

OSW-1061 Industrial PoE Switch L2 Web management manual

Login Information

IP Address	192.168.0.1
User	admin
Password	admin

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WEB Page Operation Manual

This manual mainly describes the WEB page of the switch, users can go through the switch WEB pages are managed on switches. This manual is only a brief introduction to the operation of each WEB page, each switch

Please refer to the user manual for the function introduction. This manual mainly includes the following contents:

- 1. Overview of WEB pages
- 2. Introduction to the WEB page

1. WEB Page Overview

1.1 WEB Access Features

This switch provides the user with a web access function. The user can access the switch through the web browser and manage and configure the switch. The main features of WEB access are:

- Easy to access: users can easily access the switch from anywhere in the network.
- The user can access the WEB page of the switch by using the familiar Netscape Communicator and Microsoft Internet Explorer. The WEB page is presented to the user in a graphical and tabular form.
- The switch provides a rich web page that allows users to configure and manage most of the capabilities of the switch through these web pages.
- The classification and integration of the function of the WEB page is convenient for users to find relevant pages for configuration and management.

1.2 System Requirements for WEB Browsing

The system requirements for Web browsing are shown in Table 1.

Table	e 1:

Hardware and software	System requirements
CPU	Pentium 586 above
Memory	128MB above
Resolution	800x600 above
Color	Color 256 above
Browser	IE4.0 above or Netscape4.01 above
Operating system	Microsofte ,Windows95e,Windows98e,WindowsNTe, Windows2000e,WindowsXPe,WindowsMEe, WindowsVistae, Linux,Unix operating systems .

Note:

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1.3 Login to the WEB Browsing Session

The user needs to confirm before starting the Web browsing session:

- The switch has an IP configuration for 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.
- The server has connected a host with a web browser to the network and the host is able to ping the switch.
- After the above two tasks are completed, the user enters the address of the switch in the address bar of the browser and enters the switch Web login page according to the carriage return, as shown in Figure 1. When the multi-user management is not enabled, the user needs to perform the password verification of the anonymous user (admin) when the user logs in the Web. Only the correct password is input to access the Web. The anonymous user password is null.

If multi-user management is enabled and privilege user is configured, anonymous user password will not take effect. User access to Web does not do anonymous user password authentication, but multi-user managed user name and password authentication.

Windows Security Center	×
iexplore	
The server 192.168.0.1 will ask yo	u for a username and password
The server reported that it was co	oming from Networks.
Warning: Your username and p	oassword will be sent using
basic authentication on an ins	ecure connection.
admin	
•••••	
Kaan my cradantials in m	ind
	inu

Figure 1. The login page of the web browsing session

1.4 WEB Page Basic Composition

As shown in Fig. 2, WEB page is mainly composed of three parts:title page, navigation tree page and main page.

			Þ文 English
Managed Switch System Configuration		System Configuration	
Port Configuration	System Description	Switch 3.1.0	
MAC Binding	System Object ID	1361.4.1.12284.1	
VI AN Configuration	Num Network Interfaces	Witch 3.1.0	
SNMP Configuration	Serial Number	TR755E0210004	
* ACL Configuration	MAC Address	00 CD.88.60.00.01	
QOS Configuration	IP Address	192.168.0.1	
IP Basic Configuration	System Start Time	9-Days 0-Hours 10-Minutes 0-Seconds	
* 🔁 AAA Configuration	System Date Time	1970/01/01 00:10:08 (Format: Year/Month/Day Hour:Minute: Second)	
MSTP Configuration IGMP SNOOPING Configuration GMRP Configuration	System Name	Switch	
EAPS Configuration RMON Configuration	System Location	C C	
Cluster Management Log Management	System Contact	C C	
		Defeast Analy Main	-

Figure 2. Basic composition of the web page of the switch

Title page: Used to display logo and real-time port status as shown below;

The green light indicates that the port is connected;

The grey light indicates that the port is not connected;

The red light indicates that the port is closed (see figure 17 for specific Settings).

Navigation tree page WEB page node, the user can open the tree folder, from which to select the page to open.

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

1.5 Navigation Tree Structure

Figure 3 shows the organizational structure of the navigation tree. The navigation tree is located at the lower left of each page, and the node of the WEB page is displayed in a tree mode, and the user can easily find the WEB page to be managed. It is divided into different groups according to the different functions of the web pages, and one or more pages are included in each group. The web name in most navigation trees is the abbreviation of the web page title at the top of the corresponding web page.

												0	6	0 0								
		2	14	÷.	5	10	12	45	36	10	20	22	24	25	27		20					中文 Englis
Managed Switch System Configuration												Syst	em Cor	ifigural	tion							
Port Configuration	System Description		S.	vitch 3.1	.0																	
MAC Binding	System Object ID		1.	3.6.1.4.1	.12284.1																	
E MAC Filter	System Version		54	vitch 3.1	.0																 	
T SNMP Configuration	Num Network Interfaces		- 10	2766601	10004														 	 		
T ACI Configuration	MAC Address		00	CD 88	60:00:01														 	 		
QOS Configuration	IP Address		19	2.168.0	1														 	 		
* 😑 IP Basic Configuration	System Start Time		0-	0-Days 0-Hours 10-Minutes 0-Seconds																		
E 🔄 AAA Configuration	System Date Time		1	1970/01/01 00:10:08 (Formst: Yesr/Month/Day Hour:Minute: Second)																		
Image: MSTP Configuration	System Name			ritch										~								
IGMP SNOOPING Configuration														0								
GMRP Configuration							_							~				 	 	 	 	
EAPS Configuration	System Location													^								
RMON Configuration																						
Cluster Management	System Contact													~								
Cog Management														~								
											F	Refresh	App	ły	Help	5						

Figure 3. Organization structure page of the switch navigation tree

1.6 Page Button Introduction

There are some general buttons on the page, which generally work the same way, as described in Table 2.

Table 2:

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

1.7 Error Message

If the WEB server of the switch has an error processing user request, the corresponding error message is displayed in a dialog box. For example, figure 4 shows an error message dialog box.



Figure 4 Error message page

1.8 Entry Field

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

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

If you want to edit the existing line, select the appropriate line number from the drop-down menu in the entry field, edit the line as needed, and then press the Apply key to see that the

corresponding changes are shown in the table.

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

			0		6	0	1 0 0	0	0				20 10 11	88	1 0	<u>00</u>		中文 English
Managed Switch System Configuration										SNN	IP Cor	nmunity	(Confi	gurat	tion	·		
Port Configuration	Item	Co	mmunit	y Name											Read/	1/Write	State	
MAC Binding	New 🗸															×		
MAC Filter	1							public								Read Only	Active	
VLAN Configuration SNMP Configuration Community Name TRAP Target										Refresh	A	iply	Delete		Help	ip		

Figure 5. Entry domain page

1.9 State Field

Some pages have a status field in the most right column of the table, as shown in Figure 6, which displays the row status. The status field is read-only because the change in all row states is done internally. Once all of the domain information in a row takes effect, the line state automatically becomes active.

				中文 English
Managed Switch B System Configuration			SNMP Community Configuration	
Port Configuration	Item	Community Name	Read/Write	State
MAC Binding	New 🗸		~	
* 🔁 MAC Filter	1	public	Read Only	Active
VLAN Configuration SNMP Configuration Community Name TRAP Target ACL Configuration			Refresh Appy Delete Hep	

Figure 6. Status Field Page

2. WEB Page Introduction

The WEB page of the switch is organized into groups, each group including one or more WEB pages. Each page is described one by one.

2.1 Login Dialog Box

Figure 7 shows the login dialog box that 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 click OK to log in to the web server of the switch. The password is case-sensitive, the anonymous user password can be set up to 16 characters, and the multi-user name and password are up to 16 characters. The default user name for the switch is the anonymous user password is the anonymous user password is the anonymous user password. The anonymous user password is the default.

r a username and passwor ng from Networks.
or a username and passwor ng from Networks.
ng from Networks.
word will be sent using
ire connection
ine connection.
10 III III III III III III III III III I
Cancel

Figure 7. The login page of the web browsing session

2.2 Main Page

The page is displayed after the user logs in to the page.

						0						6		20 20	offeb
Managed Switch System Configuration Port Configuration Mode Disord Mode Piter VLA Configuration SNMP Configuration ALC Configuration OS Configuration	System Description System Object (U System Version Num Network Interfaces Serial Number MAC Address (P Address	Switch 3. 1.3.6.1.4 Switch 3. 28 TR755EC 00.CD.88 192.168.	1.0 1.12284.1 1.0 210004 :60.00.01	1						Syste	m Conf	igurati	ion	₩¥, 6	
IP Basic Configuration AAA Configuration	System Start Time System Date Time	 0-Days 0 1970/01/	Hours 10	-Minutes :08	0-Secor	nds mat: Yea	r/Month/I	Day Hour	:Minute:	Second)					7
MSTP Configuration IGMP SNOOPING Configuration GMRP Configuration	System Name	Switch										< >			
EAPS Configuration RMON Configuration Cluster Management	System Location											< >			
B Log Management	System Contact								R	efresh	Apply	$\hat{}$	Help		

Figure 8. Switch main page

2.3 System Configuration

2.3.1 Basic information page

Figure 9 is the basic information configuration page through which users can configure the basic information of the switch.

The system description shows the description of the relevant parameters of the system.

The system description symbol shows the identity of the system in network management.

The system version number shows the version number of the software currently in use by the switch.

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

The system boot time shows the time the switch has started up to the present time. The system clock shows the current clock of the system, and the user can modify the current clock of the system, and the year, month, day, hour, minute, and second parameters are required.

The system name displays the system name of the switch in the network, and 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.

The system contact displays the contact and contact information of the current node, and the user can modify the system contact.

