errdisable-Timeout Interval	300
MSTP Configuration	Max-Age	20
Port Configuration		
Port Information	Max-Hops	20
IGMP SNOOPING Configuration	Cisco-Interoperability	Disable 🔻
GMRP Configuration	Refresh	Apply
EAPS Configuration		
RMON Configuration		
🖲 🗀 Cluster Management		
🗈 🗀 Log Management		
POE Power Control		

Pic 52 MSTP global configuration page

(2) MSTP port configuration page

Figure 53 shows the MSTP port configuration page. You can use this page to configure port MSTP parameters.

Managed Switch 🗅 Link up Link dn		12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
		中文 English
Managed Switch ® System Configuration	MSTF	TP Port Configuration
Port Configuration	Port	•
MAC Binding	Portfast	Disable 🔻
MAC Filter VI AN Configuration	Portfast bpdu	du-filter Enable V
VLAN Configuration SNMP Configuration	Portfast bpdu	du-guard Enable •
ACL Configuration	Root Guard	Disable V
QOS Configuration	Link-Type	Shared •
IP Basic Configuration	Priority	0
AAA Configuration	Path-Cost	0
MSTP Configuration MSTP Configuration	Force-Version	
Port Configuration Port Information IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration RMON Configuration Cluster Management Log Management POE Power Control	Re	Refresh Apply

Pic 53 MSTP port configuration page

(3) MSTP port information page

Figure 54 shows the MSTP port information page. You can view the port MSTP status on this page.

Managed Switch 🗅 Link up Disable	P 1		<u>, , , ,</u>			A A A A A A A A A A	19 20	21 22 23	100 00 24 25 26
									中文 Er
Managed Switch									
🗀 System Configuration									
Port Configuration	-			MSTP	All Port I	nformation			
🗉 🧰 MAC Binding									
🗉 🧰 MAC Filter									
ULAN Configuration	Port	Postfast	Bpdu-Filter	Bpdu-Guard	Root Guard	Link-Type	Priority	Path-Cost	Force-Version
SNMP Configuration	ge1/1	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
C ACL Configuration	ge1/2	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
QOS Configuration	ge1/3	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
E IP Basic Configuration	ge1/4	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Configuration	ge1/5	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Configuration	ge1/6	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
MSTP Configuration	ge1/7	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Configuration	ge1/8	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Information	ge1/9	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
IGMP SNOOPING Configuration	ge1/10	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
GMRP Configuration	ge1/11	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
EAPS Configuration	ge1/12	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
RMON Configuration	ge1/13	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
🗉 🧰 Cluster Management	ge1/14	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
🖳 Log Management	ge1/15	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
POE Power Control	ge1/16	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
	ge1/17	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP

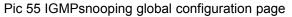
Pic 54 MSTP port information page

14、IGMPSNOOPING configuration

(1) IGMPsnooping global configuration page

Figure 55 shows the IGMPsnooping global configuration page. You can enable IGMP snooping on this page.

Managed Switch	
	中文 English
Managed Switch System Configuration ACC Ending AAC Binding AAC Filter AAC Filter ACL Configuration ACL Configuration ACL Configuration ACL Configuration AAC Configuration AAC Configuration AAA Configuration AAA Configuration AAA Configuration AAA Configuration GMP SNOOPING Configuration GMP SNOOPING Configuration GMRP Configuration GMRP Configuration CMRP CONFIGU	中文 English IGMP SNOOPING Disable 。 Refresh Apply
<	



(2) Multicast group information page

Figure 56 shows the multicast group information page. You can view the igmp snooping multicast program information from this page.

Link up Managed Switch 🗅 Link dr Disable		
	中文 English	
Managed Switch Configuration Configuration Configuration	Multicast Group Information	
MAC Binding	VLAN ID Multicast Address Member Ports	
MAC Filter	Refresh	
Configuration		
SNMP Configuration		
ACL Configuration		
QOS Configuration		
IP Basic Configuration		
AAA Configuration		
MSTP Configuration IGMP SNOOPING Configuration		
IGMP SNOOPING Configuration		
GMRP Configuration		
EAPS Configuration		
RMON Configuration		
🖲 🗀 Cluster Management		
🖲 🧀 Log Management		
POE Power Control		
<		

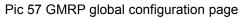


15、GMRP configuration

(1) GMRP global configuration page

Figure 57 shows the GMRP global configuration page. Users can enable GMRP through this page.

