Web Configuration Manual

## TABLE OF CONTENTS

1 WEB MANAGEMENT LANDING PAGE	1
1.1 LOG IN TO THE SWITCH MANAGEMENT PAGE WEB	1
2 QUICK CONFIGURATION	2
2.1 VI AN SETTING	2
2.2 MODE	3
2.3 SNMP CONFIGURATION	Э Д
2.4 The other settings	4
3 PORT MANAGEMENT	5
3.1 BASIC SETTINGS	
3.1.1 Check the port configuration	
3.1.2 Configuring Port Properties	
3.2 Storm Control	7
3.2.1 Check the port settings Storm	
3.3 FLOW CONTROL	9
3.3.1 Configuring Flow Control	
3.4 Port Aggregation.	
3.4.1 Viewing Port Aggregation Configuration	
3.4.2 Add port agaregation	
3.4.3 Modifying port agaregation	
3.5 PORT MIRRORING	
3.5.1 Port Mirroring Configuration	
3.5.2 Add port mirroring group	13
3 5 3 To modify the port mirroring group	
3 5 4 Delete a nort mirroring group	16
3.6 PORT ISOLATION	17
3.6.1 VIEW PROTISOLATION	
3.6.2 CONFIGURE THE PROTISOLATION	18
3.6.2 CONTROLETTE THOTISOLATION	18
	10
2.7.1 View port rate limiting	
2.7.2 Configure port access rate	
3.7.2 Conjugure port access rate	
3.7.5 Kentove the port speed minit	20
4 VLAN MANAGEMENT	
4.1 VLAN MANAGEMENT	
4.1.1 Check VLAN configuration information	
4.1.2 Adding a VLAN	
4.1.3 Remove VLAN	
4.1.3.1 SINGLE VLAN DELETE	
4.1.3.2 DELETE MULTIPLE VLAN	
4.1.4 Editing VLAN	
4.1.4.1 CHANGE PORT TO A VLAN	
4.1.4.2 TO REMOVE THE PORT FROM A VLAN	
4.1.5 view port mode	25
4.1.6 change the port mode is trunk	
4.1.7 CHANGE THE PORT MODE IS ACCESS	

4.2 VOICE VLAN	
4.2.1 VIEW THE VOICE VLAN CONFIGURATION	
4.2.2 ENABLE THE VOICE VLAN	27
4.2.3 CONFIGURE THE VOICE VLAN PORT	
4.2.4 VOICE VLAN OUI TABLE	
4.2.5 view the voice vlan device	
4.3 SURVEILLANCE VLAN	
4.3.1 VIEW THE surveillance VLAN CONFIGURATION	
4.3.2 configure surveillance VLAN	
4.3.3 MAC Settings and Surveillance Device	
4.3.4 PROT SURVEILLANCE VLAN	
4.3.5 ATUO SURVEILLACE VLAN SUMMARY	34
4.4 MAC VIAN	
4 4 1 VIEW THE MAC VI AN INFORMATION	34
4 4 2 CONFIGURE THE MAC VI AN ADDRESS	34
4 3 3 CONFIGURE MAC VI AN PORT	35
4.5 GUEST VI AN	۰۰۰۰۰۶ ۹۴
4 5 1 VIEW THE GLIEST VLAN INFORMATION	عد جد
4.5.2 ENARIE THE GUEST VIAN	36
4.5.2 ENABLE THE GUEST VI AN PORT	
	37
4.6 1 VIEW THE PROTOCOL VI AN INFORMATION	
	38
	29 29
4.6.5 DELETE FROTOCOE GROOF	
4.6.5 DELETE GROUD RINGDING	20
4.0.5 DELETE GROOF BINGDING	
4.7 NIVIN	
4.7.2 ENARI E MVR	40 مر ۸0
4.7.2 ENABLE WWW.	
	41 11
4.7.4 WIVE GROUP ADDRESS	41
5 FAULT / SAFETY	
5.1 ATTACK PREVENTION	
5.1.1 ARP INSPECTION	
5.1.1.1 VIEW ARP CONFIGURATION	
5.1.1.2 ARP INSPECTION FUNCTION	43
5.1.1.3 DISABLE ARP INSPECTION CHEAT FUNCTION	43 ЛЛ
5.1.2 nort security	
5.1.2.1 CONFIGURATION PORT SECURITY	
5.1.2.2 MODIFY CONFIGURATION.	
5.1.3 anti DHCP attack	45
5.1.3.1 VIEW ANTI DHCP ATTACK CONFIGURATION	
5.1.3.2 OPEN ANTO DHCP ATTACK FUNCTION	46
5.1.3.3 SETSTHE PORT TO DHCP NON TRUSED PORT	46
5.1.3.4 Off ANTI DHCP ATTACK FUNCTION	47
5.2 PATH DETECTION	48
5.2.1 path Detection	48
5.2.2 Tracert Detection	

5.2.3 Cable Detection	
5.3 DDOS PROTECTION	
5.4 LOOPBACK DETECTION	51
5.4.1 ENABLE LOOPBACK DETECTION	51
5.4.2 choose the port to configure	51
5.5 STP	
5.5.1 STP GLOBAL	
5.5.1.1 VIEW THE STP GLOBAL INFORMATION	
5.5.1.2 ENABLE THE STP GLOBAL INFORMATION	53
5.5.1.3 STP PORT SETTINGS	53
5.6 ACCESS CONTROL	54
5.6.1 ACL access control list	54
5.6.1.1 VIEW ACCESS CONTROL LIST	
5.6.1.2 INCREASED ACCESS RULES	55
5.6.1.3 MODIFY CONFIGURATION	
5.6.1.4 DELETE RULE	
5.6.2 application ACL	
5.6.2.1 VIEW APPLICATION ACL	
5.6.2.2 INCREASED APPLICATION ACL	
5.0.2.5 DELETE APPLICATION ACL	
5.7.1 VIEW IGMP CONFIGURATION	
5.7.2 ACTIVE MULTICAST LISTENER FUNCTION	
5.7.3 VIEW AND CONFIGURE ROUTER PORT	
5.7.4 GROUP ADDRESS	
5.7.5 FILTERING PROFILE	
5.7.6 IGMP STATISTICS	
5.7.7 DISABLE MULTICAST LISTENER FUNCTION	
5.8 5.8 MLD	
5.8.1 View MLD configuration	
5.8.2 ACTIVE MULTICAST LISTENER FUNCTION	
5.8.3 VIEW AND CONFIGURE ROUTER PORT	
5.8.4 GROUP ADDRESS	65
5.8.5 FILTERING PROFILE	
5.8.6 MLD STATISTICS	
5.8.7 disable multicast listener function	67
6 SYSTEM MANAGEMENT	67
6.1 SYSTEM SETTINGS.	
6.1.1 management vlan	
6.1.1.1 configuration Basic System Settings	
6.1.1.2 System time synchronization	
6.1.1.3 DHCPv6 client	
6.1.1.4 IPv6 HTTPS	
6.1.2 System restar	
6.1.3 change password	
6.1.4 System Log	
6.1.5 Log Export	
6.1.6 ARP table	72
6.1.7 MAC management	
6.1.7.1 MAC address lookup	72

6.1.7.2 Add a static MAC address type	73
6.1.7.3 Remove the static MAC address type	75
6.2 System Upgrade	76
6.3 System information	77
6.3.1 System Log	
6.3.2 CPU INFORMATION	77
6.5 CONFIGURATION MANAGEMENT.	79
6.5.1 Configuration management	79
6.5.2 Restore factory Settings	81
6.6 SNMP	82
6.6.1 Check the SNMP	82
6.6.2 Activate the SNMP	
6.6.3 To disable the SNMP	
6.6.4 Activate the TRAP	
6.6.5 Disable the TRAP	84
6.6.6 CHANGE of community	
6.6.7 Added the SNMP TRAP service host	
6.6.8 Delete the SNMP TRAP service host	
6.7 RMON	
6.7.1 view ROMN configure information	87
6.7.2 configure ROMN type	
6.7.3 change ROMN type	
6.7.4 Delete the configured rule	
, 5	

7 QOS	90
7.1 Priority Schedule	90
7.1.1 view the priority schedule	90
7.1.2 The configuration global settings OF SP	90
7.1.2.1 THE CONFIGURATION GLOBAL SETTINGS OF 802.1P SP	90
7.1.2.2 THE CONFIGURATION GLOBAL SETTINGS OF 802.1P SP ADD WRR	
7.1.3 The configuration global settings OF DSCP	92
7.1.3.1 THE CONFIGURATION GLOBAL SETTINGS OF DSCP AND SP	92
7.1.3.2 THE CONFIGURATION GLOBAL SETTINGS OF DSCP AND WRR	93
7.1.4 Editing the DSCP values	95

8	EEE	97
	8 1 FFF	97
	8.2 ENABLE 802.3AZ EEE SETTINGS	97

# 1 WEB MANAGEMENT LANDING PAGE

## 1.1 LOG IN TO THE SWITCH MANAGEMENT PAGE WEB

Configuration computer's IP address and the switch must be set to the same subnet (switch default IP address is 192.168.1.200, the default subnet mask of 255.255.255.0).Run WEB browser, in the address bar enter http://192.168.1.200 Enter, enter the user name and password -admin/admin, click "Login" button or directly enter into the WEB management

	User Login		
	Please input your user name	and password!	
	Language: English	×	
	User Name:		
	Password:		
	Login		
vice Name: SWITCH	Davice Location:	Contact Name	

Figure 1-1: The login page WEB

After landing successfully, the switch management page WEB page:

🖒 Log							ómin	Current Userad	
			er:	Serial nume	Hardware Version: B	ble Memory 66MB Available Flash 2	CPU: MA	Model name: Switch	System Hame
			s: 00E0-5317 EB89	0.003 Mac addres	Software Version: 1			Date/Time: 2013-12-5 00:3	Duick Configuration
									Port Management
					t SFP Managed PoE Switch	24 Ports 10/100/1000Mbps + 4 Gigabi			VLAN Management
			1.1.2.2.2.2.2		Y.1				Fault / Safety
						Anna -			System Management
		219 20 <sup>1</sup> Now	N N N N N N N N N	8 8 10 12 14 18	1.00				QoS
1000M 💼 Desconectar 💼 Desativ	10M/100M								FFF
						statistics	Device Configuration Pr	Port information	
						C Retrest	Search	Keyword:	
Edit	Trunk Port	VLAN	Connection Status	Status	Output Flow(Bps)	Input Flow(Bps)	Description	Port-	
Check the Flow Trand	No	1	Connected	Enabled	6.6K	0.9K		Gi 0/1	
Check the Flow Trend	No.	1	Mat Connected	Enabled	OK.	øK		GI 0/2	
Check the Flow Trend	No	3	Not Connected	Enabled	0K	QK.		GI 0/3	
Check the Flow Trend	No	3	Not Connected	Enabled	OK.	OK		GI 0/4	
Check the Flow Trend	No	1	Not Connected	Enabled	OK.	0K		0105	
Check the Flow Trend	No	1	Not Connected	Enabled	DK.	0K		GI 0/6	
Check the Flow Trend	No	11	× Not Connected	Enabled	OK.	0K		GI 0/7	
Check the Flow Trend	No	1	Not Connected	Enabled	DK.	0K		GI DE	
Check the Flow Trend	No	1	Not Connected	Enabled	0K	98		GI 0.9	
Check the Flow Trend	No	1	Mot Connected	Enabled	DK.	OK		Gi D/10	

Figure 1-2: switch WEB management page Home

# 2 QUICK CONFIGURATION

The quick configuration contains five chapters.Click on "Quick Configuration", can quickly to Configuration of the device commonly used functions, such as a VLAN, Trunk port ,port class ,SNMP and others. According to the steps, the configurations of step by step, also can choose configuration.

## 2.1 VLAN SETTING

Click on "Quick Configuration" "VLAN Settings" into the Quick Configuration of VLAN Configuration page. Can view the current equipment VLAN information, according to the demand of new VLAN, modify VLAN, delete VLAN, etc. after the completion of the configuration, click "Next".