									0		0		Ó				
										-							中文 English
Managed Switch System Configuration											Syst	em Cor	figura	ation			
Basic Information	System Description	S	witch 3.1	.0													
Serial Information	System Object ID	1	.3.6.1.4.1	.12284.	1												
User Management	System Version		witch 3.1	.0													
Safe Management	Num Network Interfaces	 2	8														
SNTP Configuration	Serial Number	 T	R755E0	10004						_	_			_	_		
Save Current Configuration	MAC Address	 0	0.CD.88	50.00.0													
Configuration File	IP Address	 1	92.168.0	1		30.0++											
File Upload	System Start Time	 -	-Days 0-	10018 21)-ininutes	30-580	onds		-								
System Repoot	System Date Time	1	970/01/0	1 00:20	1:46	(For	mat: Ye	ar/Month	Day Hou	r:Minute	Second)			_			
Port Configuration	System Name	S	witch										~				
BO MAC Binding													~				
E VI AN Configuration	System Location	 											-	1			
T SNMP Configuration													0				
T ACL Configuration													~				
COS Configuration	System Contact												~				
* IP Basic Configuration													V				
B AAA Configuration										15					1	1	
MSTP Configuration											venesn	Арр	iy	ne	aμ		

Figure 9. Basic Information Page

2.3.2 Serial port information page

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

		中文 English
Managed Switch System Configuration Basic Information Scrial Information User Management	Serial Port Configuration See State	
Sale Management SNTP Configuration Save Current Configuration Configuration File	Flow Costrol Refresh Help	

Figure 10. Serial port information page

2.3.3 User management page

Figure 11 is a user management page through which users can modify the anonymous user (admin) password for the switch, and both Telnet and Web use the same anonymous user password when multiple users are not enabled. The password is case-sensitive and can be set to up to 16 characters. If you want to modify the password, the user needs to enter two new passwords, and once the user clicks the application key, the new password is activated, and if the switch does not enable the multi-user, the login dialog box is displayed (as shown in Figure 7), and the user is required to log in to the page again. The user must enter a new anonymous user password to log in to the WEB page.

At the same time, users can configure multiple users through this page. The switch defaults to no multi-user, that is, the multi-user management function is not enabled by default, and the user name and password verification of the multi-user are not required at this time. For Telnet, the multi-user management function is enabled when a user name is added, and the multi-user management function is turned off when all users are deleted. For Web, when a user name is added, the multi-user management function is enabled if it is a privileged user, and the multi-user management function is turned off when all of the privileged users are deleted.

Anonymous when multi-user management is enabled User passwords will not take effect, login to Telnet and Web requires multi-user user name and password authentication. When the multi-user management function is turned off, if the anonymous user password is configured, login to Telnet and Web requires anonymous user password authentication.

					0	0		0											
System C	Switch Configuration								 	Mul	ti-us	er Mai	nagem	ent Co	onfigu	uration			
Basic	Information	Item	User name				Old pa	ssword				N	ew passw	ord			Re-enter passwo	đ	Privilege
Serial	Information	New 🗸																	×
User N	fanagement	1	-i	ac	nimt				 			i							Privilege
Safe N SNTP	fanagement Configuration Current Configuration									B	Refresh	Ap	ply	Delete		Help			

Figure 11. User management page

2.3.4 Security management page

Figure 12 is a security management configuration page through which the administrator can control the network management service TELNET, WEB, and SNMP, can open (enable) or disable the services, and can connect these services with the ACL group of the IP standard to implement the source IP address control, Control the host's access to these services.

By default, the TELNET, WEB, and SNMP services are open and no ACL filtering, that is, all hosts can access the three services of the switch. If an administrator does not want to provide one or more of these services to other users for security, one or more of these services may be shut down. If an administrator only wants a particular host to access one or more of these services, one or more of these services can be ACL filtered. When a service is to be filtered by an ACL, this service needs to be opened and an IP standard ACL group (1- 99) The ACL group must exist at this time.

It is to be noted that if the administrator controls the WEB service on this page (such as closing the WEB service), the user can not use the WEB page again, at this time, the switch can be logged in by other means and the WEB service can be controlled to enable the user to use the WEB page (such as opening the WEB service).

	<u>0</u>	0	0	0	0	1	0	1		0	00	00					中文 English
Managed Switch System Configuration Basic Information						Use	r Safel	y Con	figuratio	n (http	,teine	t,snmp)				(Acl Group Must	Exist, and range in 1-99)
Serial Information			Service Ty	pe				м	anagemen	t State				Acl Group			
User Management				~					Enable	~			0				
Safe Management			http						Enable)			i	0			
SNTP Configuration			snmp						Enable)			j	0	j		
Save Current Configuration			telnet						Enable	,				0			
Configuration File							R	efresh	Apply		Help						

Figure 12. Security management page

2.3.5 SNTP configuration page

Figure 13 is the SNTP configuration page, through which the administrator can configure and view the system clock.

	0 0						6 6	0					0 0			
and the second	1	4	- °	8	10	12	16	16	16	26	- 22	24	20	27	20	中文 English
Managed Switch Configuration											SNT	P Confi	iguratio	n		
Basic Information									[Server	IP Addre	ss 1	211. 115. 1	94.21		
Serial Information									1	Server	IP Addre	ss 2	203.109.2	52.5		
Safe Management									Ī	Server	IP Addre	ss 3	192.43.24	4.18		
SNTP Configuration									Ĩ	Time Ir	terval (s	econd)	1800			
Save Current Configuration									Ì	Time Z	one	1	-8.00		T	
Configuration File									1	Enable	Status	1	Dirable 🗸	•	<u> </u>	
File Upload									ī	Last U	date Tin	*			-	
System Repoot									ī	System	Date Ti	ne 1	970/01/01	00:22:	47	
* MAC Binding											Refr	sh	Apply			
* MAC Filter																

Figure 13. SNTP configuration page

2.3.6 Current configuration page

Figure 14 is the current configuration page. This page allows users to view the current

configuration of the switch. The memory key stores the current configuration of the system in a configuration file. Because the storage operation needs to erase the FLASH chip, this will take a certain amount of time. When the user has configured the page and wants these configurations not to be lost after restarting the switch, the memory key must be clicked in the current configuration page in front of the exit page.

	ģ		0	0	0	6	0	0	0	4	0	0	0	go	00	, 中文 English
Managed Switch Managed Switch Managed Switch Status Configuration Status Configuration Status Configuration Status Configuration Status Configuration Status Configuration Mathematical Status Configuration Mathe	Username admin enc.password Username admin enc.password samoto administration spanne adminintence spanne administration spanne administration spa	privi	ilege							Save	San	ent Cc	Help	ratior	1	

Figure 14. Current configuration page

2.3.7 Profile page

Figure 15 is the profile page. This page allows users to view the initial configuration of the system. The initial configuration is actually a configuration file in FLASH, and when there is no configuration file in FLASH, the system starts with the default configuration. The delete key is used to delete the configuration file in FLASH. Click the delete key, a dialog box will pop up, the dialog box prompts the user if you want to delete the configuration file, if so, press the confirm key on the dialog box, otherwise press cancel key. The download key is used to download the configuration file to the PC. Click on the download button, and a dialog box will pop up, and the user will select the directory path and Save the configuration file. The file name of the downloaded profile is a switch.cfg.



Figure 15. Profile page

2.3.8 File upload page

Figure 16 is a file upload page through which users can upload configuration files and image files to the switch. Click the browse key to select the directory path of the uploaded configuration file or image file on PC. Click the upload key to upload the configuration file or image file, the suffix to the configuration file must be * .CFG, the image file must be supplied by the manufacturer and the file name suffix must be *. Img. Do not click on another page or

restart the switch until the transfer results page returns; otherwise, the file transfer failure will cause the system to crash.

		00	0	00	00	0	00	0	00	00	0	00	0	6	99	00	, 中义 Englisi
Managerd Switch Gystem Configuration Bakic Information Serial Information Sure Comparation Sure Comparation Sure Comparation Sure Configuration Serie Configuration Series File Updad System Reboot System Reboot	Attention: The Configuration File must hav The Fremware He must have an Do not interrupt the upload at a	ve an *.4 s *.img inytime	fg ext extenti as this	antion on may cr	orrupt th	e Firmv	vare or	Config	juration	and Pot	entially	r Crash	File Up the Sys 潮洗	bload tem	Jpload		(Upload the Configuration File or Firmware File from your local computer to the switch)

Figure 16. File Upload Page

2.3.9 System reset page

Figure 17 is the system reset page through which the user restarts the switch. When the restart key is clicked, a dialog box appears to prompt the user if he is sure to restart the switch. If so, press OK, otherwise press cancel. You will no longer be able to open the Web page when you restart.

	0	0	0	0	0		1	6	0 0				88	00	, 中文 English
Managed Switch Managed Switch Saturn Configuration Saturn Configuration Surfar Anagement Part Upload Part Configuration Part Configuration								Rebo	S) N	R	eboot F	Factory		Help	

Figure 17. System reset page

2.4 Port Configuration

2.4.1 Port configuration / port display page

Figure 18 is the port configuration / port display page. Users can enable or disable ports through this page, set port speed, or view the basic information for all ports.

To set up a particular port, the user needs to select the appropriate port name from the drop-down menu of the port. The port status defaults to up, which disables the port by selecting down from the drop-down menu. Users can also choose to set the speed drop-down menu to set the speed of the port, such as forced half-duplex 10m (half-10) on the port. Users can view other basic information about all ports through this page.

		00							0	1	0	20	- 0	00						
		3	-	s .		12 0	1	9	7	20	22	20	7	27						中文 Eng
Managed Switch									Port	Con	imon	Confi	ouratio	on/S	how					
* 🦲 System Configuration			Falsated F		_															
Port Configuration			Admin Sta	DIES						-										
Port Statistics			Admin Sta								p 🗸		-							
Flow Control			Conng sp	ea						2	uto-Ne.	potiate '	~							
Broadcast Storm										Ref	resh	Apply	Н	elp						
Port Ratelimit		Dort	Adv	ain Status		n	Onora	do State		_		De	INIONEDan	duidth	~		Config Encod	10.0	N Mode	Default VI AN
Protected Port	Select All	Point	Au	lle.			Opera	Ile.		_			- 1000	dimotin			Coming appeed	10		J.
Dert Trunking		gen/i		Up	_			op	_	-			Liekee	wops	_		Auto-Negoliate		CORSS	
Mirror		ge1/2		Up				Jown		_			Unknov	/n			Auto-Negotiate		ccess	
DDM Information		gen/4		Up			-	lown		-			Liokoo	/II			Auto-Negotiate		ccess	1
MAC Binding		981/4		Un) with		_			Unknow				Auto-Negosate			1
MAC Filter		gens ge1/6		Up				lown		-			Unknow	/II		_	Auto-Negotiate		coord	1
VLAN Configuration		gene ge1/7		Up				Down		-			Unknow	/11			Auto-Negotiate		access	
SNMP Configuration		gen/		Up				own		_			Unknos			_	Auto-Negoliate			1
ACL Configuration		geno		Up Up				Jown		_			Unknow	/11			Auto-Negotiate		iccess .	
IP Basic Configuration		gens		Un) with		_			Unknow				Auto-Negobate			1
* 🔄 AAA Configuration		ge1/10		Up				lown		-			Liekee				Auto-Negotiate		ccoss	1
MSTP Configuration		ge1/11		Up				Down		_			Unknow	/n			Auto-Negotiate		COR55	1
IGMP SNOOPING Configuration		ge1/12		Up				Jown		_			Unknov	/n			Auto-Negotiate	~ ~	ccess	
GMRP Configuration		ge1/13	-	Up				20wn	_	-			Uniknov				Auto-megotiate	A .	ccess	
EAPS Configuration		ge1/14		Up				Jown		_			Unknow	/n			Auto-Negotiate	~ ~	ccess	
* A RMON Configuration		ge1/15		Up				Jown		_			Unknow	/n			Auto-Negotiate	A .	ccess	
Cluster Management		ge1/16		Up				Jown		_			Unknov	'n			Auto-Negotiate	A	ccess	
Log management		ge1/17		Up			E	Jown					Unknov	/n			Auto-Negotiate	A	ccess	1

Figure 18. Port configuration and port display page

2.4.2 Port statistics page

Figure 19 is a port statistics page. To view a specific port, the user needs the appropriate port name from the drop-down menu of the port. The user can view the statistics of the port receive and receive package through this page.