Managed Switch Disable	
	中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Filter VLAN Configuration ACL Configuration ACL Configuration ACL Configuration AAA Configuration AAA Configuration GMRP Configuration GMRP Configuration GMRP Configuration GMRP State Machine ARMON Configuration Cluster Management Cug Management DOE Power Control	¢ż English GMRP Global Configuration Global GMRP Disable ▼ Refresh Apply



(2) GMRP port configuration page

Figure 58 shows the GMRP port configuration page.Users can use this page to enable port GMRP, and can view the port information.

Managed Switch Link up Link dn Disable Disable Disable <thdisable< th=""> Disable D</thdisable<>										
					中文 English					
Managed Switch Managed Switch Post Configuration Port Configuration	ystem Configuration									
MAC Binding	Port:	Port: V GMRP Status: Disable V								
MAC Filter VLAN Configuration			Refresh	Apply						
SNMP Configuration	Port Name	GMRP Status	Join Timer(centiseconds)	Leave Timer(centiseconds)	LeaveAll Timer(centiseconds)					
ACL Configuration	ge1/1	Disable								
QOS Configuration	ge1/2	Disable								
🗉 🧰 IP Basic Configuration	ge1/3	Disable								
AAA Configuration	ge1/4	Disable	<u>1990</u>							
MSTP Configuration	ge1/5	Disable								
IGMP SNOOPING Configuration	ge1/6	Disable	Real N							
GMRP Configuration	ge1/7	Disable	5.55							
GMRP Global Configuration	ge1/8	Disable	<u>1990</u>							
GMRP Ports Configuration	ge1/9	Disable								
GMRP State Machine	ge1/10	Disable	81053							
EAPS Configuration	ge1/11	Disable	100 M							
RMON Configuration	ge1/12	Disable	1200							
🖲 🔲 Cluster Management	ge1/13	Disable								
🗉 🗀 Log Management	ge1/14	Disable	1000							
POE Power Control	ge1/15	Disable	1000							
	ge1/16	Disable		222						

Pic 58 GMRP port configuration page

(3) GMRP state machine page

Figure 59 is the GMRP state machine page.Users can view GMRP's state machine information from this page.

Managed Switch Link up Disable		ı ç ç ç i	A A A A A A A A A A	16 17 18 19 20 21 22	23 24 25 26
					中文 English
Managed Switch	174 march 194		GMRP State Mac	hine	
🗉 🧰 System Configuration					
Port Configuration					
MAC Binding	Port Name	VLAN ID	Multicast MAC Address	Applicant State	Registrar State
🗉 🧰 MAC Filter			Refresh		
ULAN Configuration			Reliesh		
SNMP Configuration					
ACL Configuration					
QOS Configuration					
🗉 🛄 IP Basic Configuration					
AAA Configuration					
🗉 🧰 MSTP Configuration					
IGMP SNOOPING Configuration					
🖻 🔁 GMRP Configuration					
GMRP Global Configuration					
GMRP Ports Configuration					
GMRP State Machine					
EAPS Configuration					
RMON Configuration					
🗉 🗀 Cluster Management					
🗉 🗀 Log Management					
POE Power Control					

Pic 59 GMRP state machine page

16、EAPS configuration

(1) EAPS configuration page

This page is used to create and configure EAPS information, and can also be used to delete and display EAPS information.