System Home	Basic Setting	VLAN Settings Fort Mode				
Quick Configuration	VLAN					
+ Port Management	10	VLAN ID	VLAN Name	Tag Port	Untag Port	Edit
+ VLAN Management		1	default		1-28	2
+ Fault / Safety	O New VLAN 🥥	Delete VLAN				First Previous [1] Next Last
+ System Management						
+ QoS						



# 2.2 MODE

Click on the "Quick Configuration" "port mode" view switches has been configured trunk port information:

Notice:

1.Access: This mode port can only belong to one VLAN, you can transmit packets of the VLAN , the default is VLAN 1, is generally used with the terminal directly connected;

2.Trunk: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can only transmit data frames of tap type (Native VLAN to untag type transmission), generally used in conjunction with other switches in the network;

3.Hybrid: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can transmit data frames both tag type and untag type;

4. When a trunk or hybrid port mode, it will only allow the default Native VLAN through with untag types of data frames.

a faran i nama	Basic Setting VLAN Settings Port	t Mode						
Quick Configuration								
+ Port Management + VLAN Management	Note: 1 Access: This mode port can only belong to one VLAN, you can transmit packets of the VLAN, the default is VLAN 1, is generally used with the terminal directly connected. 2. Trunk: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can only transmit data frames of Tag type (Native VLAN to Untag type transmission), generally used in conjunction with other switches in the network. 3. Hybrid: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can only transmit data frames of Tag type (Native VLAN to Untag type transmission), generally used in conjunction with other switches in the network. 3. Hybrid: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can transmit Tag or Untag packet frame. 4. When the port is changed to Trunk mode, it will be removed from the previous Untag vian.							
+ Fault / Safety	Select a port to configure							
+ System Management + QoS		23 25 27 						
	L JOntional nort Selected nort [1] Aggregation part [	Trunk Port Select all Select all others Cancel						
	Port Mode: Hybrid •	Native VLAN:(1-4094						
	Port Mode: Hybrid •	Native VLAN:(1-4094	Native VLAN	Edit				
	Port Mode: Hybrid  Port	Native VLAN:(1-4094 Port Mode Access	Native VLAN	Edit				
	Port Mode: Hybrid  Port Port 2	Native VLAN:(1-4094 Port Mode Access Access	Native VLAN 1 1	Edit				
	Port Mode: Hybrid  Port Port 1 2 3	Native VLAN:(1-4094 Port Mode Access Access Access Access	Native VLAN 1 1 1	Edit 2 2 2				
	Port Mode: Hybrid  Port Port Apply Port 4	Native VLAN:(1-4094 Port Mode Access Access Access Access Access	Native VLAN 1 1 1 1 1	Edit 2 2 2				
	Port Mode: Hybrid  Port Port 1 2 3 4 5	Native VLAN:(1-4094 Port Mode Access Access Access Access Access Access Access Access	Native VLAN 1 1 1 1 1 1 1 1	Edit 2 2 2 2				
	Port Mode: Hybrid  Port Port Port	Port Mode  Port Mode  Access  Acces  Acce  Acces  Acces Acce Acce	Native VLAN 1 1 1 1 1 1 1 1 1	Edit 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				



# **3** PORT MANAGEMENT

## 3.1 BASIC SETTINGS

#### 3.1.1 CHECK THE PORT CONFIGURATION

Click on the navigation bar "Port Management" "Basic Settings" to view the current configuration of the switch ports:

	Current User:admin						🙆 Log Out	
System Home	Basic Settings							
Quick Configuration	Description: Select the port(s) you want Note: If the parameters selected are not	t to configure. Click on individual ports or click and drag the mouse to supported, the changes will not take effect.	select multiple ports.					
Basic Settings	MTU(1522-10240):	Apply						
Storm Control	Select a port to configure	81						
Flow Control Port Aggregation Port Mirroring		17 19 21 22 25 27 1 1 2 1 2 2 25 27 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
Port Isolation	Cotional port Pixed port	lected port Select all Select all others Ca	ncel					
+ VLAN Management	Description: Rate: Do Not Modify	Status: Do Not Modifi     Duplex Mode: Do Not Modifi	y •					
+ Fault / Safety	Apply							
+ System Management	Portlat							
+ QoS	Port	Description	Status	Rate	Duplex Mode	MTU	Edit	
+ EEE	1		Enabled	Auto	Auto	1522	2	
	2		Enabled	Auto	Auto	1522	2	
	3		Enabled	otuA	Auto	1522	2	
	4		Enabled	Auto	Auto	1522	2	
	5		Enabled	Auto	Auto	1522	1	
	6		Enabled	Auto	Auto	1522	1	
	Ŧ		Enabled	Auto	Auto	1522	2	
			Enabled	Auto	Auto	1522	3	
	9		Enabled	Auto	Auto	1522	2	
	10		Enabled	Auto	Auto	1522	2	

Figure 3-1: Port list information

In the port list attribute which shows the current switch port configuration information:

1.Port: The number of the port;

2.Port Description: Displays the contents of the switch port description;

3.Port Status: switch port status information, on / off;

4.Port Rate: Displays the switch port speed configuration, auto-negotiation / 10/100/1000;

5. Working Mode: Displays the switch port configuration duplex, auto-negotiation / full / half duplex;

6.MTU: Indicates the port is the maximum length of the packet;

## 3.1.2 CONFIGURING PORT PROPERTIES

After the icon, you can configure the selected port attributes:

	Current Useradmi						C Log Out
System Home	Basic Settings						
Quick Configuration	Description: Select the port(s) yo Note: If the parameters selected i	ou want to configure. Click on individual ports or click and drag the mouse to select multiple ports are not supported, the changes will not take affect					
Basic Settings	MTU(1522-10240): 1522	Apply					
Storm Control	Select a port to co	infigure:					
Flow Control Port Aggregation Port Microring		1 15 17 19 27 23 23 27 2 2 2 2 2 2 2 2 2 3 3 3 5 3 5 3 5 3 5 1 2 4 15 16 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
Port Isolation	Optional port Rived port	Selected port (1) Appregation port Select all Select all others Cancel					
Port Speed Limit	Description:	Status: Enabled *					
+ VLAN Management	Rate: Auto	Duplex Mode: Auto					
+ Fault / Safety	Apply						
+ System Management	Port List						
+ QoS	Port	Description	Status	Rate	Durley Mode	MTU	Ena
+ EEE		A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O	Ensmad	2,84	Lite	1622	
			Franking	ture .	-roavy	1922	4
	1		Europeo	ALLO	8420	1922	2
	3		Enabled	Auto	Auto	1522	2
	4		Enabled	Auto	Auto	1522	1
	5		Enabled	Auto	Auto	1522	2
	. 6		Enabled	Auto	Auto	1522	2
	- T.		Enabled	Auto	Auto	1522	2
			Enabled	Auto	Auto	1522	3
	0.		Enabled	Auto	Auto	1522	1

Figure 3-2: Port Properties configuration of FIG.

To configure port properties as follows:

Step1:Click the "Edit" icon x step2:In the Port Properties configuration page Fill / select the value to be configured, step3:Click the "Apply" button to complete the configuration.

# 3.2 STORM CONTROL

## 3.2.1 CHECK THE PORT SETTINGS STORM

Click on the navigation bar "Port Management" "Storm Control" to view the current switch port storm control information:

	Current Usertädmin					0 1	ag Out
System Home	Storm Control						
Quick Configuration	Description: Select the port(s) you want to configu Note: If the parameters selected are not supported	ure. Click on individual ports or click d. the changes will not take effect	and drag the mouse to select multiple parts				
Basic Settings	Select a port to configure:						
Storm Control Flow Control Port Aggregation		21 23 25 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
Port Mirroring	Coptional port Rived port Selected port	Appregation port Select all	Select all others Cancel				
Port Isolation Port Speed Limit	Storm Control Type: Disabled	•	Storm Control Value:	(Unit: kbps, Value: muth	ples of 16 between 16-1000000)		
+ VLAN Management	Apply						
+ Fault / Safety	Port List						
+ System Management	Port	Unknown-unicast		Broadcast	Unknown-multicast	Edit	
+ QoS		Disabled		Disabled	Disabled	11	
+ EEE	1	Disabled		Disabled	Disabled	2	
1.000	7	Disabled		Disabled	Disabled	2	
	4	Disabled		Disabled	Disabled	2	
	5	Disabled		Disabled	Disabled	2	
	6	Disabled		Disabled	Disabled	Z	
	7	Disabled		Disabled	Disabled	1	
	8.	Disabled		Orabled	Disabled	2	
	. 9	Disabled		Disabled	Disabled	2	
	10	Disabled		Disabled	Disatred	2	
						First Previous [1] [2] [3] Next Last1 / 3	Page

Figure 3-3: Storm Control List information

In the list of ports which shows the property values of the current storm control switch:

1.Port: The number of the port

2.Unicast: unknown unicast packets control

3.Broadcast: Broadcast packet control

4. Multicast: multicast packets control prompt

5. When set the control value is not a multiple of 64, the system automatically matches similar multiples of 64.

6.Control value unicast, broadcast, multicast, while only a single value for the control.

By clicking on the port panel " " corresponding port", select the port to be controlled.

	Current Useradmm					Log Oat
System Home	Storm Control					
Quick Configuration – Port Management Back Settings Stem Control Port Aggregation Port Mirroling Port Mirroling	Description: Select the port(s) you wine to or Note: If the parameters prefered are not support Select a port to configure:	Ingure. Click on individual conts or click and frag th finde. The changes will not laive effect.	e mouse to sniect multiple poets			
Port Speed Limit	Storm Control Type: Disabled	¥ 510	m Control Value:	nit sopp. Value multiples of 16 between 16	-1000000)	
+ VLAN Management	Apply					
+ Fault / Safety	Port List					
+ System Management	Pon	Unknown unicast	Broadcas	đ	Unknown multicast	Edit
+ QoS	4	Disabled	Disabled		Disabled	2
+ FFF	2	Disabled	Disabled		Disabled	2
, LLL	á .	Disabled	Devoied		Disabled	2
	4	64	64		Disabled	2
	5	Disabled	Disabled		Disabled.	2
	6	Disabled	Disabled		Disabled	2
	7	Disabled	Disabled		Disabled	2
	8	Disabled	Disabled		Disabled.	2
	9	Disabled	Disabled		Dissoled	1
	10	Desabled	Disabled		Desident	2
						First Previous [1] (2) [3) Next Lasta / 3Page

#### Figure 3-4: Configuring Storm Control information

#### After You can also select multiple ports, and batch editing.

	Current Useradmin					<b>O</b> 14	ng Out		
System Home	Storm Control								
Quick Configuration - Port Management Basic Settings Stoom Control	Description: Select the port(s) you want to config Note: If the parameters selected are not supported Select a port to configure:	ure. Click on individual ports or click d, the changes will not take effect.	and drag the mouse to select multiple por						
Flow Control Port Aggregation Port Mirroring									
Port Isolation Port Speed Limit + VLAN Management	Storm Control Type: Disabled		Storm Control Value:	(Unit köps, Velue; mut	tples of 16 between 18-1900000)				
+ Fault / Safety	Port List								
+ System Management	Port	Unknown-unicast		Broadcast	Unknown-multicast	Edit			
+ QoS	4	Decadled		Disacved	Disabled	2			
+ FEF	2	Disabled		Disabled	Disabled	2			
	1	Disabled		Disabled	Disabled	2			
		64		64	Deatled	2			
	5	Desibled		Disabled	Deatled	2			
		Disabled		Disabled	Disabled	2			
	7	Disabled		Disabled	Disabled	2			
	4	Disabled		Disabled	Divabled	2			
		Disabled		Disabled	Disabled	2			
	10	Disabled		Disabled	Deabled	2			
						First Previous [1] [2] [3] Next Last (1 / 3P	306		

Figure 3-5: Bulk edit configuration information

After the selected ports in the Storm Control category, set the unicast, multicast, broadcast value, such as setting the port number 1 unicast storm control is 1008,. Click Save Settings.