				中文 English
Managed Switch System Configuration Port Configuration Port Statistics Flow Configuration Port Statistics Flow Control Beroedcast Storm	Part: V Port Statistics Information Received Total Divises (InfloCients) Received Novinceas Practes Num (InfluQuadPets)	Port Statistics	Received Unicast Packets Num (BhiUcastPicts) 0 Received Unicast Packets Num (BhiUcastPicts) 0 Received Unicast Packets Num (BhiUcastPicts) 0	
Port Ratelimit	Received Error Packets Num (ifinErrors)	0	Received Unkonwn Protocol Packets Num (ifInUnknownProtos) 0	
Protected Port	Send Total Bytes (ifOutOctets)	0	Send Unicast Packets Num (ifOutUcastPkts) 0	
Port Trunking	Send Non-Unicast Packets Num (ifOutNUcastPkts)	0	Send Discard Packets Num (ifOutDiscards) 0	
Mirror	Send Error Packets Num (ifOutErrors)	0		
DDM Information		Refresh	Hetp	

Figure 19. Port statistics page

2.4.3 Flow control page

Figure 20 is the flow control page. Users can open and close flow control for each port through this page.

Turn on or off a port flow control by the pull on or off of the flow control. At the same time, you can view the flow control status of all ports through this page.

										0	6			中文 English	
Managed Switch System Configuration Port Configuration Port Configuration Common Configuration Port Statistics Flow Control Rev Control	Port:			Off	Y			 Pe	Flo	Apply	itrol	lain			^
Protected Form Protected Port Protecte						Port P get get get get get get	lame 1/1 1/2 1/3 1/4 1/5 1/6 1/7 1/8	Re	iresii				Flow Control State Off Off Off Off Off Off Off Off Off Of		

Figure 20. Flow control page

2.4.4 Broadcast storm control page

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

Select the port you want to configure from the drop-down bar of the port. On and off are used to turn on and off port broadcast suppression, multicast suppression and DLF suppression. The suppression rate item is used to configure the suppression rate of the port in the range of $1 \le 1024000$ in kbits. The suppression rates of broadcast suppression, multicast suppression and DLF suppression on the same port are the same. At the same time, through this page, you can view the broadcast storm control configuration of all ports.



Figure 21. Broadcast storm control page

2.4.5 Port speed limit page

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

Select the port you want to configure from the drop-down bar of the port. Sending packet bandwidth control is used to configure and display the bandwidth control of sending packets, the range is $1 \le 1024000$, and the unit is kbits, input and press the application key to take effect. If the port is not configured with bandwidth control, it appears as off. The corresponding cancel key is used to cancel the bandwidth control of the sending packet. The received packet bandwidth control is used to configure and display the bandwidth control of the received packet, the range is $1 \le 1024000$, and the unit is kbits, input and press the application key to take effect. If the port is not configure and display the bandwidth control of the received packet, the range is $1 \le 1024000$, and the unit is kbits, input and press the application key to take effect. If the port is not configured with bandwidth control, it appears as off. Correspondence The cancel key is used to cancel the bandwidth control of the received packet.

If the bandwidth control is configured, it is displayed in the list.

		4			7		- 11	12	16	17	19	24	- 23	25						
		÷.	•	þ				ė				, in the second								¢ ♥ Foolish
	1																			the second
Managed Switch												Do	et Bate	Limit						
Configuration	1											PO	it nate	s Linnin	it.					
Port Configuration	Port: V																			
Common Configuration																				
Port Statistics	Send Packets Rate Control 0ff)	kbps (1-	1024000)	C	Cancel (Cancel	Send Pa	ckets Rate	Control										
Flow Control	Receive Packets Rate Control	,	kbps (1-	1024000)	C	Cancel	Cancel I	Receive	Packets R	ate Contr	(lo									
Broadcast Storm																				
Port Ratelimit											R	efresh	Apply	y	Help					
Protected Port						Dee						and Dee	hate Date	Control	(labora)	·	Dessity Deskets Data Control (About	1		
📓 Learn Limit						PO	(Name					enu Pac	Nets rate	Control	(vnhe)		Receive Packets Rate Control (kops)	1		
Port Trunking																				
Mirror																				
DDM Information																				
E MAC Binding																				

Figure 22. Port speed limit page

2.4.6 Protection port page

Figure 23 is a protection port page. This page is used to configure the protection port.

	0		2		2		2	2											
																	+	文 English	
Managed Switch									P	otecte	d Port								
System Configuration							Port	lame		1			is Protected Port						
Comparation							gef	1/1					No						
Contribution		n					ge'	1/2		1			No						
Elew Control		<u> </u>					0e1	1/3	 	<u> </u>		 	No						
Broadcast Storm						_	0.0	1/4					No						
Port Ratelimit							90	1/6				 	No	 					
Protected Port							ge.	110	 			 	No	 					
Learn Limit							ge	1/0	 			 	INO						
Port Trunking		<u> </u>					ge.	117		<u></u>		 	NO						
Mirror		<u> </u>					ge'	1/8					No						
DDM Information							ge'	1/9					No						
MAC Binding							ge1	/10					No						
🗉 🧰 MAC Filter							ge1	/11					No						
VLAN Configuration							ge1	/12					No						
SNMP Configuration							ge1	/13					No						
ACL Configuration							ge1	/14					No						
QOS Configuration							ge1	/15		1 m			No						
IP Basic Configuration		<u> </u>					ge1	/16	 			 	No						
AAA Configuration								117				 	No						
MSTP Configuration							901	110		-		 	No	 					
CMPR Conference							Act	40				 	NU						
T EARS Configuration		<u> </u>					gei	/19	 				INO						
BMON Configuration		<u> </u>		_			ge1	/20		-		_	No						
Cluster Management		Ш.					ge1	/21	 			 	No	 					
T I an Management							ge1	/22					No						

Figure 23. Protection port page

2.4.7 Port learning limit page

Figure 24 is a port learning restriction page. The page is used to limit the number of MAC addresses that the port can learn, in the range of 0-8191. The default value is 8191 and the maximum value, indicating that the port does not have a learning limit. The study limit for all ports is shown in the list.

					0						0					中文 English
Managed Switch System Configuration Port Configuration Port Statistics Flow Control Flow Control	Port:	10-815	1)				Refi	resh	Apply	earn	Limit Cancel Lit	nit	Help			
Broadcast Storm Dest Date Smit					 Dort	Hamo	_	_		_	-	_	MACA	delense Num Able To Learn		
Port Ratemat Protected Part			-	 	 POIL	1/1				_			MAC 7	8191	-	
I earn I imit			-		 	1/2				-				8191	=	
Port Trunking					 ge	1/3				-				8191	4	
Mirror					ge	1/4								8191	1	
DDM Information					ge	1/5								8191	1	
B MAC Binding					ge	1/6								8191	3	
MAC Filter					ge	1/7								8191		
VLAN Configuration					ge	1/8								8191	_	
* G SNMP Configuration					ge	1/9								8191		
* ACL Configuration				 	 ge.	/10								8191		
QOS Configuration					ge'	/11								8191	_	
IP Basic Configuration				 	đe,	/12								8191	_	
AAA Configuration				 	ge.	/13								8191	_	
MSTP Configuration			-		ge	/14								8191	-	
IGMP SNOOPING Configuration				 	ge	/15				_				8191	-	
* GMRP Configuration			-		 	/17								8191	-	
EAPS Configuration				 	ge'	/18				-				8191	4	
RMON Configuration					de,	/19				-				8191	1	
Cluster Management					 ge	/20				_				8191	1	
E Log Management					ge	/21								8191	3	

Figure 24. Port learning limit page

2.4.8 Port aggregation configuration page

Figure 25 is a port aggregation configuration page. This page allows the user to configure port aggregation. This page consists of four parts: Trunk Group ID selection, setting aggregation method, configurable port, and group member port.

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

The aggregation method configured during the page configuration is that the aggregation method can only be configured for the existing trunk group corresponding to the selected trunk group ID; only the member port can be added or deleted on the already existing trunk; in the absence of a member port, a trunk group can be deleted.

The switch provides six port aggregation modes: based on source MAC address, destination MAC address, source and destination MAC address, source IP address, destination IP address, source and destination IP address based on destination IP address.

The switch supports up to 8 groups of port aggregation, each group of port aggregation supports up to 8 ports, and each Trunk group can configure its own port aggregation method.

			00		0				20 6 6 21		88	<u>op</u>			中文 Englist
Managed Switch System Configuration								Port Tr	unking C	Configur	ration				
Port Configuration Configuration Port Satisfies Port Satisfies Port Satisfies Port Satisfies Port Pathenia Port Pathenia	Turna Corong DD 1001 (Discremental) 1002 (Discremental) 1003 (Discremental) 1003 (Discremental) 1008 (Discremental) 1009 (Discrem		Set Trunk Met	Trunk Met	<u>od</u>		gel/1 gel/2 gel/3 gel/4 gel/6 gel/6 gel/6 gel/7 gel/8 gel/14 gel/6 gel/7 gel/8 gel/14 gel/14 gel/14 gel/14 gel/15 gel/16 gel/17 gel/22 gel/23 gel/24		Able Conf	ig Port			Cireate Trunk Group Member Port -> Unmember Port <> Delete trunk Group		of Port
MSTP Contiguration IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration EAPS Configuration	(Note: There must have at least one trunk gr	oup when you	u configure trunk	method. All the	trunks us	e the sam	e trunk metho	I. You car	only delet	e or add a Help	member p	ort when	en a trunk already exists. Delete trunk groups when they	r have no member.)	