EAPS Ring ID The specific ring ID, in the range of 1-16, can be selected according to the drop-down box

Create two types, Not Created and Created , If you don't create it, you have to create the pattern Master and the Transit, The corresponding mode can be configured according to the specific needs

Main portEAPS Main port, such as: fe1/1、ge1/1Alternate portEAPS second port

Control vlan EAPS ring control vlan, the value of 2-4094

Protected vlan EAPS ring protection vlan

Hello time interval Hello message to send the time interval, the default is 1S

Fail time Detection of the fault time, the default is 3S

Data is forwarded across the ring In the case of multiple rings, this function is required when data needs to be forwarded across the ring. The default is not turned on

EXtreme interoperability Compatibility with radical network devices, turned on by default

Enabled state

state The last EAPS ring is enabled

Managed Switch 🗅 Link dr		11 12 13 14 15 16 17	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
			中文 English
Managed Switch System Configuration	r	EAPS Configuration	
Port Configuration	EAPS Ring ID	1 🔻	
MAC Binding	Create Status	Not Created	
MAC Filter VLAN Configuration	Mode	None 🔻	
SNMP Configuration	primary port	T	
ACL Configuration	secondary port	•	
QOS Configuration	Control VLAN	0	
IP Basic Configuration	Protected VLANs		Format: 2,4,6 or 3-10
AAA Configuration	Hello Time Interval	0	s
MSTP Configuration IGMP SNOOPING Configuration	Fail Time	0	s
GMRP Configuration GMRP Configuration		Disable V	5
EAPS Configuration	Data Span	Disable V	
EAPS Configuration	Extreme Interoperability		
EAPS Information	Enable Status	Disable V	
RMON Configuration	Refresh	Create Apply	Remove
Cluster Management			
Log Management			
POE Power Control			



(2) EAPS information page

Figure 61 shows the EAPS information page.Users can view EAPS configuration information from this page.

Managed Switch 🗅 Link u Disable	
	中文 English
Managed Switch	EAPS Information
System Configuration Port Configuration MAC Binding MAC Filter	Refresh
VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration	
IP Basic Configuration AAA Configuration MSTP Configuration	
IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration EAPS Configuration EAPS Information	
RMON Configuration Cluster Management Log Management POE Power Control	

Pic 61 EAPS information page

17、 RMON configuration

(1) RMON statistics group configuration page

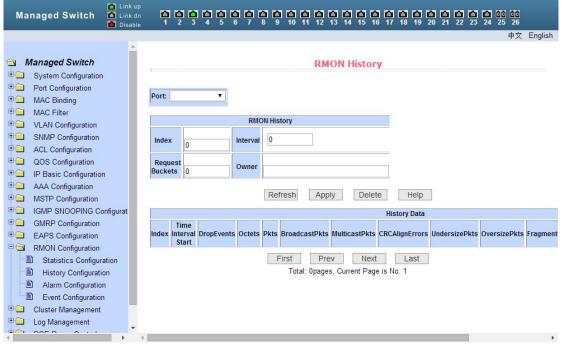
Figure 62 shows the RMON statistics group configuration page. The user can configure the RMON statistics group through this page. Select a port from the drop-down list to view / configure the RMON statistics group configuration for that port. If the index number is 0, the correct index number (in the range of 1 to 100) is filled and the owner is optional. You can configure the RMON statistics group for the port. The statistics table shows the port statistics from the successful configuration.

Managed Switch 🗅 Link up Managed Switch		14 15 16 17 18 19 20 21 2	2 23 24 25 26
			中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Filter	Port:	Statistics	
VLAN Configuration	RMON Statistics		
SNMP Configuration ACL Configuration	Index 0 Owner		
QOS Configuration IP Basic Configuration	Refresh Apply	Delete Help	
🗄 🧰 AAA Configuration	Statis	stics Data	
MSTP Configuration	etherStatsDropEvents	0 etherStatsOctets	0
IGMP SNOOPING Configurat	etherStatsPkts	0 etherStatsBroadcastPkts	0
GMRP Configuration	etherStatsMulticastPkts	0 etherStatsCRCAlignErrors	0
EAPS Configuration	etherStatsUndersizePkts	0 etherStatsOversizePkts	0
RMON Configuration	etherStatsFragments	0 etherStatsJabbers	0
Statistics Configuration	etherStatsCollisions	0 etherStatsPkts64Octets	0
History Configuration	etherStatsPkts65to127Octets	0 etherStatsPkts128to255Octets	0
Alarm Configuration	etherStatsPkts256to511Octets	0 etherStatsPkts512to1023Octets	0
Event Configuration	etherStatsPkts1024to1518Octets	0	
Cluster Management Log Management			

Pic 62 RMON statistics group configuration page

(2) RMON history group configuration page

Figure 63 shows the RMON history group configuration page.User can configure the RMON history group from this page.Select a port from the drop-down list to view / configure the RMON history group configuration for that port.If the index number is 0, the correct index number (in the range of 1 to 100), the interval, the request Buckets, and the owner is optional. You can configure the RMON history group for the port.Interval refers to the time interval for collecting data, in seconds, in the range of 1-3600; the request Buckets is the allocated storage size, indicating how many records are stored, the range is 1-100.The statistics table shows the historical data that has been acquired since the configuration was successful.