	Current Useradmin				O Log Out
System Home	Storm Control				
Quick Configuration Port Management Basic Settings Storm Control Flow Control Port Aggregation	Description: Select the port(i) you make to configure. Note: If the parameters relected the net supports it to Select a port to configure: 3 5 7 0 11 13 15 17 19 3 5 7 0 11 13 15 17 19 1 5 7 0 11 13 15 17 15 17 15 18 20 11 15 18	Click on individual ports or click and drag the mou e changes will not take effect 21 23 25 27 2 2 24 29 29 22 24 29 29	e fo send mutoril pots		
Port Isolation Port Isolation Port Speed Limit + VLAN Management + Fault / Safety	Colonal por Fired port Selected por Selected por Selected por Selected port Port Control Type: Unknown-unicast Apply Port List	Appreparion port Select all Select all others     Storm Con	Cancel stol Value: (208 Unit Jobps, Value multiple	s of 16 between 16-1000000)	
+ System Management	Port	Unknown-unicast	Broadcast	Unknown-multicast	Edit
+ 005	t	1005	Disabled	Detabled	2
+ EEE	2	Delabled	Disabled.	Disabled	2
	1	Deabled	Disabled	Disated	2
		Deabled	Disabled	Diratied	2
	5	Disabled	Disabled	Disabled	2
		Disabled	Disabled	Disabled	2
	7	Deatled	Essapled	Disabled	2
		Disabled	Disabled	Desabled	2
	8	Disabled	Disabled	Duacked	2
	10	Disabled	Disabled	Disatéra	2
					First Previous [1] [2] [3] Next Lasts / 3Page

**Figure 3-6: Configuring Storm Control information** After the configuration, as shown below:

	Backward and and an	margin a	manager in manager	
Port	Unknown unicest	Broadcast	Unknown-multicast	Ldit
1	1008	Disabled	Disabled	1
2	Disabled	Disableo	Disabled	1
1	Disabled	Detabled	Disabled	1
4	Disabled	Disabled	Disabled	1
5	Disabled	Disabled	Disabled	1
	Duadeed	Deaped	Deabled	2
1	Disabled	Disabled	Deabled	2
4	Disabled	Dinabled	Disabled	2
1	Disabled	Disabled	Disabled	2
10	Detatled	Detabled	Disabled	1

Figure 3-7: Configuration successfully Storm Control information flow control

#### 3.3 FLOW CONTROL

Click "Port Management" "configuration information flow control "Flow Control" view of the switch:

	Carned Useradmin			C Las Out			
System Home	Flow Control						
Quick Configuration	Description: Saled the port(3) you want to configure. Cit Note: If the parameters selected are not supported, the ch	s on individual ports or click and drag the mouse to select multiple ports. ungers will not take effect Changing the low control of the port will cause the port to be down	ind then lat				
Basic Settings Snirm Control Row Control Port Aggregation	Select a porto compute:						
Part Minuting Part Isolation Part Speed Limit + VLAN Management	Cotone port Freed port Samediad port AA	gyraption port. Select all Select all others: Cancel					
+ Fault / Safety	Partian						
+ System Management	Part	Filow Control	Operation Status	Eat			
+ QeS		C#	08				
+ FFF	4	07	or	2			
1		69	.08	12			
		C#	or	1			
		01	OB	12			
		C#	08	2			
		OR .	08	2			
		of	C8	1			
	(*)	Off	09	2			
	19	OF .	.09	1			
			First President [1] 52(51) Hert Lands / 3Page				

Figure 3-8: Flow Control Information

## 3.3.1 CONFIGURING FLOW CONTROL

Open port flow control function: select to open port traffic control, click the "Flow control type" Select "On", "Apply":

	Carnet Unersidesia			🔘 Lig Ge
System Home	Flow Control			
Duick Configuration Port Management Basic Settings Some Control Port Control Part Agengation Part Management Part Induston Part Systed Limit 4 V.V.AM Management	Constraints: Similar the party june worth configure CA And The parameters sandthis and the associated in the Best parameters sandthis and the associated in the Best parameters and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis and the sandthis	a on indexidual parts or cicits and sing the muscle to entite that and sing a parts. angine sin in a law offeet O surging the two comes of the acid sing assues the part to be down and there is 2. 25: 7 2. 25: 7 2		
+ Fault / Safety	Port Las			
+ System Management	Port	Flow Commit	Operation Status	East
+ 0+5		ON I	0#	12
+ EEE	-1	9	C#	2
	1	C#	or	18
	4	Ce -	or	2
		08	or	12
		97	de.	3
	(*)	Ce.	on	12
		07	CR.	2
	4	0F	0.0	12
	10	97	0#	4
			First Previous [1] [2] [3] Nami List[L / 25*age	

#### Figure 3-9: Open port flow control function

Open port traffic control, follow these steps:

Step1:Select Open port traffic control;step2:Select Open in "Flow control type" on;step3:Click "Apply".

View Configuration list to display configuration is successful:

Port Lat			
Port	Flow Control	Operation Status	Edit
,	On	or	2
2	On	or	2
3	or	08	2
	on	04	2
5	on	C4	1
8	Of	C#	2
7	on	01	2
	07	or	2
9	or	or	2
10	on	01	2
		First Previous [1] [2] [3] Next Last / 3Page	

Figure 3-10: Port flow control status

Modify the port flow control function: Click on port traffic control list corresponding to the rear port of the " > " button in the Port Settings page "Flow control type" select "Off", "Save Settings":

	Current User:admin			🔘 Legi
System Home	Flow Control			
Quick Configuration - Port Management Basic Settings	Description: Select the port(s) you want to configure. Clic Note: If the parameters selected are not supported, the ch Select a port to configure:	t or individual ports or click and dhag the mouse to select multiple ports anget will not take affect Changing the flow control of the port will cause the port to be down a	nd liter up.	
Storm Control Flow Control Port Aggregation Data Minusian	1 1 5 7 9 11 13 15 17 19 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 25 27 		
Port Isolation Port Speed Limit	Control port Fixed port Selected port A Apply	gorgator.port Select.all Select.all others Cancel		
+ Fault / Safety	Port List			
+ System Management	Port	Flow Control	Operation Status	Edit
+ QoS		On	07	2
+ FFF	1	Dis	Of .	2
		09	01	2
		C#	or	2
		C#	OF.	2
	6	01	01	2
	+	C#	pa.	2
	4	04	Cit.	2
		08	or	2
	10.	08	04	1
			First Previous [1] [2] [3] Next Lists / 3Pag	98 ·

Figure 3-11: Close the port flow control

## 3.4 PORT AGGREGATION

#### 3.4.1 VIEWING PORT AGGREGATION CONFIGURATION

Click "Port Management" "Port Aggregation" to view the current switch configured port aggregation information:

	Current Useradonin				🙆 Log Ox
System Home	Port Aggregation				
Quick Configuration	Description. Fort apprepation allows multiple ports to be combine	d to form a single isgical link. Each group can contain up to 8 ports. Me	mber ports assume network traffic by chunking rules		
- Port Management Besi: Settings Sterm Control	Load Balancing Load Balancing: mac				
Flow Central	Apply				
Port Microring Port Isolation	Aggregation ID (1-8):	15			
Port Speed Limit		27			
+ Pault / Safety + System Management + QoS	Contonial port Prived sort Prived sort Appreparts Appreparts Not Selected	in port. Select all Select all others. Callor			
+ 868	Aggregation List				
	Aggregation ID	Appregation Type	Number of Ports	Member Port	Edi
					Lear Lawrenced and Child

Figure 3-12: Aggregation port configuration information

In the port aggregation list which shows the current switch port configuration information for the polymerization properties:

1. Aggregation number: display link aggregation group number value;

2.Load Balancing: Displays the current link aggregation group load balancing judgment condition;

3.Aggregate types: Displays whether to use a polymerization port LACP protocol;

4.Member ports quantity: Displays the number of ports in the link aggregation group contains a total of member port: Displays the current port link aggregation group member prompt

5.Each aggregate port can bind up to eight member ports, port to transfer data among members of the network traffic through the shunt rules.

6.Port aggregation group must ensure that the port speed, duplex, port state agreement, or can not ATTACH after configuration.

## 3.4.2 ADD PORT AGGREGATION

Enter aggregation port number, select the desired aggregation port, select aggregation type, click "Apply"

Port Aggregation				
Description: Port aggregation allows multiple ports to be combined t	o form a single logical link. Each group can contain up to 8 ports. M	ember ports assume network traffic by shunting rules		
Load Balancing				
Lood Balancing:   mac	16			
Port Aggregation				
Aggregation ID (1-8): 1 Select a port to configure:	1			
	27			
Collonal port m Fixed port Selected port Aggregation	port. Select all Select all others Cancel			
Aggregation Type: Static •				
Aggregation List				
Aggregation ID	Aggregation Type	Number of Ports	Member Port	Edit
4	Static	2	7.8	2 ×
			1	First Previous [1] Next Last1 / 1Page

Figure 3-13: Port Aggregation Configuration area

Increase port aggregation, follow these steps:

Step1: Select the option to load the shunt in the load balancing list.step2: Enter the number in the "Aggregation number" in.step3: Select the aggregated ports in the panel.step4:Select the aggregation type.step5:Click the "Apply" button to complete the configuration.

## 3.4.3 MODIFYING PORT AGGREGATION

Click on "Aggregation List" in the need to modify the port aggregation right icon in this area to the port aggregation port aggregation group corresponding modification:

	Current Useradmin				6 Log Out
System Home	Port Aggregation				
Quick Configuration	Description: Port appregation allows multiple ports to be combined to to	ern a single logical trix. Each group can contain up to 8 ports: It	fember ports assume network traffic by shunting rules.		
Port Management     Basic Settings     Storm Control     Flow Control     Port Appregation	Loed Balancing Loed Balancing: mac Apply Port Apgregation				
Por Minoring Port Isolation Port Speed Linit + VLAN Management + Fault / Safety + System Management + GoS + EEE	Aggregation 10 (1-2) (	1 Selectal Selectal others Cancel			
	Aggregation ID	Apprepation Type	Number of Ports	Member Port	Eda
		State.	2	7.8	First Previous (t) First Last

#### Figure 3-14: To modify the port aggregation

Modify Link Aggregation Procedure:

Step1:In the "Aggregation List Click to modify the right of the port aggregation,step2:In the port aggregation configuration page to modify the load balancing type and click Next to "Save".step3:Select the port to be added to the aggregation port.step4:Click the "Apply" button to complete the configuration.

# 3.5 PORT MIRRORING

## 3.5.1 PORT MIRRORING CONFIGURATION

Click "Port Management" configuration of port mirroring "Port Mirroring" view of the switch:



#### Figure 3-15: Port mirroring configuration information

In the Port Mirroring is a property list which shows the configuration of the current mirror switch:

Mirroring group: mirroring group ID, can be configured up to seven mirroring group;

Source Port: The port forwarding on the source data is mirrored to the destination port;

Destination port: mirror data sent to the destination port.

1. Port aggregation port can not be used as the destination port and source port;

2. Destination port and source port can not be the same;

3.Same group mirroring group can have only one destination port.

## 3.5.2 ADD PORT MIRRORING GROUP

On the panel, select "Source Port" and "Destination Port" add port mirroring group.



Figure 3-16: Add port mirroring group

	Current Useradmin			ė	Log Del
System Home	Port Mirroring				
Quick Configuration — Port Management Basic Settingi Storm Control Flow Control Port Approaction	Description: Performancing is used to tend reliance to 555 time instance accurate parts to a certain Network A cost appropriation grave cannot be set as a destination on reacon port. The destination and Choose the source port. Beliefing multiple (source) topic can affect the steverol 1 3 5 7 9 10 11 35 17 19 32 22 22 1 3 5 7 9 10 11 35 17 19 32 22 22 1 3 5 7 9 10 11 35 17 19 32 22 22 1 3 5 7 9 10 11 35 17 19 32 22 22 1 3 5 7 9 10 11 35 17 19 32 22 22 1 3 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 11 35 17 19 32 22 22 1 5 7 9 10 12 15 17 19 10 10 10 10 10 10 10 10 10 10 10 10 10	atten part Verlagen, analyzen can be connected to the oscinantion port to analyze hension traffic of severe ports control be the same. Both a source and destination port-must be selected for the heatine to evol, conjectly performance 1.			
Port Microrieg Port Isolation	Choose the destination port (choose only one port)	Select all Select all others Cancel			
Port Speed Limit + VLAN Management + Fault / Safety					
+ System Management	Contonal port C Fived port C felexcted port C Appreciation port				
+ QoS	Apply Retresh Mirroring Group, Session 2 •				
+ EEE	Meroning Port List				
	Mirroring Group	Source Port	Destination Port	Edit	
	11 Internet (1997)	3	4	2 8	
				Pert Previous (1) Hed Lands	(iffage

Figure 3-17: Add port mirroring group results

Port mirroring configuration steps are as follows:

Step1:Select "Source Port", step2:Select "Destination Port", step3: select mirroring group, step4, Click" Apply".

Configuration instructions:

1.On the switch can be configured 7 mirroring group.

2.Aggregated port mirroring can not be configured are shown in gray in the panel.

3. Has been selected port mirroring port, displayed in the faceplate is gray.

## 3.5.3 TO MODIFY THE PORT MIRRORING GROUP

Select the group to modify, click on the action bar " " button. Modify the corresponding mirroring group.