Figure 25. Port aggregation configuration page

2.4.9 Port mirror configuration page

Figure 26 is the port mirror configuration page, which allows the user to configure port mirror. Port mirroring is listening for packets output by mirrored output ports and packets input by mirrored input ports through mirrored ports. Only one mirrored port can be selected, while multiple mirrored output ports and mirrored input ports can be selected. The page consists of four parts: listening port, configurable port, listening direction and mirror configuration information. When configuring a mirror port, configure the mirror port from the listening port, the mirror port can only have one, then select the mirrored port from the configured port, select the listening direction from the listening direction, the most Press the application key to take effect, and the results are displayed in the mirror configuration information.

When the RECEIVE in the listening direction is selected, it means listening for the received packets, TRANSMIT means listening for all packets sent and received, BOTH means listening for all packets sent and received, NOT_RECEIVE means canceling listening for received packets, NOT_TRANSMIT means canceling listening for packets sent, and NEITHER means canceling listening for received and sending packets, that is, canceling the monitored port.

	ģ			中文 English
Managed Switch System Configuration System Configuration	Mirror Port	Por Able Config Mirrored Ports	t Mirror Configuration Mirror Direction	Mirror Config Info
Cammon Centguration Centguration Pert Statistics Flow Centrel Broadcast Storm Pert Ratellimit Pert Centrel Learn Limit Pert Cantellimit Pert Traking Micro	(Mirror port name like: go1rt)	PUL1 PUL2 pE1/2 PUL2 <td>v</td> <td></td>	v	

Figure 26. Port mirror configuration page

2.5 MAC Binding

2.5.1 MAC binding configuration page

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

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

			0							6					中文 English
Managed Switch System Configuration Port Configuration MAC Binding Online MAC Binding Online MAC Binding Online MAC Filter VLAN Configuration Succonfiguration ACC-configuration CAC-configuration OS Configuration	Port: V HAC Address (MAC Address Format: HHBHJ.HH	нн.ннн	H)			 LAN ID	0 MAC A	uddress Sei	MAC E	lind Cor	nfigura'	Dele	te	VIAN D	3

Figure 27. MAC binding configuration page

2.5.2 MAC binding automatic conversion page

Figure 28 is the MAC binding automatic conversion page. This page is used to enable ports to automatically bind MAC addresses.

Displays the existing dynamic MAC address of the port in the layer 2 hardware forwarding table and the VLAN. to which it belongs You can select the entries and convert them to static bindings.

			0	6		0		0	1	0		0	0	0				中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Binding MAC Fleer VLA Configuration SMAC Configuration Configuration MAC Fleer Configuration MAC Place MAC Place	Port:	(The list	t will disp	lay the MJ	AC addres	ses and	I VLAN II	D that the	port has MAC A Refi	dynamie ddress resh	N cally lea Sel	AC Aut	to Bind can sele	ect one of	or more	re Roms and then press apply to bind those mac addresses to that port; VEAN ID	

Figure 28. MAC binding auto conversion page

2.6 MAC Filtering

2.6.1 MAC filter configuration page

Figure 29 is the MAC filtering configuration page. This page is used to configure port filtering of MAC addresses.

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

		中文 English
Managed Switch System Configuration Configuration Mac Binding Mac Binding Mac Filter Mac Auto Filter Mac Auto Filter Mac Auto Filter	MAC Filter Configuration Font: V HAC Address VLAN ID 0 (MAC Address Format: HHBHLBHHHLHHHH)	
SNMP Configuration ACL Configuration QOS Configuration	Refresh Select-all Apply Delete Help	
	Figure 20 MAC filter configuration page	

Figure 29. MAC filter configuration page

2.6.2 MAC filtering automatic conversion page

Figure 30 is the MAC filter automatic conversion page. This page is used to enable ports to automatically bind MAC addresses.

Displays the existing dynamic MAC address of the port in the layer 2 hardware forwarding table and the VLAN. to which it belongs You can select the entries and convert them to static filtering configurations.

			0	ģ		6		11 10 10	00			10		0			ıglish
Managed Switch System Configuration Port Configuration MAC Binding	Port:											M	AC Aut	o Filter			-
C MAC Filter		(T	he list v	vill displ	y the MAC	C address	ses and	VLAN IE	that the p	port has	dynamica	lly learn	ed. You c	an select	one or n	ore items and then press apply to filter those mac addresses from that port.)	
MAC Filter Configuration MAC Auto Filter										MAC	Address					VLANID	
VLAN Configuration SNMP Configuration										Ref	resh	Sele	ct-all	App	ity	Help	

Figure 30. MAC filtering automatic conversion page

2.7 VLAN Configuration

2.7.1 VLAN information page

Figure 31 shows the current VLAN information page. The page is a read-only page that shows the status of the current VLAN,VLAN and port members of the VLAN. The drop-down box displays the VID, status and port members of up to 30 vlan in all current vlan, lists. Selecting a vlan, list from the drop-down box displays information about up to 30 vlan whose VID is greater than the vlan. However, if all vlan is not more than 30, no matter which vlan, list is selected from the drop-down box, all vlan information is displayed.

A port can not be a member of VLAN, can be a tagged member of VLAN or a member of untagged. The character meaning before the port of the page is as follows:

T tagged the port is a tagged member of this VLAN U untagged this port is a untagged member of this VLAN

							中文 English
Managed Switch System Configuration Port Configuration MAC Binding	(Note: The drop-down box dis	plays all current VLANs. The list Displays up to 1000 V	LANS. If you select a VLAN	VLAN I	nformation t will show all VLANs o	equal to or greater than the selected VLAN but not more than 1000 VLANs.)	t=tagged member, u=untagged member)
MAC Filter	VID	VLAN Name	State			Port Member	
VLAN Configuration	1	vlan1	active	[u]ge1/1 [u]ge1/2 [u]ge1 ge1/18 [u]ge1/19 [u]ge1	/3 [u]ge1/4 [u]ge1/5 [u /20 [u]ge1/21 [u]ge1/2	ulge1/6 (ulge1/7 (ulge1/8 (ulge1/9 (ulge1/10 (ulge1/11 (ulge1/12 (ulge1/1 22 (ulge1/23 (ulge1/24 (ulge1/25 (ulge1/26 (ulge1/27 (ulge1/28	3 [u]ge1/14 [u]ge1/15 [u]ge1/16 [u]ge1/17 [u]
VLAN Configuration				Refres	Help		

Figure 31 VLAN information page

2.7.2 Static VLAN configuration page

Figure 32 is a static VLAN configuration page that allows users to create VLAN.

If you want to create a new VLAN, user entering a VID, range from 2 to 4094.VLAN on the active line, the system generates it according to VLAN ID and cannot be modified. Click the application key, and the list box displays the VID and VLAN names of the user-created VLAN. The switch creates VLAN1, by default and VLAN1 cannot be deleted.

If you want to delete an VLAN, user, you need to click on the corresponding VLAN in the list

box. The VLAN will be displayed in the active row, and click the delete (Delete) key to delete the VLAN, and the information for the VLAN will be removed from the list box.

				00	0	0		0	00			0	88	01	20	中文 English
Managoef Switch Managoef Switch Managoef Switch Per Configuration Mon Text Mon Text	VID 1 Vlar	.1							Sta	Atic V	DDDY	VLAN Nat VLAN Nat Vlani	e e	Help	×	

Figure 32. Static VLAN configuration page

2.7.3 VLAN port configuration page

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

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

The mode Access specifies the port's VLAN mode as the ACCESS mode, in which the port is the untagged member of the VLAN1, the default VLAN for the port is 1. The VLAN mode of the hybrid specified port is HYBRID mode, and the port is the untagged member of the VLAN1 in this VLAN mode. the default VLAN for the port is 1. The VLAN mode for the trunk port is TRUNK mode, and in this VLAN mode the port is the tagged member of VLAN1, The default VLAN for the port is 1.

All of the current VLANs refer to the currently-created VLAN, which can be configured as a VLAN, and the user can select a VLAN from the list and select multiple VLANs.

The VLAN to which the port belongs shows the result of the VLAN port configuration. [p] indicates that the VLAN is the default VLAN, [t] of the port indicates that the port is a tagged member of the VLAN, and [u] indicates that the port is an unmarked member of the VLAN. When VLAN is deleted, the user selects VLAN, from the list to select more options.

Press the key "default VLAN =>" to configure the default VLAN, for the port to select a VLAN. from all the current VLAN.

The key "tagged = >" configuration port is a tagged member of the specified VLAN, selecting one or more VLAN. from all current VLAN.

The key "untagged =>" configuration port is a untagged member of the specified VLAN, selecting one or more VLAN. from all current VLAN.

Press the key "non-member <=" to remove the port from one or more VLAN specified, no longer a member of these VLAN, and select one or more VLAN. from the VLAN to which the port belongs.



Figure 33. VLAN port configuration page

8. SNMP configuration

(1) SNMP community configuration page

Figure 34 is an SNMP community configuration page that allows the user to configure the name and read and write permissions of the switch's community. A total of eight entries can be configured.

By default, a switch has a union of public names, which is read-only. Correspondingly, there is only one active entry on the page, the union name is public, and the permissions are read-only. When the switch needs to perform network management through SNMP, you need to configure a shared body with readable and writable permissions.

rap()/32.1000.1/					18 00	中文 English
Managed Switch	je			SNMP Community Configura	ation	
Port Configuration	Item	Community Name			Read/Write	State
MAC Binding	New 🗸				×	
MAC Filter	1		public		Read Only	Active
VLAN Configuration SNMP Configuration Community Name TRAP Target ACL Configuration			Refr	esh Apply Delete	Мер	

Figure 34. SNMP community configuration page

(2) TRAP target configuration page

Figure 35 is a TRAP target configuration page that allows the user to configure the IP address of the workstation receiving the TRAP message and some parameters of the TRAP protocol packet.

When configuring an entry, the name is used to enter the TRAP name, the transfer IP address is used to enter the destination address, and the SNMP version is used to select the version of the TRAP package. If the setting is successful, the status in the entry will show as active. If the configuration is successful, the SNMP TRAP function will work. If a link up or link down occurs, the switch will automatically send a TRAP packet to the destination address.