Pic 63 RMON history group configuration page

(3) RMON alarm group configuration page

Figure 64 shows the RMON alarm group configuration page, where users can create or modify the RMON alarm group.Select a configured alarm group from the drop-down list to view / configure its information and select New to create it.The index range is 1 to 60, the interval is 1 to 3600, in seconds, the monitoring object must fill in the MIB node, the contrast can choose absolute or delta,Also must fill in the upper and lower threshold, the event index, the owner is optional.The alarm value is read-only and shows the sampled value when the last alarm was issued. The event index refers to the index number of the RMON event group and must be configured in advance.

Managed Switch Link up Disable			0 0 0 0 0 0 0 9 10 11 12 13 14	15 16	白白白 17 18 19 3	20 21	1 1 1 1 1 1 1 1 1 1	00 00 4 25 26	
								中文	English
🔄 Managed Switch	1		RMON	Alarm					
E System Configuration									
Port Configuration						Alarm	Rising	Falling	Rising
MAC Binding	Sequence Index	Interval	Variable		Sample Type	Value	Threshold		
MAC Filter	New 🔻 0	0			absolute 🔻	0	0	0	0
VLAN Configuration								<u> </u>	
SNMP Configuration		R	efresh Apply	Delete	Help				
ACL Configuration QOS Configuration	Sequence Index Inte	erval Variable	Sample Alarm V	Jaluo	Rising	Fallin		g Event	Falling
	Sequence muex mile		Туре	T	hreshold	Thresh	old In	dex Ev	ent Index
IP Basic Configuration AAA Configuration									
MSTP Configuration									
IGMP SNOOPING Configurat									
GMRP Configuration									
EAPS Configuration									
RMON Configuration									
Statistics Configuration									
History Configuration									
Alarm Configuration									
Event Configuration									
Cluster Management									
Log Management									
									+

Pic 64 RMON alarm group configuration page

(4) RMON event group configuration page

Figure 65 shows the RMON event group configuration page, where users can create or modify RMON event groups.Select a configured event group from the drop-down list to view / configure its information and select New to create it.The index range is 1 to 60, and the description is a string. The action can select none (no operation), log (log), SNMP-trap or log-and-trap.), The shared name does not work in this device, the owner is optional.The last send time is read-only, showing the last time the event was sent.

Managed Switch	Link up Link dn Disable				A A A A A A A A A A	A 15 16 1	2 17 18	19 20 21	6 6 6 1	00 00 25 26
	Disable									中文 English
Managed Switch	Î				RMON	Event				
System Configuration Port Configuration MAC Binding		Sequence	Index	Description		Туре		Community	Last Time Sent	0
MAC Filter		New 🔻	0			none	•		1970/01/01	
VLAN Configuration SNMP Configuration				Refresh	Apply	Delete		Help		
C ACL Configuration		Sequence	Index	Description	Туре	Cor	mmuni	ty Li	ast Time Sent	0
IP Basic Configuration										
AAA Configuration										
GMP SNOOPING Conf	figurat									
GMRP Configuration	10									
EAPS Configuration										
🔁 RMON Configuration										
Statistics Configurati	ion									
History Configuration	t i									
Alarm Configuration										
Event Configuration										
🗄 🗀 Cluster Management										
🗉 🗀 Log Management	-									
	• «									1

Pic 65 RMON event group configuration page

18、Cluster configuration

(1) NDP configuration page

Figure 66 shows the NDP configuration page, where users can configure NDP.The information that can be set includes: port selection, port NDP function, global NDP function, NDP packet sending interval, and aging time of NDP packets on the receiving device.