Figure 3-18: To modify the port mirroring group

Step1:In the image you want to modify the operation of the group column, click on ""; step2:Add or remove the corresponding port in the panel;,step3:Click "Apply"

System Home	Port Mirroring			
Quick Configuration	Description: Port mirroring is used to send network traffic from multiple source ports to a de	tination port. Network analyzers can be connected to the destination port to analyze network traffic.		
- Port Management	Note: A port aggregation group cannot be set as a destination or source port. The destination	and source ports cannot be the same. Both a source and destination port must be selected for this feature	to work correctly.	
Basic Settings	Choose the source port: (Selecting multiple source ports can affect the dev	ce performance. ).		
Storm Control				
Flow Control				
Port Aggregation	2 4 6 8 10 12 14 16 18 20 22 24 26 28			
Port Mirroring	🖸 Optional port 👮 Fixed port 👮 Selected port 🚮 Aggregation port 🚮 Mirroring Gro	p Select all Select all others Cancel		
Port Isolation	Choose the destination port:(choose only one port)			
Port Speed Limit	1 3 5 7 9 11 13 15 17 19 21 23 25 27			
MAC Management				
+ VLAN Management				
+ Fault / Safety	Coptional port 🚍 Fixed port 🚘 Selected port 🚮 Aggregation port			
+ System Management	Apply Refresh Mirroring Group Session 2			
+ QoS	Mirroring Port List			
	Mirroring Group	Source Port	Destination Port	Edit
	1	3	4	2 ×
			First	Previous [1] Next Last1

**Figure 3-19: Modify successful port mirroring group** Modify the port mirroring configuration steps are as follows:

#### 3.5.4 DELETE A PORT MIRRORING GROUP

Remove some ports from multiple source ports and save them.

	Current Useradmin			🕑 Log Qui
System Home	Port Mirroring			
Quick Configuration	Description: Port mirroring is used to send network traffic from multiple source ports to a destinat	on port. Network analyzers can be connected to the destination port to analyze network traffic.		
- Port Management Basic Settings	Note: A port aggregation group cannot be set as a destination or source port. The destination and Choose the source port:(Selecting multiple source ports can affect the device pe	source ports cannot be the same. Both a source and destination port must be selected for this feature to un rformance. 1	vork correctly	
Storm Control Flow Control Port Aggregation				
Port Mirroring Port Isolation	Choose the destination port; (choose only one part)	electali Selectali others Cancel		
+ VLAN Management	1 3 5 7 5 1 1 1 5 7 9 2 2 3 5 7 2 3 3 5 7 5 1 1 5 5 7 9 2 2 3 5 7 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
+ System Management	C Optional port Prived port Selected port C Aggregation port			
+ QoS	Apply Retresh Mirroring Group Not Selected •			
+ EEE	Mirroring Port List			
	Mirroring Group	Source Port	Destination Port	Edit
	1	3,5,5	4	2 ×
			First 7	Previous [1] Next Last1 / 1Page

#### Figure 3-20: Delete a port mirroring group

Remove the current port mirroring, click the " button in the action bar, click on the source port and destination port, respectively cancel the currently selected port, and click Save. (Note: The current version supports only one port mirroring group)

Port Mirroring						
Description: Poir mirroring is used to send network traffic from multiple source ports to a destination port. Network analyzers can be connected to the destination port to analyze network traffic. Note: A port agrophysical group cannot be set as a destination or source port. The destination port is the source and destination port must be selected for this Network to work consistly Choose the source port: Selecting multiple source ports can affect the device performance.). 1 3 5 7 0 11 13 15 17 19 21 23 25 27 2 4 8 8 10 12 14 16 15 20 22 24 25 20 2 4 8 8 10 12 14 16 15 20 22 24 25 20 Choose the port @ Released port @ Aggregation ort @ Mirroring Group Select all Select all others Cancel						
Optional port m Fixed port Selected port Aggregation port						
Apply Refresh Mirroring Group Not S	elected *					
Mirroning Port List						
Mirroring Group		Source Port	Destination Port	Edit		
1		358	4	HISS Frevious (1) Next Last		
	Port Mirroring         Description: Port mirroring is used to send refunctive traffic from multiple source ports.         Note: A port appropriation group cannol be set as a destination or source port.         1       3       5       7       0       11       15       71       0       12       25       27         2       4       5       7       0       11       15       71       0       12       25       27         2       4       8       10       15       71       0       23       25       27         2       4       8       10       12       15       20       22       24       20         2       4       8       10       12       15       20       22       24       20       20         Cotional port       Fried port       Selected port       Apprepation port       15       17       10       21       25       27       24       25       27       24       25       27       24       25       27       24       25       27       24       25       27       24       25       27       24       25       27       24       25       27       27	Port Mirroring         Description: Port mirroring is used to send network traffic from multiple source ports to a destination port. Network analyzers can be come Nete: A port aggregation group cannol be at as a destination or source ports. The destination and source ports cannot be the source ports. Several port (Several multiple source ports to a destination or source port. The destination and source ports cannot be the source port. Several multiple source ports to a destination or source port. The destination and source ports cannot be the source port. Several multiple source ports and the offen and source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be the source port. Several multiple source ports cannot be cannot be come.         1	Port Mirroring         Description: Port mirroring is used to send referent traffic from muticles cource port to edefination port Network analyzes: can be connected to the destination port to analyze network traffic.         Note: A not aggregation group cannot be set as a destination or source port. The destination and cource ports cannot be the source and destination port muticle setted to the setted t	Port Mirroring         Description: Fort mirroring is used to see in the function or source port. The destination port Network analyzers can be connected to the destination or to analyzer feation thats.         Notice the source port. Selecting multiple source port can affect the device performance.)         Optimizer or the destination or source port analyzer can affect the device performance.)         Optimizer or the destination or source performance.)         Optimizer or the destination or source performance.)         Optimizer or the destination or the destinated the destination or the destination or th		

Figure 3-21: Delete port mirroring group

	Current User:admin				e e	b Log Ou
System Home	Port Mirroring					
Quick Configuration	Descriptions: Port mitroring is used to send network traffic from multiple source ports to a destination port Network analyzer can be connected to the destination port to analyze network traffic. Note: A port appreption group carried be set as a destination or source port. The destination and source port, carried be the same. Both a source and destination port must be selected for this feature to work correctly.					
Basic Settings	Choose the source port: (Selecting multiple source ports can affect the device p	performance, (				
Storm Control Flow Control Port Aggregation						
Port Mirroring	Coptional port. Prived port Selected port Aggregation port SI Mirroring Group	Select all Select all others Cancel				
Port Isolation	Choose the destination porticinose only one port					
+ VLAN Management	$\begin{smallmatrix} 1 & 2 & 5 & 7 & 9 & 11 & 15 & 17 & 18 & 27 & 23 & 26 & 77 \\ \hline $					
+ System Management	Cotional port Rived port Relected port					
+ QoS	Apply Refresh Mirroring Group Not Selected •					
+ EEE	Mirroring Port List					
	Mirroring Group	Source Port	Destination Port		Edit	
				First Previous [1] N	ext Last1	/ 1Page

Figure 3-22: Deleted successfully port mirroring

Remove port mirroring configuration steps are as follows:

Step1:In the image you want to modify the operation of the group column, click ""; step2:In the panel, click Cancel the source port, destination port and then click Cancel;step3:In the panel, click Cancel the source port, destination port and then click Cancel;step4:Click "Apply"

## 3.6 PORT ISOLATION

#### 3.6.1 VIEW PROT ISOLATION

Click "Port Management" "Port Isolation" view of the switch:

	Current Userzadmin		🖒 Log Out
System Home	Port isolation		
Ouick Configuration  Port Management Basic Settings Stem Cottrol Fase Control Port Agrigation Port Speed Limit Port Port Port Port Port Port Port Port	Description: First, cloc the Edit (can for the port you want to values than the table beam. The port Notice: You much doi: the Edit (can four the configure port bacadion Select a port to configure 1 \$ 5 ? ? \$ 10 \$ 10 \$ 10 \$ 20 \$ 20 \$ 27 \$ 2 \$ 4 \$ 6 \$ 10 \$ 10 \$ 11 \$ 10 \$ 20 \$ 20 \$ 20 \$ 20	mage with on gray. Next, select the porto; you want to boline from the port selected. The looked port mages()	will be Blue. Finally, click 'Apply' The installed porton will now appear in the table.
+ Fault / Safety	Port List		
+ System Management	Port	isolated State	Edd
+ QoS	1	Doabled	2
+ EEE	2	Disabled	2
	1	Disabled	2
		Doubled	2
	5	Disabled	2
		Detailed	2
	7	Dipatient	2
	4	Disabled	2
		Duabled	2
	10	Disased	2
			First Previous [1] [2] [3] Next Las(1 / 3Page

Figure 3-23: View the port isolation

## 3.6.2 CONFIGURE THE PROT ISOLATION

Select the port(s) you want to isolate from each other.Click the port isolation type button "ON",lat click "Apply".We can view the port you configure ok.

	Current Uner:admin		🔘 Log Os
System Home	Port Isolation		
Quick Configuration	Description: First, thick the 'Edit con for the part row ward to popule from the taple below. The	port maps will ken pay have, seed the portion you wait to potent how the port selected. The solated port maps	to will be blue. Finally, citic 'Apply'. The solated ponts will new appear in the label
- Port Management	Notice: You must click the Tidit icon first to configure port location		
Basic Settings	Select a port to configure:		
Storm Control	1 1 5 1 9 1 0 5 7 9 2 2 2		
Flow Control	35555555555500		
Part Aggregation Port Mimorina	2 4 8 8 10 12 14 18 18 20 22 24 28 28		
Port Isolation	Cotonal port Fired port Selected port CApproprior port Select all Select	d others Cancer	
Pert Speed Limit	Cort Isolation Type: On •		
+ VLAN Management	Apply		
+ Fault / Safety	Port Lat		
+ System Management	Port	Isolated State	Lot
+ QoS	1	Daused	2
+ EEE	2	Deated	
	1	Dealled	2
	4	Diated	2
		Divebied	2
	4	Deatier	1
		Dealerd	2
		Disabled	2
	1 ·	Deated	2
	-19	Duaties	4
			First Previous [1] [2] [3] Nerd Lasts 13Page



#### 3.6.3 EDIT THE PORT ISOLATION

Click"Edit", you can change the port isolation type then click the button "Apply".

	Current Usecadmin		🔮 Log Out
System Home	Port isolation		
Quick Configuration - Port Management Basic Settings	Description: First, click the 'Edit' con for the port you want to isolate from the table below. The por Notice: You must click the 'Edit' con first to configure port isolation Select a port to configure:	It image without gray. Next, select the port of you want to souge from the port selected. The violated port image	(d) will be busin 'Finally, Sick' Apply'. The isolated port(b) will now appear in the lable
Storm Control Flow Control Port Aggregation	1 3 3 7 9 11 10 15 17 10 21 22 25 27 CCCCCCCCCCCCCCCCC 5 5 5 5 10 12 14 16 16 20 22 14 18 28		
Port Mirroring Port Isolation Port Speed Limit	C Optional pont Select all Select	amers Cancel	
+ Fault / Safaty	Port List		
+ System Management	Post	isolated State	Edit
+ Oos	1	Delated	2
+ EEE	2	Ensteles	1
There	3	Dinabled	2
	4	Disabled	2
	5	Disabled	2
	*	Disazond	2
	7	Distabled	2
		Cinabled	2
	9	Disabled	2
	10	Dicabled	2
			Felt Previous [1] [2] [5] Next Las(1 / 3Page

Figure 3-25: Edit the port isolation

# 3.7 PORT SPEED LIMT

#### 3.7.1 VIEW PORT RATE LIMITING

Click "Port Management" "Port Speed Limit" switch to view the current port speed configured information:

	Current Usercadmin				🖒 Log Out	
System Home	Port Speed Limit					
Quick Configuration – Port Management Basic Settinge	Description: Select the port(s) you want to confi Notice: 1000K2op = 1Mbp3 Select a port to configure	pure. Click on individual ports or click and drig the m	icuse to select multiple ports			
Storm Control Flow Control Port Aggregation						
Port Minoring Root Isolation	Optional port Proed port Selected po	rt 🛐 Appregation port Select all Select all other	rs Cancel			
Port Speed Limit + VLAN Management	Input Speed Limit:	Macmum.	The just side for the Minerum speed limit value, the	i ngrti end to the Maximum emit valuel. It's no speed limit.		
+ Fault / Safety	Output Speed Limit:	Marànum	The left side for the Minimum speed limit value, the	right end to the Maximum limit velue, it's no speed limit.		
+ System Management	Tracked Lint Lis					
+ QoS	Port	Input Speed Limit		Output Speed Limit	Edit	
+ ===	1	MAX		MAX	2	
	2	MAX		MAX	2	
	1	MAX		MAX	2	
		MAX		MAX	2	
	5	MAX		MAX	1	
		MAX		MAX	2	
	7	MAX		MAX	3	
	1	MAX		MAX	2	
	9	640X		MAX	2	
	10	MAX		MAX	2	