								6 6 6 6			中文 English
Managed Switch System Configuration			 	 		TRAP Ta	rget Cor	figuration			
Port Configuration	Item	Name				Transmit IP	Address			SNMP Version	State
The MAC Binding	New 🗸]							~	
MAC Filter ULAN Configuration SMMP Configuration Community Name TRAP Target ACL Configuration					Refre	sh App	oly (Delete	Help		

Figure 35. TRAP target configuration page

9. Qos configuration

(1) Qos application page

Figure 36 is the Qos application page, through which users can configure the Qos type of port and modify the default user priority. The list is the Qos type of the real-time display port and the user's default priority.

											6		
				-	10	 		<u> </u>		24		 - 20	#⊠ English
Managed Switch Managed Switch Configuration Configuration	Port: VQOS Type: 30 905	~	User Pri	ority: 0 🗸]				()OS Ap	ply		
* 🗀 MAC Binding													
MAC Filter									Refr	esn	арру		
VLAN Configuration	Port	lame							QOST	ype			User Priority
SNMP Configuration	ge	1/1							NO Q	0S			0
* 🔁 ACL Configuration	ge	1/2							NO Q	0S			0
Configuration	ge	1/3							NO Q	0S			0
QOS Apply	ge	1/4							NO Q	os			0
QOS Schedule	ge	1/5							NO Q	0S			0
IP Basic Configuration	ge	1/6							NO Q	0S			0
AAA Configuration	ge	1/7							NO Q	OS			0

Figure 36. Qos application page

(2) Qos scheduling page

Figure 37 is the Qos scheduling page, through which users can configure the Qos scheduling type of ports and modify the priority of queues. The list is the real-time display port scheduling and the weight of each queue.

		0			Ó	6				0	0								
			-								-								中文 English
Managed Switch System Configuration	1											QO	S Schee	lule					^
Port Configuration MAC Binding MAC Binding	Port:	~																	
VLAN Configuration	QOS Schedule M	ode: VER 🗸																	
* 📄 SNMP Configuration	Weight of queue	0 (1~127): 0	Weigh	t of queue	2 1 (1~127)	: 0													
ACL Configuration	Weight of queue :	2 (1-127): 0	Weigt	t of queue	3 (1-127)	: 0													
Configuration	Weight of queue	4 (1~127): 0	Weigt	t of queue	5 (1~127)	: 0													
QOS Apply QOS Schedule	Weight of queue	5 (1~127): 0	Weigt	t of queue	e 7 (1~127)	: 0													
IP Basic Configuration												Refres	h A	why					
AAA Configuration												Reines		19					
MSTP Configuration	Port Name	QOS Schedule Mode		Weight o	d queue 0		Weight	of queu	e1	Weig	ht of que	ue 2	We	ight of qu	Jene 3	Weight of queue 4	Weight of queue 5	Weight of queue 6	Weight of queue 7
IGMP SNOOPING Configuration	ge1/1	WRR			1			2			4		<u> </u>	8		16	32	64	127
Configuration	ge1/2	WRR			1			2			4			8		16	32	64	127
EAPS Configuration	ge1/3	WRR			1			2		_	4			8		16	32	64	127
RMON Configuration	ge1/4	WRR			1			2			4			8		16	32	64	127
🖲 🦳 Cluster Management	ge1/5	WRR			1			2			4			8		16	32	64	127
E Log Management	ge1/6	WRR			1			2			4			8		16	32	64	127

Figure 37. Qos scheduling page

10. ACL configuration

(1) ACL standard IP configuration page

Figure 38 shows the ACL standard IP configuration page, through which the user can establish a rule library for the ACL standard IP. The user can select an ACL group number (ranging from 1-99, or 1300-1999) to create one or more rules in that group. The only field that can be matched in a rule is the source IP address (with mask).

								0						6				中文 English
Managed Switch System Configuration Port Configuration MAC Binding	ACL Standard IP Group Num: 1 V										ACI	_ Stan	dard IP	Config	uratio	n		
MAC Filter ULAN Configuration Shill Configuration	Source IP Address	169	12.4	Cl want	to contro	ol 197	169 1	n the	n Wildow	s chou	ource V	/ildcard]
ACL Configuration	Deny O Permit			cc wain	c to contr		100.1	.0, 1110	i Wildea	u mou			,					
Extended IP MAC IP MAC ARP					Gro	oup Num	1		Re	ny/Perm	t Sel	ect-all	A	Source	Dele	ess ete	Source Wildcard	

Figure 38. ACL standard IP configuration page

When you configure a rule, the source IP address needs to be masked and the rule can match the set of IP addresses. The address mask is represented by an inverse 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 users configures a rule, each rule must have a filtering mode: Allow or Deny.

When users create a rule in a rule group, the system automatically assigns a rule number to the rule. When you delete a rule in a rule group, the other rules are unchanged. The system automatically assigns a rule to a rule group. Sort. If the user wants to delete the entire rule group, you can select all and then click the "Delete" button.

(2) ACL extended IP configuration page

Figure 39 shows the ACL extended IP configuration page. The user can establish a rule base for ACL extended IP. And users can select an ACL group number (ranging between 100-199 or 2000-2699) to create one or more rules in the group. Fields that can be matched in a rule: active IP address (with mask), destination IP address (with mask), protocol type (such as ICMP, TCP, UDP, etc.), source port and destination port (for TCP and UDP only) Protocol is valid), TCP control flag.

		#3
Managed Switch Managed Switch Managed Switch Managed Switch Mac Binding Mac Binding Mac Binding	ACL Extended IP Configure	
VLAN Configuration	Source IP Source Wildcard	
SNMP Configuration	Destination IP Destination Wildcard	
Standard IP Extended IP MAC IP	Protocol Type	
MAC ARP ACL Information ACL Reference ACL Reference	Source Part registration	
IP Basic Configuration AAA Configuration	TCP Control Flag	
MSTP Configuration IGMP SNOOPING Configuration ONDER Configuration	(e.g.: If input IP Address 192.168.1.2, ACL want to control 192.168.1.0, then Wildcard should be 0.0.0.255; The selected Protocol Type and Source Port is in one-to-one relationship, If the Protocol is udp, select the udp port; If the Protocol Type is not tcp or udp, the selected port is insignificance.)	
EAPS Configuration	● Deny ○ Permit	
RMON Configuration	Group Num] Deny/Permit Source IP Source Wildcard Destination IP Destination Wildcard Protocol Type Source Port Destination Port	TCP Flag
Cluster Management	Refresh Select-all Add Delete Help	

Figure 39. ACL extended IP configuration page

When users configure the rules, both the source and destination IP addresses need to be masked, and the rules can match sets of IP addresses. The address mask is an inverse representation, and 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 users configures a rule, each rule must have a filtering mode: Allow or Deny.

When users create a rule in a rule group, the system will automatically give the rule a rule number, when deleting a rule in a rule group, other rules remain unchanged, the system will automatically sort the rules in a rule group. If the user wants to delete the entire rule group, he can select all of them and then press the "Delete" button.

(3) ACL MAC IP configuration page

Figure 40 shows the ACL MAC IP configuration page. Users can establish a rule base for ACL MAC IP through this page. The user can select an ACL group number (ranging between 700 and 799) and create one or more rules in the group. Field active MAC address (with address match bit), source IP address (with address match bit), destination IP address (with address match bit), and VLAN ID that can be matched in one rule.

					中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Binding	ACL MAC IP Group Num: 700 V		ACL	MAC IP Configure	
VLAN Configuration	Source MAC		s	Source MAC Wildcard	
SNMP Configuration	Source IP		5	Source IP Wildcard	
ACL Configuration	Destination IP			Destination IP Wildcard	
Extended IP	VLAN ID	0		0-4094, 0 means all VLAN)	
MAC IP	(e.g.: If input IP Address 192.168.1.2, ACL want t	o control 192.168.1.0	.0, then Wildcard should be 0.0.0.255; MAC A	Address is the same, MAC Address and MAC Address Wildcard format: H	ння.нини.нинн)
ACL Information	O Permit Group Num	Deny/Permit	Source MAC Source MAC Wildcard	Protocol Type Source IP Source IP Wildcard D	estination IP Wildcard VLAN ID
IP Basic Configuration AAA Configuration			Refresh Select-all	Add Delete Help	

Figure 40. ACL MAC IP configuration page

When configuring a rule, the source MAC address, source IP address, and destination IP address must have address matching bits. The rule can match the set of MAC addresses and IP addresses. 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 you create a rule in a rule group, the system automatically assigns a rule number to the rule. When you delete a rule in a rule group, the other rules are unchanged. The system automatically assigns a rule to a rule group. Sort. If the user wants to delete the entire rule group, you can select all and then press the "Delete" button.

When configuring a rule, the VLAN ID must be in the range of 0 to 4094, including 0 and 4094, where 0 is all.

(4) ACL MAC ARP configuration page

Figure 41 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 (ranging between 1100-1199) and create one or more rules in the group. The fields that can be matched in a rule are ARP operation type, sending MAC address (with address matching bit), and sending IP address (with address matching bit).

			6				6	6 6				0		6							
		11	4	÷	0. 10		14	10	. 19	10	20		- 44	49			20		L.,	í .	中文 English
Managed Switch System Configuration Port Configuration MAC Binding MAC Binding	ACL MAC ARP Group Num: 1100 V										U.	ACL M	AC ARP	Config	gure						
VLAN Configuration	Sender MAC											s	ender M	AC Wild	card						1
	Sender IP	_				-						5	ender IP	Wildca	ard				<u> </u>		
ACL Configuration Standard IP Extended IP MAC IP	(e.g.: If input IP Address 192.168.1		want f	to contr	ol 192.168.	1.0, ti	hen Wi	ildcar	rd should	d be 0.0	0.0.255	MACA	ddress i	s the sa	ime, M	мас	Add	iress and MAC Address Wildcard format	: HHHH	1.HHHH.HHHH)	1
MAC ARP	Group	Num					De	anyiPe	rmit				5	ender M	AC	_	_	Sender MAC Wildcard		Sender IP	Sender IP Wildcard
ACL Information									Re	fresh	Sel	ect-all	A	dd	De	elete		Help			

Figure 41. ACL MAC ARP configuration page

When configuring a rule, the user needs to match the MAC address and the IP address with the 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 0.0.255.

When a user configures a rule, each rule must have a filtering mode: Allow or Deny.

When users create a rule in a rule group, the system automatically assigns a rule number to the rule. When you delete a rule in a rule group, the other rules are unchanged. The system automatically assigns a rule to a rule group. Sort. If the user wants to delete the entire rule group, you can select all and then press the "Delete" button.