Port selection, select the port as required, and enable the port NDP function. NDP must run normally, and the NDP function of the global and port must be enabled at the same time.

Configure the aging time of the NDP packets sent by the device on the receiving device. The effective time range is 1-4096 seconds. The default configuration is 180 seconds.

Configure the interval for sending NDP packets, the valid time range is 1-4096 seconds, the default is 60 seconds.

Managed Switch 🗅 Link up Link dr Disable			7 18 19 20 21	22 23 24 25 26
				中文 English
Managed Switch System Configuration Port Configuration	N	DP Configuratio	<u>n</u>	
MAC Binding	Port:	· · ·		
🗉 🧰 MAC Filter	Port Enable	disable 🔻		
VLAN Configuration	Global Enable	disable 🔻		
SNMP Configuration	Hello-time	60	(1-4096 sec)	
ACL Configuration QOS Configuration	Aging-time	180	(1-4096 sec)	
GOS Configuration IP Basic Configuration IP Basic Configuration MSTP Configuration IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration RMON Configuration NDP Configuration NDP Configuration IDP Configuration IDP Configuration Cluster Configuration Log Management POE Power Control	Refre	sh Apply F	ielp	

Pic 66 NDP configuration page

(2) NTDP configuration page

Figure 67 shows the NTDP configuration page, where users can configure NTDP. The information that can be set includes: Select port, enable port NTDP function, enable global NTDP function, topology collection range, time topology collection interval, first port forwarding packet delay time, and other port forwarding packets delay.

Port selection, you can select the port as required, and enable port NTDP function. NTDP to run normally, you must also enable the global and port NTDP function.

Configure the range of topology collection. The effective range is 1-6. In the default topology, the maximum hop count of the device is 3.

Configure the interval for collecting topology information. The effective range is 0-65535 minutes. The default configuration is 1 minute.

Configure the delay time for forwarding packets on the first port. The effective range is 1-1000 milliseconds. The default configuration is 200 milliseconds.

Configure the delay time for forwarding packets on the first port. The effective range is 1-100 milliseconds. The default configuration is 20 milliseconds.

Managed Switch Link up Link up Disable			18 19 20 21 22 23 24 25 26
			中文 English
Managed Switch System Configuration Port Configuration	N	TDP Configuration	n
MAC Binding	Port:	•	
MAC Filter	Port Enable	disable 🔻	
VLAN Configuration	Global Enable	disable 🔻	
SNMP Configuration	Hops	3	(1-6)
ACL Configuration	Interval-time	1	(0-65535 min)
QOS Configuration IP Basic Configuration	Hop-delay	200	(1-1000 milsec)
IP Basic Configuration AAA Configuration	Port-delay	20	(1-100 milsec)
MSTP Configuration	Port-uelay	20	
IGMP SNOOPING Configuration	Refre	esh Apply He	elp
GMRP Configuration			
EAPS Configuration			
RMON Configuration			
Cluster Management DP Configuration			
NDP Configuration NTDP Configuration			
Cluster Configuration			
Log Management			
POE Power Control			

Pic 67 NTDP configuration page

(3) Cluster configuration page

Figure 68 shows the cluster configuration page, the user can configure the cluster through this page and view the cluster member table. The information that can be set includes the functions of enabling the cluster, configuring the management VLAN, the address pool of the cluster, the interval for sending the handshake packets, the effective retention time of the device, the name of the cluster, the way of joining the cluster, and deleting the cluster.

Enable the cluster function and enable the cluster function to function normally. You must enable the cluster function first.

Configure a management VLAN with a valid range of 1-4094 and default to vlan1.

Configure the range of private IP addresses used by the member devices in the cluster. The effective range of the IP address is $0.0.0.0 \sim 255.255.255.255.255$. The effective range of the mask length is $0 \sim 32$.

The interval for sending the handshake packets is 1-255 seconds and the default is 10 seconds.

Configure the effective retention time of the device. The effective range is 1-255 seconds. The default configuration is 60 seconds.

To establish a cluster, you need to configure the cluster name, choose to join the cluster, the way to join both manual and automatic. After the cluster is set up, it can be automatically switched to manual, but manual can not be switched to automatic.Manual mode can change the cluster name.