Figure 3-26: View Rate Configuration information

In the port speed list which shows the current speed limit switch attribute configuration information:

Port: The number of the port;

Input limit: uplink port speed;

Output speed: port downstream rate;

## 3.7.2 CONFIGURE PORT ACCESS RATE

Select the panel to set the speed limit of the port, set the rate limit value by dragging the speed

Bar.				
and the second secon	Current Usercadmin			🔮 Log Cut
System Home	Port Speed Limit			
System Home Quick Configuration Port Management Basic Settings Stam Control Port Aggregation Port Aggregation Port Speed Lim P	Description:: Send the politik you want to confi Mexice: 100000pe = Mage: Select a port to configure 1 0 0 7 0 11 0 0 7 0 2 4 6 0 10 12 0 10 0 0 Control configure Control configure Control configure Control configure Configure Speed Limit: Configure Speed Limi	pues Cick on nandouil pots or cick and drag the mouse to select multiple pots.	nt value, the right and to the Maximum limit value. If I no speed limit, ni value, the right and to the Maximum limit value, if I no speed limit.	
+ Q05	Port	Input Speed Land	Output Speed Limit	Edit
+ EEE	1	MAX	/M6X	7
	2	MAX	MAX	1
	3	MAX	MAX	7
	4	MAX	MAX	2
	8.	825.792Modu	869 920MbKin	1
	8.	MAX	MAX	1
	7	MAX	MAX	1
	. 6.	MAX	MAX	1
	9	MAX	MAX	4
	10	MAX	MAX	2

Figure 3-27 Configure port rate limiting entrance

Port Speed Limit Lini			
Port	Input Speed Limit	Output Speed Limit	East
,	MAX	MAX	2
2	MAX	MAX	2
3	MAX	MAX.	2
A.,	MAX	МАХ	2
8	825.7924lbit/s	689 920Mbitz	2
0	MAX	MAX	1
7	94X	Max	2
8	MAX	MAX	2
0	MAX	ANAX	2
10	MAX	MAX	2
			First Previous [1] [2] [3] Next Lasts   3Fage

#### Figure 3-28: Port entrance speed limit results

Entrance port rate limiting configuration steps are as follows:

Step1: Click on the right side of the port " Icon or select multiple icons;

step2:Set rate limiting strip port value;

step3:Click the lower right corner "Apply" button to complete the configuration.

## 3.7.3 REMOVE THE PORT SPEED LIMIT

Click the need to remove the limit on the right port icon " in the configuration area of the port rate value pull bar to the far right, "Apply" to complete the operation.

	Current User:admin			🙆 Log Dut
Quick Configuration - Port Management Basic Setting Stam Control Pior Aggregation Port Aggregation Port Monoig Port Isolation Port Systel Limit - VLAN Management - Fault / Safery	Operative:         Select the poticity or well be Notice:         10000ape = 1Mpcs           Select a port b configure         1         0         7         0         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1         1         9         1	configure. Click on individual ports or click and along the mou 7 the 21 23 25 27 1 2 2 2 2 2 4 2 2 20 et port ① Aggregation port Select all solence all others et port ① Aggregation port Select all solence all others et port ① Aggregation port Select all solence all others et port ① Aggregation port Select all solence all others	ee is select multiple pole. Easont The kell sole for the Manmunt speed limit value, this right and to the Maximum limit value, it is no speed limit. The kell sole for the Manmunt speed limit value, this right and to the Maximum limit value, it is no speed limit.	
+ System Management	Port Speed Limit List			
+ QoS	Port	input Speed Limit	Output Speed Limit	Edit
+ EEE		MAX	MAX	2
	2	MAX	MAX	2
	3	MAX	MAX	2
	A	MAX	MAX	1
	.5.	825 792Mol/10	585 920Mbhrs	2
	6	MAX	MAX	2
	7	MAX	мах	1
	8	MAX	MAX	2
	4	MAX	MAX	2
	10	MAX	MAX	2
				First Previous (1) (2) (3) Next Lasts / 3Page

#### Figure 3-29: Remove the port speed limit

Remove uplink port rate limiting steps are as follows:

Step1:Click on the right side of the port 2 icon; step2: In the area of the port rate configuration value rate strip pulled to the far right;step3: Click the "Apply" button to complete the configuration.

# **4 VLAN MANAGEMENT**

## 4.1 VLAN MANAGEMENT

## 4.1.1 CHECK VLAN CONFIGURATION INFORMATION

Click on the navigation bar "VLAN Management" "VLAN information "Vlan Management" to view the switch configured:

	Current Unercadinal						🕑 Log Out
System Home Quick Configuration	VLAN Settings Port Mail						
+ Port Management	Motice. VLAN can only increase and its	en ance.					
- VLAN Management VLAN Management		ANID	VLAN Name	Tag Port	Unitag Prot	54	
Voice VLAN Surveillance VLAN	🔾 New VLAN 🥥 Deleta VLAN		100		148	First Freeman (1) Need Land	/ tPage
+ Fault / Safety							
+ System Management + QoS							
+ EEE							

#### Figure 4-1: VLAN configuration information

In the VLAN list which shows the properties of the configuration information of the current switch VLAND:

1.VLAN ID: VLAN ID value is displayed;

2.VLAN Name: The name of the VLAN, the default VLAN ID to name;

3.VLAN IP address: Displays the switch's management IP;

4.Port: Displays the port VLAN that exist.

5.By default, all ports belong to VLAN 1.

## 4.1.2 ADDING A VLAN

Click "NEW VLAN" button, you can increase the VLAN configurations:

	Carrent User-admin		🖞 Log Out
System Home Quick Configuration + Port Management - VLAN Management VLAN Management Vales VLAN Surveilance VLAN + Fault / Safety + System Management - QoS + EEE	VLAN Settings: PortMode	We VLAN         VLAN R0(5-4041):         VLAN R0(5-4041):         VLAN R0(5-4041):         Seitca ta Dgorto sodo So the VLAN         1 3 5 7 8 413 16 57 19 21 22 24 25 25         2 4 6 8 10 21 16 17 19 21 22 24 25 25         2 4 6 8 10 21 16 17 19 21 22 24 25 25         2 4 6 8 10 21 16 16 18 22 24 25 25         2 4 6 8 10 21 16 16 18 22 24 25 25         2 4 6 8 10 21 16 17 19 21 22 25 25         2 4 6 8 10 21 16 18 19 22 24 25 25         2 6 7 9 17 19 11 20 22 25 27 27         2 6 7 9 17 19 11 20 22 25 27 27         2 6 7 9 17 19 11 20 22 25 27 27         2 6 7 9 17 19 11 20 23 25 77         2 6 7 9 17 19 11 20 23 25 77         2 6 7 9 17 19 11 20 23 25 77         2 7 9 17 19 11 20 23 25 77         2 7 9 17 19 11 20 23 25 77         2 7 9 17 19 11 20 23 25 77         2 8 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 24 20 20         2 9 10 10 10 20 22 20 20 20         2 10 10 10 20 22 20 20 20         2 10 10 10 20 20 20 20 20 20 20 20 20         2 10 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	
			74988. 6588

Figure 4-2: Adding a VLAN

Adding a VLAN, follow these steps:

Step1:Click "NEW vlan" connection;

step2:Value added VLAN ID of the page to fill in and select a tag or untag port to add to the VLAN: step3:Click the "Apply" button to complete the configuration.

## 4.1.3 REMOVE VLAN

#### 4.1.3.1 SINGLE VLAN DELETE

To delete the selected VLAN, click the "X" button to delete the selected VLAN, if the vlan have port please remove the port from the vlan fist.

	Current	User:admin				Ů
System Home	VLAN Settings	Port Mode				
Quick Configuration	VLAN					
+ Port Management	Notice: VLAN can or	ily increase one item once.				
- VLAN Management		VLAN ID	VLAN Name	Tag Port	Untag Port	Edit
VLAN Management		1	default		1-4,6-28	2
Surveillance VLAN	2	2	vlan2		5	2 ×
	🔇 New VLAN 🤤	Delete VLAN				First Previous [1] Next Last1

Figure 4-3: Delete a single VLAN

#### 4.1.3.2 DELETE MULTIPLE VLAN

First select the VLAN you want to be deleted before the "" checkbox, then click "Delete VLAN" button to delete the selected VLAN:,notice:if the vlan have port please remove the port from the vlan first else the system will be delete the vlan have no ports.

ystem Home	VLAN Settings	Port Mode				
uick Configuration	VLAN					
Port Management	Notice: VLAN can or	ily increase one item once.				
VLAN Management		VLAN ID	VLAN Name	Tag Port	Untag Port	Edit
/LAN Management		1	default		1-4,6-28	2
urveillance VLAN		2	vlan2		5	2 8
	V	3	vlan3			2 2
	🗿 New VLAN 🧔	Delete VLAN				First Previous [1] Next Last



Delete multiple VLAN, follow these steps: Step1:Select you want to delete VLAN check box; setp2:Click on the bottom left "Delete VLAN" connection; step3:Confirm delete.

## 4.1.4 EDITING VLAN

#### 4.1.4.1 CHANGE PORT TO A VLAN

Click on the icon can be added to the selected port in the VLAN:

VLAN Settings	Port Mode			
VLAN				
Nonzer VLAN can o	nly increase one dem once	Edit VLAN		
	VLAN ID	VLAN ID(1-4094): 3 * VLAN name(1-31): V1an3 Select a tag port to add to the VLAN:	fag Port :4,6:28	Edit.
I Now VLAN	E Elefete VLAN	1 3 5 7 9 11 13 15 17 19 21 23 25 27 2 4 6 8 10 12 14 16 16 20 22 24 26 28	5	First Previous [1] Next Las
		Copional port 🔤 Fixed port 🚘 Selected port 🏠 Aggregation port 🚉 Trunk Port Select all others Cancel Select a untag port to add to the VLAN:		
r		1 3 5 7 9 11 13 15 17 19 21 23 25 27 2 2 2 2 2 7 2 3 5 7 5 7 2 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5		
		Optional port 🔄 Fixed port 🚰 Belected port 🛐 Aggregation port 🔄 Trunk Port. Select all Select all others Cancel     Apply Fixe		

Figure 4-5: Change the port to the VLAN

Add the port to the VLAN, follow these steps:

Step1:Click" 2 "icon.

step2:Selected to join the ports in the port panel.

step3:Click the lower right corner "Apply" button to complete the configuration.

## 4.1.4.2 TO REMOVE THE PORT FROM A VLAN

Click on the icon, you can remove the port from this VLAN:

VLAN ID(1~4094); 3	ort	Erfi
VLAN name(1-31): vlan3	2.28	200
1 3 5 7 9 11 13 15 17 19 21 23 25 27		
		2
2 4 6 8 10 12 14 16 18 20 22 24 26 28		First Frévious [1] Next La
Optional port 🚍 Fixed port 🚘 Selected port 🛐 Aggregation port 💭 Trunk Port Select all Select	all others Cancel	
? Optional port 💼 Fixed port 💼 Selected port 抗 Aggregation port 🖳 Trunk Port Select all Select Select a untag port to add to the VLAN:	all others Cancel	
Coptional port 출 Fixed port 중 Selected port 1 Aggregation port 2 Trunk Port Select all Select Select a untag port to add to the VLAN:	all others Cancel	
Coptional port Carlot Pixed port Carlot Select all Select Select a untag port to add to the VLAN: 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	all others Cancel	

Figure 4-6: To remove the port from the VLAN.