(5) ACL resource library information page

Figure 42 is an ACL repository information page, which displays all the rules and reference information configured in the current ACL.

		0	0	0	0	0	00	0	0	0	0	0 0	00	中文 English
Managed Switch Managed Switch Sync Configuration Marking Configuration Marking Marking Configuration Marking									Re	L Inform	mation Help			

Figure 42. ACL resource library information page

(6) ACL Reference Configuration Page

Figure 43 is an ACL reference configuration page that allows users to select an ACL group for a port through the page, and write the rules in this ACL group to port hardware logic to cause the port to perform an ACL filtering on the received packet in accordance with these rules.

When an ACL group is selected for an interface, you can select the IP standard, IP extension, MAC IP, and MAC ARP ACL group. The selected ACL group must exist. Select from 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" button.

		0	0	- -	0	0 0	0	0	0	0	0			86	01	2			中文 English
Managed Switch System Configuration Port Configuration	Port						,	All ACL G	iroups		A	CL Ref	erence	8			Re	ferenced ACL Groups	
MAC Directory MAC Directory MAC China Service MAC China Service Staff Configuration Staff Configuration Staff Configuration Staff Configuration Mac China Service March Configuration Add Configuration March Configuration March Configuration March Configuration March Configuration March Configuration GMRP Configuration GMRP Configuration	v															Add ⇒ Delete ≪			
EAPS Configuration RMON Configuration Cluster Management Log Management				!							Re	fresh	Help	1				_	

Figure 43. ACL reference configuration page

11. IP basic configuration

(1) VLAN interface configuration page

Figure 44 is the VLAN interface configuration page, through which users can configure the

VLAN interface, delete the VLAN interface, configure the interface IP address, delete the interface IP address and view the interface information. An existing VLAN can be set as an interface, and the interface address can be configured on the set interface.

							0						0						中文 English
Managed Switch	·									IP	Addı	ess C	onfigu	urati	on				
Port Configuration		Line Item		VLAN IE)				IP Addr	ess / Sul	onet Pre	îx					DHCP Client	MAC Address	
🖲 🧰 MAC Binding		New 🗸		0													Disable 🗸		
🖲 🦲 MAC Filter		1	Î.	1		j			19	2.168.0	1/24						Disable	00CD.8860.0001	
VLAN Configuration SNMP Configuration CL Configuration ACL Configuration Support IP Sack Configuration IF Address Configuration ARP Configuration and Dis Host Static Route Configur								Refresh Set IP	Address	reate V DHCP (LAN Inf	erface	De	Del	lete ∨ ⊃ Add	dress	Interface Help		

Figure 44. VLAN interface configuration page

By default, VLAN1 interface that cannot be deleted. Only one interface can be configured for a VLAN.

(2) ARP configuration and display page

Figure 45 shows the ARP configuration and display page, which can display all the information of the switch's ARP table. At the same time, users can configure static ARP entries, delete ARP entries, and change dynamic ARP table entries into static ARP table entries.

When configuring a static ARP entry, the user needs to enter the IP address and MAC address, which must be unicast MAC address, and then click the "add" button.

When deleting an ARP entry, the user can choose to delete an IP ARP entry, a network segment ARP entry, all ARP entries, all dynamic ARP entries, and all static ARP entries. For deleting the ARP table entry of an IP or deleting the ARP table entry of a network segment, enter the specified IP address or IP network segment in the input box, and then click the "delete" button.

When a dynamic ARP table is modified to a static ARP table, you can choose to modify the dynamic ARP table in a network segment or all static ARP tables. For a network segment, you need to enter the specified network segment in the input box, and then click the "Apply" button.



Figure 45. ARP configuration and display page

(3) Host static route configuration page

Figure 46 is the host static routing configuration page, through which users can add and delete the host static routing of switches. By default, the switch does not configure host static routing. Users can configure the default routing through this page, which means the destination address/subnet prefix is 0.0.0.0/0.

															中文 English
Managed Switch System Configuration Port Configuration MAC Binding	Target Address/Subnet perfix	 	Next	Нор	 	 -	Host S	Static	Route	: Confi	igura	tion			
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration	Select All	Item				F	Refresh get Addr	Ap	ply set perfo	Delete		Help	Next Hop	Distance	State
OOS Configuration OOS Configuration IP Basic Configuration IP Address Configuration ARP Configuration and Dis Host Static Route Configur AAA Configuration															

Figure 46. Host static route configuration page

12. AAA configuration

(1) Tacacs+ configuration page

Figure 47 shows the Tacacs+ configuration page. Users can configure information related to Tacacs+, including enabling Tacacs+ function, configuring the IP address of the Tacacs+ server, certification type, and sharing secret keys.

Before using the Tacacs+ function, you must enable the Tacacs+ function. The default configuration is not enabled.

Configure the IP address of the Tacacs+ server. This field must be set when using the Tacacs+ function.

The certification type is PAP and CHAP. The default configuration is PAP certification.

The shared key is used to set the encrypted shared password between the switch and the Tacacs+ server. This field must be set when doing certification and authorization, and it must be the same as the setting on the Tacacs+ server.



Figure 47. Tacacs+ configuration page

(2) Radius Configuration Page

Figure 48 is Radius configuration page. Users can configure Radius related information, including:

- The IP address of the Radius server that must be set when doing certification billing.
- Optional Radius server IP address, this field can be set if there is an alternate Radius server.
- The default value of the certification UDP port is 1812. Generally, the user does not need to modify it.
- Billing is initiated by default, and billing is generally initiated when doing certification and billing.
- The default value of the billing UDP port is 1813.
- The shared key is used to set the encrypted shared password between the switch and the Radius server. This field must be set when doing certification and accounting, and it must be the same as the setting on the Radius server.
- Vendor-specific information, users generally do not need to modify.
- NAS port, NAS port type, and NAS service type. These three are generally not modified.
- Whether to enable or disable Radius roaming.



Figure 48. Radius configuration page

(3) 802.1x Configuration Page

Figure 49 is the 802.1x configuration page, through which the user can configure some information related to 802.1x, including:

- Is the 802.1x protocol started? Be sure to start when doing certification billing.
- Whether the switch uses universal or extended certification.
- Is the recertification function turned on? The default is off, depending on the actual situation when doing authentication billing. Turning on recertification will make the user more reliable when using recertification billing, but will increase network traffic slightly.
- The recertification interval is valid only if recertification is enabled, and the default is 3600 seconds. This value should be set according to the actual situation when doing

authentication billing, but it should not be too small.

- Quiet Period, users generally do not need to modify this field.
- Quiet Period, users generally do not need to modify this field.
- Server timeout, users generally do not need to modify this field.
- Supplicant timeout, users generally do not need to modify this field.
- Number of "Max Request", users generally do not need to modify this field.
- Display the "Reauth Max" size.
- Client Version.
- Check Client, whether the client timing traffic packet is checked after certification is passed.

						6	C C	C		6		0	0	6			6		
					2	17		10	2	14	- 16	10	20	- 22	21		100	27	- 20
Anaged Switch	^	,												803	2.1x C	onfig	guratio	on	
System Configuration Port Configuration												1	002 4-			D5	rable b	2	
E MAC Binding												ł	Results	onticati		05	sable N	2	
B MAC Filter												ĥ	Reauth	enticati	n Perio	36	100		(Sec)
VLAN Configuration SNMP Configuration												ĥ	Quiet F	eriod		60	1		(Sec)
ACL Configuration												ł	Ty Dor	ort		30			(Sec)
QOS Configuration												ĥ	Family	Timenu	0	110			(Sec)
IP Basic Configuration												÷.	Server	rimeou		20	-		(600)
Tacacs+ Configuration												H	Suppli	antim	eout	2			(080)
Radius Configuration												H	Max Re	quest		3			
802.1x Configuration												H	Client	Max		2	0		1
802.1x Port Configuration												- F	Check	Client		En	able N	-	
BO2.1x User Auth-Informati													CHECK	Dofrosi		noly		Help	1
														rich con		4ppiy		ricip	

Figure 49. 802.1x configuration page

(4) 802.1x port configuration page

Figure 50 shows the 802.1x port configuration page. You can use this page to configure the 802.1x port mode and the maximum number of supported hosts. You can also view the 802.1x configuration of each port.

The 802.1x port mode includes four types: N/A state, Auto state, Force-authorized state, and Force-unauthorized state.

When a port needs to perform 802.1x certification, set the port to the Auto state. If you do not authenticate, you can access the network and set the port to the N/A state. The other two states are rarely used in practical applications.

	0 0			中文 English
Managed Switch System Configuration	Port Num		802.1x Port Configuration	Support Host Num
Port Contiguration		~		0
T MAC Biller	ge1/1		N/A	256
VLAN Configuration	ge1/2		N/A	256
B SNMP Configuration	ge1/3		N/A	256
ACL Configuration	ge1/4		N/A	256
QOS Configuration	ge1/5		N/A	256
IP Basic Configuration	ge1/6		N/A	256
B AAA Configuration	ge1/7		N/A	256
Tacacs+ Configuration	ge1/8		N/A	256
Radius Configuration	ge1/9		N/A	256
802 1x Configuration	ge1/10		N/A	256
802 1x Port Configuration	ge1/11		N/A	256
902 tx User Auth Informati	ge1/12		N/A	256
	ge1/13		N/A	256

Figure 50. 802.1x port configuration page

When doing 802.1x certification, the maximum host number of port access by default is 256. Users can modify this field, and the maximum number can be supported to 256.

(5) 802.1x user certification information page

Figure 51 is the 802.1x user certification information page, through which the user can view the status information of all users accessed under a certain port.

						中文 English
Managed Switch System Configuration Mac Binding MAC Binding	Port: V		Port Mode:	802.1x User Auth-Information]	
MAC Filter	User name	MAC Address	Request State	Applicant State Maching	Back-End State Maching	Retry Request State
SNUP Configuration SNUP Configuration SNUP Configuration Disc Configuration Acconfiguration Traces Configuration Radius Configuration Redus Configuration				Refreat Hep		

Figure 51. 802.1x user certification information page

13.MSTP configuration

(1) MSTP global configuration page

Figure 52 shows the MSTP global configuration page, where users can configure global MSTP parameters.