After you create a cluster, you can view member devices and candidate devices in the cluster member table, you can add a member device or add a candidate device to a member device depending on the role.

Managed Switch Disable								
							中文 English	
Managed Switch System Configuration	lananananananan		Cluste	r Configuration				
Port Configuration		Cluster E	nable	disable 🔻				
MAC Binding MAC Filter		Managen	nent-vlan	1	(1-4094)			
VLAN Configuration		IP-pool		0.0.0/0	(A.B.C.D/M)			
SNMP Configuration		Handsha	ke time	10	(1-255 sec)			
ACL Configuration OOS Configuration		Handshake hold-time 60 (1-255 sec)						
Cluster Configuration AAC Configuration AAC Configuration AAC Configuration GMPP SNOOPING Configuration GMRP Configuration AAC Configuration AAC Configuration ADP Configuration NDP Configuration NDP Configuration Cluster Configuration Cluster Configuration Cluster Configuration	Serial	Cluster Na MAC	Apply	Apply Typ Delete er Member List Status	e T	Role		
Log Management POF Power Control			Defe	and there				
POE Power Control	(Press the B	utton "Refresh" to v	riew the latest				-	

Pic 68 cluster configuration page

19、ERPS configuration

(1) EAPS configuration page

Figure 69 shows the EAPS configuration page,Users can use this page to enable ERPS function, configure ERPS parameters, create and delete ERPS instance, ERPS ring and other applications.

ERPS instance Create and delete ERPS instances (<1-8>)

Node role Configure the role of the node in the ERPS ring, the internetwork node or the non-interconnected node

ERPS ring Create and delete ERPS rings (<1-32>)

Ring mode Configure ERPS ring mode, primary ring or subring

Node mode Configuration ERPS ring node mode, RPL owner node, RPL neighbor node or common ring node

Protocol VLAN configuration, delete ERPS ring protocol VLAN (<2-4094>)

Data VLAN Configuration ERPS Ring Data VLAN (<1-4094>)

Ring port Configuration, delete ERPS ring port, RPL port or common ring port

Restore Behavior Configure ERPS ring recovery behavior, recoverable or unrecoverable

hold-off TimeConfigure the ERPS loop hold-off time (<0-10000>), in ms, the default is 0Guard TimeConfigure the ERPS ring guard time (<10-2000>), in ms, defaults to 500

Wtr Time Configure the ERPS ring wtr time (<1-12>), in min, default to 5

Wtb TimeConfigure the ERPS ring wtb time (<1-10>), in seconds, the default is 5Protocol packet transmission timeConfigure the sending time of the ERPS ring

protocol packets (<1-10>), in seconds, the default is 5

Enable ERPS ring Turn the ERPS ring on or off

Force to switch ERPS ring port Forced, clear to switch ERPS ring port

Force manual ERPS ring port Force, remove manual ERPS ring port

Manual recovery Handle recovery of ERPS ring's unrecoverable behavior or manual recovery before WTR / WTB expires

Through the serial line adjustment

Pic 69 EAPS configuration page

(2) ERPS information page

Figure 70 shows the ERPS information page, where users can view the ERPS configuration information.

Through the serial line adjustment

Pic 70 EAPS information page

20、Log management

(1) Log information

Figure 71 shows the log information page, the user can view the log through this page. Select the priority from the drop-down list, you can view the log of that level, click Refresh to view the latest log.

Pic 71 Log information page

21、POE port configuration

(1) POE port configuration

Figure 72 shows the POE product configuration page. You can configure POE device total power (to be updated), POE single port power (to be updated), POE on or off; This page allows you to view information about the current POE device

POE port: Select the power supply port number (1-24)