Procedure to remove the port from VLAN as follows:

Step1:Click on the icon " ?;

step2:Remove the port to the vlan on the port panel;

step3:Click on the lower right corner of the "Apply" button to complete the configuration;

## 4.1.5 VIEW PORT MODE

Click on the "Vlan Management" "port mode" view switches has been configured trunk port information:

Notice:

1.Access: This mode port can only belong to one VLAN, you can transmit packets of the VLAN, the default is VLAN 1, is generally used with the terminal directly connected;

2.Trunk: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can only transmit data frames of tap type (Native VLAN to untag type transmission), generally used in conjunction with other switches in the network;

3.Hybrid: This mode port can belong to multiple VLAN, can transmit multiple VLAN packets, can transmit data frames both tag type and untag type;

4. When a trunk or hybrid port mode, it will only allow the default Native VLAN through with untag types of data frames.

System Home	VLAN Settings Port Mode			
Quick Configuration				
+ Port Management - VLAN Management	Note: 1 Access: This mode port can only belong to or 2. Trunk: This mode port can belong to multiple VLAN, 3. Hybrid: This mode port can belong to multiple VLAN 4. When the port is changed to Trunk mode, it will be re	a VLAN, you can transmit packets of the VLAN, the default is VLAN 1, is generally used with can transmit multiple VLAN packets, can only transmit data frames of Tag type (Native VLA) can transmit multiple VLAN packets, can transmit Tag or Untag packet frame moved from the previous Untag vian.	th the terminal directly connected. W to Untag type transmission ) , generally used in conjunction with other switches in the network.	
VLAN Management	Select a port to configure			
Voice VLAN Surveillance VLAN	1 3 5 7 9 11 13 15 17 19 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
+ Fault / Safety	Optional port Selected port CAgregation p Port Mode: Hybrid  Apply	nt [] Trunk Port Selectall Selectall others Cancel		
+ System Management	Port	Port Mode	Native VLAN	Edit
+ System Management	Port.	Port Mode	Native VLAN 1	Edit
+ System Management + QoS	Port 1	Port Mode Access Access	Native VLAN 1 1	Edit
+ System Management + QoS	Port 1 2 3	Port Mode Access Access Access	Native VLAN 1 1 1	Edit
+ System Management + QoS	Port 1 2 3 4	Port Mode Access Access Access Access Access Access	Native VLAN 1 1 1 1 1	Edit
+ System Management + QoS	Port 1 2 3 4 5	Port Mode Access Access Access Access Access Access Access Access	Native VLAN 1 1 1 1 1 1 2	Edit

Figure 4-7: View port mode information

Displayed in the port mode list is the property value of the port configuration of the current switch:

1.the port default mode is hybrid;

2. The native default is vlan 1;

## 4.1.6 CHANGE THE PORT MODE IS TRUNK

Select one or more ports you want to change the mode :

VLAN Settings Port Mode			
Note: 1.Access: This mode port can only belong 2.Trunk: This mode port can belong to multiple VI 3.Hybrid: This mode port can belong to multiple V 4.When the port is changed to Trunk mode,it will	to one VLAN, you can transmit packets of the VLAN, the default is VLAN 1, is generally used with the terminal d LAN, can transmit multiple VLAN packets, can only transmit data frames of Tag type (Native VLAN to Unitag type LAN, can transmit multiple VLAN packets, can transmit Tag or Unitag packet frame. be removed from the previous Unitag vian.	rectly connected. transmission $)$ , generally used in conjunction with other switches in the network	
Select a port to configure           1         3         5         7         9         11         13         15         17         1           1         3         5         7         9         11         13         15         17         1           2         3         5         7         9         11         13         15         17         1           2         4         6         8         10         12         14         16         16         2           1         Optional port         Selected port         Aggregat           Port Mode:         Trunk         1 <td< th=""><th>9 21 23 25 27 2 2 2 2 2 2 2 2 0 22 24 25 28 ton port 7 Trunk Port Select all Select all others Cancel Native VLAN: 1 (1-4094)</th><th></th><th></th></td<>	9 21 23 25 27 2 2 2 2 2 2 2 2 0 22 24 25 28 ton port 7 Trunk Port Select all Select all others Cancel Native VLAN: 1 (1-4094)		
Port	Port Mode	Native VLAN	Edit
1	Access	(1)	2
2	Access	1	1
3	Access	4	
4	Access	1	2
5	Access	2	2
6	Access	1	2

#### Figure 4-8: Trunk

The steps to change the port mode as follows:

Step1:Select one or more ports to configure;

step2:Change the port mode from hybrid to trunk;

step3:Set this port native VLAN that you have created;

step4:Click the "Save", complete the change.

#### 4.1.7 CHANGE THE PORT MODE IS ACCESS

Select one or more ports you want to change the mode :

Notice: When you want to create a new vlan , the port mode is access can not be set up tag.

VLAN Settings Port Mode			
Note: 1 Access: This mode port can only belong to 2. Trunk: This mode port can belong to multiple VLAN 3. Hybrid. This mode port can belong to multiple VLAI 4. When the port is changed to Trunk mode, it will be it	ne VLAN, you can transmit packets of the VLAN, the default is VLAN 1, is generally used v I, can transmit multiple VLAN packets, can only transmit data frames of Tag type (Native VL N, can transmit multiple VLAN packets, can transmit Tag or Untag packet frame emoved from the previous Untag vian.	Ith the terminal directly connected. W to Untag type transmission ) , generally used in conjunction with other switches in the network:	
Select a port to configure			
1 3 5 7 8 11 13 15 17 19 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21 23 25 27 2 21		
C Optional port Selected port Aggregation	port [] Trunk Port Select all Select all others Cancel		
Port Mode: Access	Native VLAN: I (1-4094		
Port	Port Mode	Native VLAN	Edit
4	Access	t	
2	Access	t	2
3	Access	1	2
4	Access	1	2

Figure 4-9: Change the port mode is access

## 4.2 VOICE VLAN

#### 4.2.1 VIEW THE VOICE VLAN CONFIGURATION

Click the "VLAN Management""Voice VLAN", you can view the voice vlan global information:

System Home	Voice VLAN Global	Voice VLAN Port	Voice VLAN OUI	Voice device address	
Quick Configuration	Voice VLAN Global				
+ Port Management	Note: Surveillance VLAN ID	and Voice VLAN ID can not b	e the same.		
<ul> <li>VLAN Management</li> <li>VLAN Management</li> </ul>	Voice VLAN Voice VLAN ID(2-	State: OFF			
Voice VLAN Surveillance VLAN	Voice VLAN	CoS: 5	▼ min		
	Apply	5555). <u>120</u>			

#### Figure 4-10: View the voice vlan configuration

#### 4.2.2 ENABLE THE VOICE VLAN

Click the button " Turn ON, enable the voice vlan and input a exited vlan. Last click "Save" button. Voice VLAN ID and Surveillance VLAN ID can not be the same.

System Home	Voice VLAN Global	Voice VLAN Port	Voice VLAN OUI	Voice device address
Quick Configuration	Voice VLAN Global			
Port Management	Note: Surveillance VLAN ID	and Voice VLAN ID can not b	e the same.	
VLAN Management	Voice VLAN	State: ON		
Voice VLAN	Voice VLAN ID(2-	1 CoS: 5	-	
Surveillance VLAN	Aging Time(1-6	5535): 720	min	
	Арріу			

Figure 4-11: Enable the voice vlan

## 4.2.3 CONFIGURE THE VOICE VLAN PORT

Click the "VLAN Management""Voice VLAN""Voice vlan port "Configuration the voice vlan port you should select the port mode is trunk or hybrid, the port join in the voice vlan mode type can be untag or tag or manual.

System Home	Voice VLAN Global Voice VLAN Port	Voice VLAN OUI Voice device address	
Quick Configuration	Voice VLAN Port		
+ Port Management	Note: The port must be in Layer 2 Hybrid or Trunk mod	e and Access mode can only be configured in manual mode.	
VLAN Management VLAN Management Voice VLAN Surveillance VLAN	Select a port to configure:           1         3         5         7         9         11         13         15         17         19         2           1         1         15         17         19         2         2         1         13         15         17         19         2           2         1         1         1         15         17         19         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         3         3         3         3         3         2         2         2         4         6         8         10         12         14         16         18         20         2         2         7         Optional port          To prove the set of	Aggregation port Select all Select all others Cancel	
+ Fault / Safety			
+ System Management	voice port list		
+ QoS	Port	State	Mode
	1	Disabled	AutoTag
	2	Disabled	AutoTag

Figure 4-12: Enable voice vlan on port

When you want to change port mode or state add to VLAN ,we can click "Edit" button, change the port state or mode ,when you complete configuration, click "Save".

Voice VLAN Global Voice VLAN Port	Voice VLAN OUI Voice device address		
Voice VLAN Port			
Note: The port must be in Layer 2 Hybrid or Trunk mode	and Access mode can only be configured in manual mode.		
Select a port to configure:			
	23 25 27		
2 4 6 8 10 12 14 16 18 20 22	24 26 28		
C Optional port E Fixed port Selected port	Aggregation port Select all Select all others Cancel		
State: Enabled	Madai Autolistan		
Apply	mode, Autointag		
voice port list			
Port	State	Mode	Edit
1	Disabled	AutoTag	
2	Disabled	AutoUntag	1
3	Disabled	AutoTag	2

#### Figure 4-13: Edit port state or mode

#### 4.2.4 VOICE VLAN OUI TABLE

Click the "VLAN Management""Voice VLAN""Voice vlan OUI" we can view the default voice vlan oui table:

Voice VLAN Global Voice VLAN Port Voice VLAN OUI	Voice device address		
Voice VLAN OUI			
OUI Address: 0000.0000.0000 Mask: 0000.0000 Description	B ohars Apply		
Voice VLAN OUI List			
OUI Address	Mask	Description	Edit
00E0.BB00.0000	FFFF.FF00.0000	зсом	Ø
0003.6800.0000	FFFF.FF00.0000	Cisco	Ø
00E0.7500.0000	FFFF.FF00.0000	Veritel	Ø
00D0.1E00.0000	FFF.FF00.0000	Pingtel	<u>@</u>
0001.E300.0000	FFFF.FF00.0000	Siemens	0
0060.B900.0000	FFFF.FF00.0000	NEC/Philips	Ø
000F.E200.0000	FFFF.FF00.0000	Huawei-3COM	Ø
0009.6E00.0000	FFFF.FF00.0000	Avaya	Ø
			First Previous [1] Next Las

#### Figure 4-14: Voice vlan OUI table

Add the oui entry, enter valid address and mask, click "Save":

Notice:

- 1. The max entry is 16.;
- 2. The oui address valid only for unicast addresses;
- 3. The mask can be all F, but 0 cannot be in front of F.

Voice VLAN OUI					
OUI Address: 0234.02ef.0000 Mask: ffff.ff00.0	000 Description: switch Apply				
Voice VLAN OUI List					
OUI Address	Mask	Description			
00E0.BB00.0000	FFF.FF00.0000	3COM			
0003.6B00.0000	FFF,FF00.0000	Cisco			
00E0.7500.0000	FFF.FF00.0000	Veritel			
00D0.1E00.0000	FFFF.FF00.0000	Pingtel			
0001.E300.0000	FFF.FF00.0000	Siemens			
0060.B900.0000	FFFF,FF00.0000	NEC/Philips			
t 000F.E200.0000	FFF.FF00.0000	Huawei-3COM			
0009.6E00.0000	FFFF.FF00.0000	Avaya			
		First			

Figure 4-15: Add Voice vlan OUI entry

## 4.2.5 VIEW THE VOICE VLAN DEVICE

When the device receives the oui entry from the port on which the voice VLAN is opened, the device is displayed in the list:

Voice VLAN Global Voice VLAN Port Voice VLAN OUI	Voice device address	
Voice device address List		
Port	Voice Device Address	Start Time
		First Previous [1] Next Las(1 /1Page



## **4.3 SURVEILLANCE VLAN**

## 4.3.1 VIEW THE SURVEILLANCE VLAN CONFIGURATION

Click on the navigation bar "VLAN Management" "surveillance VLAN" " surveillance VLAN" to view the switch configured:

Notice:Surveillance VLAN ID and Voice VLAN ID can not be the same
System Home	Surveillance VLAN Port Surveillance VLAN			
Quick Configuration	Surveillance VI AN			
+ Port Management	Notice: 1. Surveillance VLAN ID and Voice VLAN ID can not be the same			
VLAN Management     VLAN Management     Voice VLAN     Surveillance VLAN	Surveillance VLAN: OFF Surveillance VLAN ID: (2-4094) Surveillance VLAN CoS: 5 Aging Time: 720 (1-65535 min) Apply			
	MAC Settings and Surveillance Device			
+ Fault / Safety	Tip: 1. To add more device(s) for Auto Surveillance VLAN by user-defined configuration as bell 2. Maximum User-defined OUI is 16 entries.	ow.		
+ System Management	User-defined MAC Setting Auto Surveillance VLAN Summary			
+ QoS	Component Type: Video Management Server   MAC Address: (e.g. 0001 0203 0000)	Description: Mask:	(1-8 chars) (e.g. FFFF.FF00.0000)	
	Apply			

#### Figure 4-17: View the surveillance vlan device

### 4.3.2 CONFIGURE SURVEILLANCE VLAN

Click on the navigation bar "VLAN Management" "surveillance VLAN" " surveillance VLAN" to configure the switch surveillance VLAN .