		中文 English
A Managed Switch	MSTP Configuration	
Port Configuration	MSTP Dirable V	
MAC Binding	Priority 32768	
MAC File WAS Configuration	Portfast Bpdu-Filter Disable 🗸	
SNMP Configuration	Portfast Bpdu-Guard Dirable V	
* 🗀 ACL Configuration	Forward-Time 15	
QOS Configuration	Helio-Time 2	
IP Basic Configuration	Errdisable-Timeout Disable 🗸	
AAA Configuration	Errdisable:Timeout Interval 300	
MSTP Configuration	Max-Age 20	
Port Configuration	Max-Hops 20	
Port Information	Cisco-Interoperability Distable 🗸	
GMP SNOOPING Configurat GMRP Configuration	Refresh Apply	

Figure 52. MSTP global configuration page

(2) MSTP port configuration page

Figure 53 is the MSTP port configuration page through which the user can configure the port MSTP parameters.

								1 1 1 1		0	â	10							中文	English
Managed Switch	,							STP F	Port Co	onfigura	ition	1								
System Configuration							 					_		_						
E MAC Diadian				Port								~								
A MAC Binding				Portfast						Disable	Y									
T I AN Configuration			Ē	Portfast	bpdu-fi	ilter				Enable	~			7						
T SNMP Configuration			Ē	Dortfast	bodu.o	ward				Enable	~			1						
E ACL Configuration			Ē	Root Gu	ard					Disable	~			-						
B QOS Configuration				Link Tur			 			Shaved	_	_	/	=						
IP Basic Configuration				Linkery	~		 			0		_	1	-						
P AAA Configuration			- 1	Priority						0	_	_		_						
B MSTP Configuration				Path-Co	st					0										
MSTP Configuration				Force-V	rsion					STP		Y]							
Port Configuration								Ref	resh	Apply										
Port Information																				
* GMP SNOOPING Configurat																				

Figure 53. MSTP port configuration page

(3) MSTP port information page

Figure 54 is the MSTP port information page, through which the user can view the specific status of the port MSTP.

									中文 Englisi
Managed Switch System Configuration Port Configuration MAC Binding					STP All Port Info	rmation			
MAC Filter	Port	Postfast	Bpdu-Filter	Bpdu-Guard	Root Guard	Link-Type	Priority	Path-Cost	Force-Version
Image: State of the state of	ge1/1	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
SNMP Configuration	ge1/2	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
ACL Configuration	ge1/3	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
QOS Configuration	ge1/4	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
IP Basic Configuration	ge1/5	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
AAA Configuration	ge1/6	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
B MSTP Configuration	ge1/7	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
MSTP Configuration	ge1/8	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Configuration	ge1/9	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Information	ge1/10	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
IGMP SNOOPING Configurat	ge1/11	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Configuration	ge1/12	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP

Figure 54. MSTP port information page

14.IGMPSNOOPING Configuration

(1) IGMPsnooping global configuration page

Figure 55 shows the IGMPsnooping global configuration page, through which the user can enable IGMPsnooping.

	00	0	4	6	1	00	6		0	4	6			36 ¢% English
Managed Switch System Configuration Port Configuration Mod. Biology Mod. Biology Mod. Biology Mod. Biology SNMP Configuration OOS Configuration OOS Configuration Mod. Biol. Configuration								IGM	Ref	DOPING	Disable Apply	igurati	on	

Figure 55. IGMPsnooping global configuration page

(2) Multicast group information page

Figure 56 is a multicast group information page. Users can view igmp snooping multicast program information through this page.

				中文 English
🔄 Managed Switch			Multicast Group Information	
System Configuration				
Port Consiguration	VLAN ID	Multicast Address	Member Ports	
MAC Filter		n	Refresh	,
P 🔁 VLAN Configuration				
SNMP Configuration				
ACL Configuration				
QUS Configuration				
AAA Configuration				
MSTP Configuration				
Configurat				
IGMP SNOOPING Configu				
Multicast Group Information GMRP Configuration				

Figure 56. Multicast group information page

15. GMRP configuration

(1) GMRP global configuration page

Figure 57 is the GMRP global configuration page, which allows users to enable GMRP.



Figure 57. GMRP global configuration page

(2) GMRP port configuration page

Figure 58 is the GMRP port configuration page, through which users can enable port GMRP and view port information.

		0 0					0	0		4 6 7		6			中文 Englisi
Managed Switch System Configuration Port Configuration Port Configuration MAC Binding MAC Filter	Port: VGMR	tP Status: Disab	le V						GM	RP Pe	orts C	onfigu Apply	uratio	n	
VLAN Configuration	Port Name	GMRF	Status	1	Join	Timer(c	entisecon	ds)					Leav	re Timer(centiseconds)	LeaveAll Timer(centiseconds)
SNMP Configuration	ge1/1	Dis	able	<u> </u>										1.000	·
ACL Configuration	ge1/2	Dis	able	Î						1					
* 🔁 QOS Configuration	ge1/3	Dis	able	<u> </u>											
IP Basic Configuration	ge1/4	Dis	able	1										1000	2000 C
AAA Configuration	ge1/5	Dis	able	<u> </u>		-									
MSTP Configuration	ge1/6	Dis	able	1											
* 🔲 IGMP SNOOPING Configurat	ge1/7	Dis	able	1										1 mm	lint
Configuration	ge1/8	Dis	able	<u> </u>		-									-
GMRP Global Configuratio	ge1/9	Dis	able)											
GMRP Ports Configuration	ge1/10	Dis	able	1										(and)	land land
GMRP State Machine	ge1/11	Dis	able	1		-									
EAPS Configuration	ge1/12	Dis	able												-

Figure 58. GMRP port configuration page

(3) GMRP state machine page

Figure 59 is a GMRP state machine page, through which the user can view the state machine information established by the GMRP.

	6	0	0	0	0	0	00	0	0	0		0		Ø	<u>00</u>			中文 English
Managed Switch System Configuration Part Configuration										GMR	P Sta	te Maci	hine					
D MAC Binding Det Nome D MAC Binding D MAC Binding D MAC Binding D MAC Binding D MAC Configuration D SNMC Configuration D SNMC Configuration D D SNAC Configuration D D SNAC Configuration D MSTP Configuration D MSTP Configuration D GMAP SNACDPING Configuration		VL	ANID					Muticast	MAC	ddress	Refn	esh				Appleant Sate	Register St	ite

Figure 59. GMRP state machine page

16. EAPS Configuration

(1) EAPS configuration page

Figure 60 is the EAPS configuration page through which the user can configure EAPS.



Figure 60. EAPS configuration page

(2) EAPS information page

Figure 61 is an EAPS information page that allows users to view EAPS configuration information.

					6 6	6	6	6		6 6		
Managed Switch System Configuration System Configuration Mort Configuration Mort Configuration Mort Configuration SNP Configuration SNP Configuration MOST Configuration							E	APS II Re	nforma stresh	tion		+r× English



17. RMON Configuration

(1) RMON statistics group configuration page

Figure 62 is the RMON statistics group configuration page, through which users can configure the RMON statistics group. Select a port from the drop-down list to view/configure the RMON statistics group configuration for that port. When not configured, index number is 0, fill in the correct index number (range 1 to 100), owner is optional, you can configure the RMON statistics group for this port. The statistics table shows the port statistics from the successful configuration.

	¢∜ English
Managed Switch System Configuration Port View View View View View View View View	τ, ∧ Linguan
A MACERar BACON Statistics	
Construction Index C Owner Owner	
Refresh Apply Delete Help	
C QOS Configuration Statistics Data	
Herical Parts Configuration Herical Configuration	
Carl Add Configuration the ClassPits 0 between the Cla	
P MSTP Configuration cthorStatk/MulticastPkts 0 etherStats/CRCAllanErrors 0	
P GMP SNOOPING Configurat etherStatsUndersizePkts 0 etherStatsOversizePkts 0	
Configuration etherStatsFragments 0 etherStatsJabbers 0	
P APS Configuration 0 etherStatsCollisions 0 etherStatsPktb64Octets 0	
RMON Configuration 0 etherStatsPkts65to127Octets 0 etherStatsPkts128to255Octets 0	
Statistics Configuration ortherStatsPtks256to511Octets 0 etherStatsPtks512to1023Octets 0	
History Configuration etherStatsPitc1024to1518Octets 0	

Figure 62. RMON statistics group configuration page

(2) RMON history group configuration page

Figure 63 shows the RMON history group configuration page through which users can configure the RMON history group. Select a port from the drop-down list to view/configure the RMON history group configuration for that port. When not configured, index number is 0, fill in the correct index number (range 1 to 100), interval, request Buckets, owner is optional, RMON history group can be configured for this port. Interval refers to the time interval of data collection, in seconds, with a range of 1-3600.

The requested Buckets are the allocated storage size, indicating how many records are stored and the range is 1-100. The statistics table shows the historical data collected since the successful configuration.

				±τ.Σ. Eoulida
				+ × Ligisi
Managed Switch System Configuration Port Configuration MAC Binding	Port:		RMON History	
🖲 🧰 MAC Filter		RMO	N History	
VLAN Configuration	Index	0	Interval	
SNMP Configuration	Request Buckets	0	Owner	
QOS Configuration			Refresh Apply Delete Help	
* 🔁 AAA Configuration			History Data	
MSTP Configuration	Index Time Interval Start Drop Even	a Octets Pkts Broadcast Pkts	Multicast Pkts CRC Align Errors Undersize Pkts Oversi	ze Pkts Fragments Jabbers Collisions Utilization
IGMP SNOOPING Configurat GMRP Configuration GMRP Configuration Statistics Configuration History Configuration Aarm Configuration Event Configuration Event Configuration			First Prev. Next Last Total 8 pages, Current Page Is No. 1	



(3) RMON alarm group configuration page

Figure 64 shows the RMON alarm group configuration page. You can create or modify a RMON alarm group on this page. Select a configured alarm group from the drop-down list to view/configure its information. Select New to create it.

The index number ranges from 1 to 60, and the interval ranges from 1 to 3600. In seconds, the monitoring object must fill in the MIB node. The comparison mode can be either absolute or delta. In addition, the upper and lower valves must be filled in. Value, event index, owner is optional.

The alarm value is read-only and shows the sampled value when the alarm was last issued. The event index refers to the index number of the RMON event group and must be configured in advance.