POE commodity status: enable or disable

Managed Switch Link up Link dn Disable			<u></u>	10 11 12			2 (1) (2) (2) 19 20 21 22 23	▲ 00 00 24 25 26
								中文 English
Managed Switch System Configuration Port Configuration MAC Binding						Control		•
MAC Filter	POE Port: ge	en/1 • [[P	OE Power Status	Enable				
VLAN Configuration SNMP Configuration ACL Configuration OOS Configuration	Total Power C	Consume(m	W):0	Refre	esh A	Apply		
a doo ooningaraaton	POE Port	Status	Operation	Туре	Class	Power (mW)	Current (mA)	Voltage (V)
	ge1/1	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/2	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/3	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/4	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/5	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/6	Enable	Off	802.3at	N/A	N/A	N/A	N/A
RMON Configuration Cluster Management	ge1/7	Enable	Off	802.3at	N/A	N/A	N/A	N/A
Gluster Management	ge1/8	Enable	Off	802.3at	N/A	N/A	N/A	N/A
Log Management	ge1/9	Enable	Off	802.3at	N/A	N/A	N/A	N/A
POE Power Control	ge1/10	Enable	Off	802.3at	N/A	N/A	N/A	N/A
POE Power Control	ge1/11	Enable	Off	802.3at	N/A	N/A	N/A	N/A
POE Policy Configuration	ge1/12	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/13	Enable	Off	802.3at	N/A	N/A	N/A	N/A
	ge1/14	Enable	Off	802.3at	N/A	N/A	N/A	N/A 👻

Pic 72 POE product configuration page

(2) POE schedule configuration

Figure 73 shows the POE schedule configuration page. Through scheduling management, you can enable or disable POE power supply according to actual requirements. The control mode is hour + week mode.

Control port: Used to select the ports that need scheduled management (1-24) control function: enable or disable

Managed Switch				A A A A A A A A A A		白白白 18 19 20	6 6 6 6 21 22 23 24	00 00 25 26		
								中文 Er		
Managed Switch	POE Policy Configuration									
Port Configuration	Port		T							
MAC Binding	Policy Status		disable v							
 VLAN Configuration SNMP Configuration 		1	[Refresh	Apply					
ACL Configuration	Clock (🗐 All)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
QOS Configuration IP Basic Configuration	00 🗆									
in Each Consignation	01									
AAA Configuration MSTP Configuration IGMP SNOOPING Configuration GMRP Configuration	02 🗆									
	03 🗆									
	04 🗆									
EAPS Configuration	05 🗆									
RMON Configuration	06 🗆									
Cluster Management	07 🗆									
Log Management POF Power Control	08 🔲									
POE Power Control POE Power Control	09 🔲									
POE Power Control POE Policy Configuration	10 🗆				1					
	11 🗆									
	12 🗆									

Pic 73 POE schedule configuration page

(3) PD Query Configuration

Figure 74 is the PD query configuration page, and the PD online device status detection can be implemented through the PD query configuration.

POE port: to select a port to be connected to a PD device that needs to be querying

PD IP address: the IP address of the PD device

PD query time interval: time interval for querying PD devices (default 5 seconds)

The maximum number of unresponsive PD queries: the maximum number of times used to query PD devices without response (the default 3 times)

The maximum time required for PD startup: the maximum time required to query the startup of a PD device (the default 120 seconds)

And a second						中文 日					
System Configuration Port Configuration MAC Binding MAC Filter		PD Query Configuration									
MAC Filter	POE Port		•								
SNMP Configuration	PD IP Addre	SS									
 ACL Configuration QOS Configuration 	PD Query Int	erval	0	(2~30 Sec)							
IP Basic Configuration	PD Timeout	Number	0	(2~10)							
AAA Configuration	PD Boot Tim	e	0								
STP Configuration IGMP SNOOPING Configurat GMRP Configuration			Refre	sh Apply							
EAPS Configuration	POE Port	PD IP Address	PD Query Interval (Sec)	PD Timeout Number	PD Boot Time (Sec)	PD Reboot Times					
RMON Configuration	ge1/1	N/A	5	3	120	0					
	ge1/2	N/A	5	3	120	0					
	ge1/3	N/A	5	3	120	0					
Log Management POE Power Control	ge1/4	N/A	5	3	120	0					
POE Power Control POE Power Control	ge1/5	N/A	5	3	120	0					
	ge1/6	N/A	5	3	120	0					
	ge1/7	N/A	5	3	120	0					
PD Query Configuration	ge1/8	N/A	5	3	120	0					
-	ge1/9	N/A	5	3	120	0					
	4/40	ALCA.	-	2	400	0					

Figure 74 PD query configuration page