System Home	Surveillance VLAN Port	Surveillance VLAN			
Quick Configuration	Succeillance VI AN				
+ Port Management	Notice: 1. Surveillance VLAN ID and	/oice VLAN ID can not be the same			
<ul> <li>VLAN Management</li> <li>VLAN Management</li> <li>Voice VLAN</li> </ul>	Surveillance VLAN: ON Surveillance VLAN ID: 3 Surveillance VLAN CoS: 5	( 2-4094 )			
Surveillance VLAN	Aging Time: 720	( 1-65535 min)			
+ Fault / Safety	Apply MAC Settings and Surveillance Dev Tip: 1. To add more device(s) for Auto 2. Maximum User-defined OUI is 16 en	ice Surveillance VLAN by user-defined configuration as tries.	below.		
+ System Management	User-defined MAC Setting	Auto Surveillance VLAN Summary			
+ QoS	Component Type: Video MAC Address:	Management Server • (e.g. 0001.0203.0000)	Description: Mask:	(1-8 chars) (e.g. FFFF,FF00,0000)	
	Component Type		Description		MAC Address

Figure 4-18: configure surveillance VLAN

To configure the surveillance VLAN steps as follows:

Step1:in the surveillance VLAN TEXT BOX ,click ON the "OFF" to "ON",

Step2:in the surveillance VLAN ID text box,enter the ID, such as 5;

step3:in the surveillance VLAN COS text box, choose 5(default is 5);

step 4:in the aging time text box, enter aging time , such as 500(default is 720min);

step 5:click on save;

### 4.3.3 MAC SETTINGS AND SURVEILLANCE DEVICE

Click on the navigation bar "VLAN Management" "surveillance VLAN" " surveillance VLAN" "MAC Settings and Surveillance Device" to configure the user-defined mac settings .

System Home	Surveillance VLAN Port Surveillance VLAN		
System nome			
Quick Configuration	1 Concentration of the second s		
+ Port Management	Surveillance VLAN Notice: 1. Surveillance VLAN ID and Voice VLAN ID can not be the same		
- VLAN Management	Surveillance VLAN:		
VLAN Management	Surveillance VLAN ID: 3 (2-4094)		
Voice VLAN	Surveillance VLAN CoS: 5		
Surveillance VLAN	Aging Time: 720 (1-65535 min)		
	Apply		
	MAC Settings and Surveillance Device		
+ Fault / Safety	Tip: 1. To add more device(s) for Auto Surveillance VLAN by user-defined configuration as below. 2. Maximum User-defined OUI is 16 entries.		
+ System Management	User-defined MAC Setting Auto Surveillance VLAN Summary		
+ QoS	Component Type:         Video Management Server         ▼         Description:         svi tob/         (1-8 chars)           MAC Address:         00+0.4200.0000         (e.g. FFFF, FF00.0000)         Mask:         FFFF, FF00.0000         (e.g. FFFF, FF00.0000)		
	Apply Component Type Description	MAC Address	Mask

Figure 4-19: configure the user-defined mac settings

To configure the surveillance VLAN steps as follows:

Step1:in the component type EXT BOX, choose video management server ;

Step2:in the description text box ,enter guest;

step 3: in the mac address text box, enter mac address , such as 0402.0011.3120;

step4 : in the mask text box ,enter the mask ,such as FFFF.F000.000;

step 5:click on save;

#### 4.3.4 PROT SURVEILLANCE VLAN

Click on the navigation bar "VLAN Management" "surveillance VLAN" "Port Surveillance VLAN" to view the information:

	Surveillance VLAN Port Surveillance	VLAN	
F	ort Surveillance VLAN		
N	te: The port must be in Layer 2 Hybrid or Trunk mode	and Access mode can only be configured in manual mode.	
1	Select a port to configure:		
	3 5 7 9 11 13 15 17 19 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	23 25 27 23 25 27 24 26 28	
Ω	Optional port 📄 Fixed port 💼 Selected port 🛐	Aggregation port Select all Select all others Cancel	
A	Status: Do Not Modify •	Mode: Do Not Modify	
F	ort Surveillance VLAN List		
t	Port	Status	Mode
	1	Disabled	Auto
	2	Disabled	Auto

Figure 4-20: view the port surveillance vlan information

# Configuration the port surveillance vlan ,set the port stats and mode :

Surveillance VLAN Port Surveillance V	'LAN	
Port Surveillance VLAN		
Note: The port must be in Layer 2 Hybrid or Trunk mode Select a port to configure:	and Access mode can only be configured in manual mode.	
1       3       5       7       9       11       13       15       17       19       21         1       1       1       1       1       15       17       19       21         1       1       1       1       15       17       19       21       12       12       12       12       12       12       14       16       18       20       22       17       Optional port       Exceed port       17       4       14       16       18       20       22       14       16       18       20       22       16	23 25 27 24 25 28 24 25 28 oggregation port Select all Select all others Cancel Mode: Auto	
Port	Status	Mode
1	Disabled	Auto
2	Disabled	Auto
3	Disabled	Auto
4	Disabled	Auto

Figure 4-21: configure the port surveillance vlan

# 5 FAULT / SAFETY

## **5.1 ATTACK PREVENTION**

## 5.1.1 ARP INSPECTION

## 5.1.1.1 VIEW ARP CONFIGURATION

Click the "Fault/Safety" "Attack Prevention" "ARP Inspection" to check the current switches has been configured for ARP information:

Figure 5-1: View port ARP configuration information

				42	
40					
System Home	ARP Inspection	Port Security	DHCP Snooping	CPU Guard	
Quick Configuration	ARP Inspection				
Port Management	Description: To protect r	network resources the Af	RP Spoofing function will bloc	k illegal ARP messages and prevent A	RP flood attacks

#### 5.1.1.2 ARP INSPECTION FUNCTION

In the ARP inspection configuration, select a or multiple ports set up the rate limit, trust status, Rate Packet Limit, Validate, Destination MAC Check, Source MAC Check, IP Check, Allow Zeros, then click the "Apply" button to complete the configuration prevent ARP deception.

ARP Inspection				
escription: To protec RP Inspection: This	t network resources, the AR feature can be used to prote	P Spoofing function will blo ct equipment from ARP atta	ck illegal ARP messages and prevent ARP flo acks.	ood attacks.
After en	abling ARP Inspection, you	can select trusted ports.		
Select a	port to configure			
1 3 5 7 9	9 11 13 15 17 19	21 23 25 27		
	lagad			
38888	3월27월27			
3 4 6 6 4	0 40 44 46 40 00	22 24 26 29		
2 4 6 8 1	0 12 14 16 18 20	22 24 26 28		
2 4 6 8 1	0 12 14 16 18 20	22 24 26 28	lect all Select all others Cancel	
2 4 6 8 1	0 12 14 16 18 20 ixed port 🚰 Selected port Rate Limit: Disabled	22 24 26 28 517 Aggregation port Sel	lect all Select all others Cancel	(1-50 pps)
2 4 6 8 1	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled	22 24 26 28	Rate Packet Limit: Validate: @Dst-MAC @JP	(1-50 pps) ØSrc-MAC
2 4 6 8 1 Coptional port T F	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled	22 24 26 28	Rate Packet Limit: Validate: @Dst-MAC @IP Source MAC Check: Disabled	(1-50 pps) Øsrc-MAC
2 4 6 8 1 Coptional port	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled IP Check: Disabled	22 24 26 28	Rate Packet Limit: Validate: @Dst-MAC @IP Source MAC Check: Disabled Allow Zeros: Disabled	(1-50 pps) Src-MAC T
2 4 6 8 1 Coptional port T F Destination	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled IP Check: Disabled	22 24 26 28	Rate Packet Limit: Validate: @Dst-MAC @IP Source MAC Check: Disabled Allow Zeros: Disabled	(1-50 pps) Src-MAC
2 4 6 8 1 COptional port The F Destination	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled IP Check: Disabled	22 24 26 28	Rate Packet Limit: Validate: ©Dst-MAC ©IP Source MAC Check: Disabled Allow Zeros: Disabled	(1-50 pps) Øsrc-MAC V
2 4 6 8 1 C Optional port The F Destination Apply State of the ARP table	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled IP Check: Disabled	22 24 26 28	ect all Select all others Cancel Rate Packet Limit: Validate: ©Dst-MAC ©IP Source MAC Check: Disabled Allow Zeros: Disabled	(1-50 pps) Øsrc-MAC V
2 4 6 8 1 Coptional port T F Destination Apply State of the ARP table Port	0 12 14 16 18 20 ixed port Selected port Rate Limit: Disabled Trust Status: Disabled MAC Check: Disabled IP Check: Disabled Ie Trust Status	22 24 26 28 51 Aggregation port Set V V Rate (pps)	ect all Select all others Cancel Rate Packet Limit: Validate:  Dist-MAC  IP Source MAC Check: Disabled Allow Zeros: Disabled Source MAC Check	(1-50 pps) Øsre-MAC T

Figure 5-2: ARP inspection configuration

ARP inspec	tion Port Security	DHCP Snooping C	PU Guard				
ARP Inspectio	n						
Description: To ARP Inspection	protect network resources, the ARP s This feature can be used to protect	Spoofing function will block illega equipment from ARP attacks.	I ARP messages and prevent ARP flood attacks.				
ON A	fter enabling ARP Inspection, you car	n select trusted ports.					
s	elect a port to configure						
	7 9 11 13 15 17 19 5 1 1 1 13 15 17 19 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21 23 25 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
C7 Optional port	Fixed port Selected port	17 Aggregation port Select all	Select all others Cancel				
	Data Limite Facilitad						
	Truet Status: Enabled	• Rate	Validate: Volt-MAC VIP Str-MAC				
Desti	nation MAC Check: Enabled	<ul> <li>Source</li> </ul>	MAC Check: Enabled				
	IP Check: Enabled	•	Allow Zeros: Enabled 🔹				
Apply							
State of the AF	RP table						
Port	Trust Status	Rate (pps)	Source MAC Check	Destination MAC Check	IP Check	Allow Zeros	Edit
1	Untrusted	None	Disabled	Disabled	Disabled	Disabled	2
2	Untrusted	None	Disabled	Disabled	Disabled	Disabled	1
3	Trusted	50	Enabled	Enabled	Enabled	Enabled	
4	Untrusted	None	Disabled	Disabled	Disabled	Disabled	2
5	Untrusted	None	Disabled	Disabled	Disabled	Disabled	2
6	Untrusted	None	Disabled	Disabled	Disabled	Disabled	,

Figure 5-3: ARP inspection status table

### 5.1.1.3DISABLE ARP INSPECTION CHEAT FUNCTION

In the ARP inspection configuration table, click the button from on to off to disable the ARP inspection and then click the "OK" button to complete the configuration.

ARP Inspection	Port Security	DHCP Snooping	CPU Guard			
ARP Inspection						
Description: To protect r ARP Inspection: This fe	network resources, the AR ature can be used to prote	P Spoofing function will bloc ct equipment from ARP atta	:k illegal ARP messages a icks.	and prevent ARP fl	ood attacks.	
ON Atter enab	ling ARP Inspection, you	can select trusted ports.				
Select a p	ort to configure					
	12 14 16 18 20	22 24 26 28				
2 Optional port	ed port	51 Aggregation port Sel	ect all Select all others	Cancel	-	
	Rate Limit: Enabled	•	Rate Packet Limit: 50		(1-50 pps)	
Ir Destination M	ust status: Enabled		Source MAC Check: Er	nabled	· SIC-WAG	
Destination M	AC Check: Enabled		Allow Zeros: Er	nabled		
Apply	IP CHECK: Enabled		Allow Lorda, LI			
State of the ARP table						
		A	-			

Figure 5-4: Disable ARP spoofing function

# 5.1.1.4TO MODIFY THE PORT ATTRIBUTE

ARP Inspec	tion Port Security	DHCP Snooping	CPU Guard				
ARP Inspectio	n						
Description: To ARP Inspection	protect network resources, the AR This feature can be used to prote	P Spooting function will block it ct equipment from ARP attacks	legal ARP messages and prevent ARP flood attacks t				
ON A	der enabling ARP inspection, you o	can select trusted ports.					
s	elect a port to configure						
1 3 5	7 9 11 13 15 17 19	21 23 25 27					
2 4 6	8 10 12 14 16 18 20	22 24 28 28					
Coptional port	Fixed port P Selected port	T Appregation port Select	all Select all others Cancel				
	Rate Limit: Enabled	•	Rate Packet Limit: 50 (1-50 pps)				
	Trust Status: Enabled	•	Validate: Dist-MAC RIP Strc-MAC				
Desti	nation MAC Check: Enabled	• So	urce MAC Check: Enabled Y				
	IP Check: Enabled		Allow Zeros: Enabled *				
Apply							
State of the Ai	RP table						
Port	Trust Status	Rate (pps)	Source MAC Check	Destination MAC Check	IP Check	Allow Zeros	Edit
1	Untrusted	None	Disabled	Disabled	Disabled	Disubled.	2
2	Untrusted	None	Disabled	Disabled	Disabled	Disabled	1
3	Trusted	50	Enabled	Enabled	Enabled	Enabled	2
	all and a second se	4000	and a second				-