		00							0 0							
Managed Switch									RMON	Alarm					#2	English
System Configuration	An and a second s								Older These		C-10 Xb		Older Constants	Calling Country in Arr		
Poil MAC Binding	Sequence index interval		variable		ahealu	ae type	Alamiva	lue lo	Kising Thres	noia	Failing Inree	snood	Rising Event index	Failing Event index	Owner	_
* 🗀 MAC Filter					101010	•			-				•	<u> </u>	<u> </u>	
P VLAN Configuration							R	fresh	Apply	Delete	Help					
SNMP Configuration	Sequence Index Interval Variable	Sample	Alarm Value	Rising	Falling	Risi	ng Fall	ng	Owner							
CL Configuration		Type		Threshold	Threshold	Event I	ndex Event	ndex	onnor							
QOS Configuration																
IP Basic Configuration																
MSTP Configuration																
IGMP SNODPING Configurat																
B GMRP Configuration																
Configuration																
RMON Configuration																
Statistics Configuration																
History Configuration																
Alarm Configuration																
Cluster Management																

Figure 64. RMON alarm group configuration page

(4) RMON event group configuration page

Figure 65 shows the RMON event group configuration page, which allows users to create or modify RMON event groups.

Select a configured event group from the drop-down list to view/configure its information, or select New to create it.

The index number ranges from 1 to 60. The description is in the form of a string. You can select either none (no operation), log (logging), snmp-trap (sending Trap alarm), or log-and-trap (recording and sending traps).), the share name does not work in this device, the owner is optional. The last send time is read-only and shows the time the event was last sent.



Figure 65. RMON event group configuration page

18. The Cluster Configuration

(1) NDP Configuration Page

Figure 66 is an NDP configuration page that allows users to configure NDP. The information that can be set includes: selecting a port, enabling the port NDP function, enabling the global NDP function, the interval for sending NDP packets, and the aging time of NDP packets on the receiving device.

Port selection, port can be selected as needed, and enable port NDP function. For NDP to work properly, both global and port NDP functions must be enabled.

Configure the aging time of NDP message sent by this device on the receiving device, the effective time range is 1-4096 seconds, and the default configuration is 180 seconds. Configure the time interval of NDP message sending, the effective time range is 1-4096 seconds, and the default configuration is 60 seconds.

		中文 Eng
Managed Switch		
Surtan Configuration	NDP Configuration	
Dystelli Configuration	Part: V	
TOL MAC Binding		
MAC Filter	Port Enable	
VI AN Configuration	Global Enable distable 🗸	
SNMP Configuration	Hello-time 60 (1-4096 sec)	
C ACL Configuration	Anina-time 180 (1-4096 sec)	
QOS Configuration		
IP Basic Configuration	Refresh Apply Help	
a AAA Configuration		
MSTP Configuration		
IGMP SNOOPING Configurat		
GMRP Configuration		
EAPS Configuration		
C RMON Configuration		
Cluster Management		
NDP Configuration		
NTDP Configuration		
Cluster Configuration		
E Log Management		

Figure 66. NDP configuration page

(2) NTDP Configuration Page

Figure 67 shows the NTDP configuration page through which users can configure NTDP.

The configurable information includes: select port, enable port NTDP function, enable global NTDP function, scope of topology collection, time interval of timing topology collection, delay time of forwarding packet on the first port, and delay time of forwarding packet on other ports.

Port selection: port can be selected as needed, and enable port NTDP function. NTDP must enable both global and port NTDP functions to function properly.

Configure the scope of topology collection: the effective range is 1-6. By default, the farthest device from the topology collection is 3 hops away.

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

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

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



Figure 67. NTDP configuration page

(3) Cluster Configuration Page

Figure 68 shows the cluster configuration page, which allows users to configure the cluster and view the cluster member table. The information that can be set includes: enabling the cluster function, configuring the management VLAN, the address pool of the cluster, the interval for sending handshake packets, the effective retention time of the device, the name of the cluster, the method of joining the cluster, and deleting the cluster.

The cluster function is working properly and the cluster function must be enabled first.

Configure the management VLAN. The valid range is 1-4094. The default configuration is vlan1.

Configure the private IP address range of the member devices in the cluster. The valid range

of the IP address is 0.0.0.0~255.255.255.255. The valid range of the mask length is 0~32.

Configure the interval for sending handshake packets. The valid range is 1-255 seconds. The default configuration is 10 seconds.

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

To establish a cluster, you need to configure the cluster name and the method of joining the cluster. There are two methods: manual and automatic. After the cluster is established, it can be automatically switched to manual, but manual cannot be switched to automatic. The cluster name can be changed manually.

After a cluster is created, member devices and candidate devices can be viewed in the cluster member table. You can delete member devices or add candidate devices to member devices based on roles.

		- 0	0		00	0	0					0 0		00	00	88	8				中文 Engl
Managod Switch System Configuration McC Configuration McC Biolog McC Configuration WCAN Configuration WCAN Configuration GC Configuration DC Sconfiguration DC Sconfiguration DC Sconfiguration MCA Configuration									Cluste Manay IP-po Hands Hands	er Enal gemen ol shake [:] shake [:]	Cl ble ht-vlan time hold-t	luste i time	disa 1 0.0. 60 Apply	figurat ∞b1e ♥	ion	(1-4 (A.E (1-2 (1-2	4094) B.C.D/M) 255 sec) 255 sec)				
IGMP SNOOPING Configuration GMRP Configuration EAPS Configuration RNON Configuration NDP Configuration NDP Configuration Cluster Configuration Cluster Configuration	Serial		M	IAC					Cluster	Name	A	oply Clust	er Men	De nber L	ype lete ist Status		~	Name) F	Role	
• 🔄 Log Management	(Press the Button "Refresh" to	view the l	atest i	nformat	ion)						1	Refr	esh	Help							

Figure 68. Cluster configuration page

19. Log management

(1) Log information

Figure 69 is a log information page that allows users to view logs. Select the priority from the drop-down list, you can view the log of this level, click refresh to view the log of the latest record.

				0	0			0		20 10 10 21		<u>88</u>	00	中文 English
Managed Switch Managed Switch System Configuration Ped Configuration Mon Dealer Mon Management Mon Dealer Mon Management	■ Log Priority Ref	fresh]						Lo	g Inform	nation			

Figure 69. Log information page

20. PoE management

(1) Poe port configuration

Figure 70 shows the POE port configuration page, which can turn on and off the POE function, set the total power supply power, and restart the POE port separately; You can view the used power, the percentage of used power, and the usage status of each Poe port.

Managed Switch				PoE P	ort Configu	ration			
System Configuration									
Port Configuration			Selected Ports						
AC Binding			PoF Admin Status		Enable T				
MAC Filter			FOE Admin Status		Enable •			_	
VLAN Configuration			Total Power (W)		130				
SNMP Configuration			Power Consumption (W)		0.00				
ACL Configuration			Power Usage (%)		0.00				
QOS Configuration			Defreeb	Apply	Dester	o Defeuit	Dert Destarting		
IP Basic Configuration			Reliesii	Apply	Resio	e Delault	Fort Restarting		
AAA Configuration	Select All	Port	Admin Status	Operation	PSE Type	Class	Current (mA)	Voltage (V)	Power (W)
MSTP Configuration		ge1/1	Enable	OFF	BT	N/A	N/A	N/A	N/A
IGMP SNOOPING Configuratio		ge1/2	Enable	OFF	BT	N/A	N/A	N/A	N/A
GMRP Configuration		de1/3	Enable	OFF	AT	N/A	N/A	N/A	N/A
EAPS Configuration		ne1//	Enable	OFF	ΔΤ	N/A	N/A	N/A	N/A
RMON Configuration		go 1/F	Enable	OFF		N/A	NIA	N/A	N/A
Cluster Management		gens	Eliable		AI	IN/A	IN/A	IN/A	IN/A
Log Management	U	ge1/6	Enable	OFF	AT	N/A	N/A	N/A	N/A
PoE Power Control		ge1/7	Enable	OFF	AT	N/A	N/A	N/A	N/A
							10.000		

Figure 70. POE port configuration

(2) Poe Policy Configuration

Figure 71 shows Poe policy configuration, which can set the policy behavior service of each Poe port.

Managed Switch								
System Configuration			_					
Port Configuration	r		P	OE Policy Col	nfiguration			
MAC Binding								
MAC Filter		POE	Port		¥			
VLAN Configuration		Polic	v Status	d	isable 🔻			
SNMP Configuration		1	,	1				
ACL Configuration				Refresh	Apply			
QOS Configuration								
IP Basic Configuration	Clock (🗆 All)	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
AAA Configuration	00 🗆						×	2
MSTP Configuration	01 🔲				✓			✓
IGMP SNOOPING Configuratio	02 🗆				•			
GMRP Configuration	03 🗆							2
EAPS Configuration	04 🗆				۲			
RMON Configuration	05		2					
Cluster Management	00		2			2	2	
Log Management	000							
E See Power Control	07 🗆	2	2	2	۲	۲	Z	
PoE Port Configuration	08 🗆			•	₹		•	₹
PoE Policy Configuration	09 🗆		2					
D Query Configuration	10 🗆							2
•	11 🗆		✓				•	

Figure 71. POE Policy Configuration

(3) PD Query Configuration

Figure 72 shows the PD query configuration, turn on and off the POE auto check function, view the IP address of the PD device, and query the POE auto check function status information of each Poe port.

Managed Switch System Configuration					6					
Port Configuration	r			PD Query Con	riguration					
MAC Binding										
T MAC Filter		PoE Port		Y						
VLAN Configuration		PoE Watchdog		disable 🔻						
SNMP Configuration		PD IP Address								
ACL Configuration		PD Query Interva	1	0	(5=300 Soo)					
QOS Configuration			•	0	(0-300 380)					
IP Basic Configuration		PD Timeout Num	ber	0	(2~10)	(2~10)				
AAA Configuration		PD Boot Time		0	(30~600 Sec)					
MSTP Configuration										
IGMP SNOOPING Configuratio				Refresh	Apply					
GMRP Configuration	PoE Port	PoE Watchdog	PD IP Address	PD Query Interval (Sec)	PD Timeout Number	PD Boot Time (Sec)	PD Reboot Times			
EAPS Configuration	ge1/1	Enable	N/A	20	3	120	0			
RMON Configuration	ge1/2	Enable	N/A	20	3	120	0			
E 🗀 Cluster Management	ge1/3	Enable	N/A	20	3	120	0			
E 🗀 Log Management	ge1/4	Enable	N/A	20	3	120	0			
PoE Power Control	ge1/5	Enable	N/A	20	3	120	0			
PoE Port Configuration	ge1/6	Enable	N/A	20	3	120	0			
PoE Policy Configuration	ge1/7	Enable	N/A	20	3	120	0			
oomgaraaon	do1/8	Disable	N/A	20	3	120	0			

Figure 72. PD Query Configuration