# 5.2 PATH DETECTION

# 5.2.1 PATH DETECTION

Click the "Fault/Safety" "path Detection" can view the ipv4 or ipv6 Path Detection configuration:

System Home	Ping Detection Tracert Detection Cable Detection
Quick Configuration	Description: Use the ping function to determine whether the network connection is functional and whether the host is read
Port Management	Destination IP 192. 168. 1. 107 *
VLAN Management	Start Test
- Fault / Safety	Test Results
Attack Prevention	PING 192.168.1.107 (192.168.1.107): 56 data bytes
Path Detection	192 168.1.107 ping statistics 4 packets transmitted, 0 packets received, 100% packet loss
DDOS Protection	
Loopback Detection	
STP	
Access Control	
IGMP	
MLD	
System Management	
1/2 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4 /	



# 5.2.2 TRACERT DETECTION

Click the "Fault/Safety" "Tracert Detection" can view the ipv4 or ipv6 Tracert Detection" Tracert Detection configuration:

System Home	Ping Detection	Tracert Detection	Cable Detection
Quick Configuration	Description:		
+ Port Management	Tracert detection can de	tect to the destination through	the gateway, the function is used to detect whether can reach the destination and t a long time (2-3 minutes), please be patient
+ VLAN Management	Destination ID or doma	in name and an and a second	a long time (2-0 timoteo), please be patient.
- Fault / Safety	Timeou	t (2-10s) 2	
Attack Prevention	Start Test		
Path Detection	Test Results		
DDOS Protection			
Loopback Detection			
STP			
Access Control			
IGMP			
MLD			
+ System Management			
1.0.0			

#### Figure 5-13: Tracert detection information

#### 5.2.3 CABLE DETECTION

Click the "Fault/Safety" "path Detection" "Cable Detection" can view the Cable Detection configuration:

	Correct User admin		💩 Lugo
System Home	Ping Detection Tracert Detection Cable Detection		
Quick Configuration	Piease select the port to detect!		
+ Port Management + VLAN Management	$\begin{smallmatrix} 1 & 1 & 5 & 7 & 0 & 0 & 0 & 0 & 0 & 0 & 21 & 22 & 22 $		
- Fault / Safety Attack Prevention	COptomal pon millions port millions pon Magnegation port Select a	Belect all others Cancel	
Path Detection DOOS Protection	Detect		
Loopback Detection	Detect Result		
STP Access Control IGMP MLD	Put	Test Result	Cabler Fault (Instance (meters)
IEEE 802.1X AAA ERPS			
+ System Management			
+ QoS			
* 555			

Figure 5-14: Cable detection information

The cable detection only selected one port:



Figure 5-15: Port cable detection result

# 5.3 DDOS PROTECTION

Click the "Fault/Safety" "DDOS Protection" can view the ddos protection configuration:

	Carrent Unioraidmin			Ö Levin
System Horse	DDOS Protection			
Quck Configuration	Do S Type Seattine Interd Attack	Prog Dealth Million	TCP Nuk fican	
+ Port Management	CTCP Knowcan	Tron and the	10 TCP first fire Part Laws (6) #	
+ VLAN Management	Apply			
- Fault / Safety				
Attack Prevention				
Path Detection				
1003 Protoclari				
Loopback Detection				
Access Control				
(GARP				
MLD.				
WHEN BERLEY				
A4A				
ERPS				
+ System Management				
+ QoS				
+ 222.				

Figure 5-16: DDOS Protection information

Selected dos type to prevent multiple computers from sending attack packets.



# 5.4 LOOPBACK DETECTION

Click the "Fault/Safety" "loop detection" can view the current loop detection configuration:

System Home	Loopback Detection		
Quick Configuration	Loopback Detection:		
+ Port Management	Time Interval (1-32767): 10 sec		
+ VLAN Management	Apply		
- Fault / Safety	Select a port to configure:		
Attack Prevention			
Path Detection			
DDOS Protection	2 4 6 8 10 12 14 16 18 20 22 24 26 28		
Loopback Detection	C Optional port 💼 Fixed port 💼 Selected port 🛐 Aggregation po	t Select all Select all others Cancel	
STP			
Access Control	State: Disabled *		
IGMP	Арріу		
MLD	Loopback Detection Port		
+ System Management	Port	Loopback Detection State	
+ QoS	1	Enabled	
	2	Enabled	
	3	Enabled	
	4	Enabled	
	5	Enabled	
	6	Enabled	

Figure 5-18: View loopback detection configuration information

# 5.4.1 ENABLE LOOPBACK DETECTION

Enable the loopback detection and configuration some parameters ,click "Save" button:

Loopba Time Inter	ock Detection:	ON	sec					
	lect a port to co	nfigure: 3 15 17 19 2 53 53 5	21 23 25	27				
ی کے کے آ 2 4 6 Optional port	ے کے کے کے کے 8 10 12 1	ے کے کے کے لائے 4 16 18 20	22 24 26 <u>1</u> Aggregatio	i 28 on port Selec	t all Select a	I others	ancel	
	State:	Disabled	•					

Figure 5-19: enable loopback detection

### 5.4.2 CHOOSE THE PORT TO CONFIGURE

Selected one or more ports to change the loopback detection status:

Loopback Detection	n				
Loopback Dete Time Interval (1-3;	ction: ON	sec			
Select a po	ort to configure:				
1 3 5 7 9 2 4 6 8 10	11 13 15 17 1	19     21     23     25     27       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       1     1     1     1     1       20     22     24     26     28			
Coptional port	d port 🚰 Selected po State: Enabled	ort [1] Aggregation por	t Select all Selec	t all others Cancel	
Apply Loopback Detection P	ort				
Port			Loopi	back Detection State	

Figure 5-20: configure ports parameter

Click "Edit" button, change the port status:

Loopback Detection: OK			
Time interval (1-32707); 10	16.		
Apply			
Select a port to configure:			
Cotional port Reed port Selected port	Appreciation port Select all Select all others Cancel		
C. Arrent C.			
State: Disabled •			
State:   Disabled • Apply Loopback Detection Port	1		
State: Disated • Asphr Logback Detection Port t Port	L oppback Detection State	Result	Edit
Angle Loopback Extension Port t Port 1	L oopback Detection State Enabled	Raduit Normal	Edit
State: Decaded • State: Decaded • State: Decaded •	Loopsack Dateston State Entend Entend	Result Normal Normal	Ed:
State: Decaded •  State: Decaded •  Coopose Detection Port  Port  1  2  3	Loopbeex Datection State Enabled Enabled Enabled	Reduit Normal Normal Normal	
State: Decaded •	Loopback Detection State Enabled Enabled Enabled Enabled Enabled	Rasut Normal Normal Normal Normal	561 2 2 2 2
State: Decaded •  State: Decaded •  Looptsot Detection Port	Loopbeck Detection State Enabled Enabled Enabled Enabled Enabled Enabled	Result Romai Nomai Nomai Nomai Nomai	161 2 2 2 2 2

Figure 5-21: change the port configure

# 5.5 STP

#### 5.5.1 STP GLOBAL

### 5.5.1.1VIEW THE STP GLOBAL INFORMATION

Click the "Fault/Safety" "STP" you can view the configuration information of the STP Global:

	Carnell Useration				🙁 Log Dar
System Home Cucic Configuration Port Management VLAN Management Pault / Safety Attack Prevention Pail: Desction DDOS Protection Loopback Delection STP Parts Prevention	STP Global STP Port Settings Scanning Tree Status Set Spanning Tree Status Spanning Tree Mode Set Spanning Tree Mode Set Status	Asely Asely			
Access Cattor Kollip MLD EEEE 602 TX AAA ERPS System Management CoS + EEE	Root Didge Root Cort Root Maximum Age ()6-401 Root Farmer Debty ()-321 Hittlo Time ()-122 Root Faint	Asphy Arphy Asphy			



### 5.5.1.2ENABLE THE STP GLOBAL INFORMATION

Enable stp global and set up the stp mode and stp traps .You can view the root bridge information on the page .Notice:LLDP PDU flooding enable prevents executing mstp enable.

	Current Userselfmet				O Lag Da
System Home	STP Global STP Fort Setting				
Quick Configuration	Spanning Tree Status Set				
+ Port Management	Spanning Tree State	Apply			
+ VLAN Management	opdu Set				
- Fault / Safety	bodu Set Floodin	g • Apply			
Attack Prevention	Spanning Tree Mode Set				
DDOS Protection	Spanning Tree Mode RSTP	Apply			
Loopback Delection	STP Traps Set				
STP Access Control	STP New Root Trap STP Topology Charge Trap	8			
IGMP	Apply				
MLD	Root Bridge Information				
AAA	Root Bridge Root Cost				
ERPS	Root Maximum Age 20	Apply			
+ System Management	Root Forward Delay 16 44	30) Apply			
+ QoS	Root Port	Apply			
+ EEE					

Figure 5-23: Change STP global status

### 5.5.1.3STP PORT SETTINGS

Select a port to configure the status eg:network、disable、edge

	c	amint User admin								😧 Log Cul
System Home	STP Global	STP Port Sattings								
Quick Configuration	STP Port Set	tings								
+ Port Management		Select a port to configure:								
+ VLAN Management - Fault / Safety Attack Prevention Data Decement		7 8 11 12 15 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	19 21 23 25 27 2	ect all Select all others. Cance	4					
DDOS Protection Loopback Defection S112		port State: Enabled BPDU Geard: Disabled Port Fast; Edge		BPOU Filter: D Root Guard: D Port Priority: 12	sabled • sabled •					
Access Control IGMP MLD	Apply Port List		-							
IEEE 802.1X	Post	PORSPANN	State	BPDU Hiter	Broo Gaaro	NOST GUARD	port state	Port Priority	HORP	EGE
ERPS		Disabled	Link dram	Disabled	Distort	Chester	erabiet	128	disabled.	-
+ System Management		Edu	Link down	Disations	Deatored	Deatord	analian	128	disased	1
+ QoS	4	Disatled	Link down	Disatived	Deated	Deated	enabled	128	quatied	
+ EEE	5	Disabled	Link down	Disabled	Disabled	Deated	enabled	128	deatiled	-
		Disabled	Line down	Disabled	Disabled	Disabled	boldene	128	disatiled	-
	7	Deatted	Link down	Disabled	Disabled	Disabled	anabled	128	disated	1
		Dealered	Link down	Disabled	Disabled	Oxabled	enabled	128	dexted	1
	9.	Disabled	Link down	Disabled	Ditabled	Disabled	enabled	128	deated	2
	-10	Disabled	Link down	Disabled	Doutsied	Deabled	enanet	128	deabled	1
									First Previous (\$102) [2] Next Latts	/ SPage

Figure 5-24: STP Port settings

### 5.6 ACCESS CONTROL

### 5.6.1 ACL ACCESS CONTROL LIST

### 5.6.1.1VIEW ACCESS CONTROL LIST

Click the "Fault/Safety" "Access Control" you can view the configuration information of the access control list:



Figure 5-25: Access control list

#### 5.6.1.2INCREASED ACCESS RULES

#### 1. Increase the standard IP access rules

Click "ACL rules New", in the pop-up dialog box, select "standard IPV4 ACL Configuration", in the list of ID:0, ID:0 ACE, rules to allow. IP address is: any source IP address. Click "Apply" to complete the new rules:

	Current Useradmin		🖞 Log Out
System Home: Quick Configuration Port Management VLAN Management VLAN Management Part / Safety Matck Prevention DoOS Protection DoOS Protection DoOS Protection DoOS Protection StP Receiption MLD IEEE 802.1X AA ERPS System Management	ACL Apply ACL The same series and the CL model in the same state takes are a processing of the CL model in the same state of the same stat	Nex ACL Rules Select Condgusteen Type: Configuration standard IP ACL • List O Select Condgusteen standard IP ACL • List O Select O Sele	er fu ki jamen in n
+ QoS + EEE			

Figure 5-:26 Configuration standard IP access control list

#### 2. Increase the extended IP access rule

Click "ACL rules New", in the pop-up dialog box, select "Expand IPV4 ACL Configuration", in the list of ACE, ID:0 ID:10, rules for "Permit"". Agreement: TCP, source IP address: any source IP address; purpose IP address: any destination IP address, click "Apply" to complete the new:

System Home	ACL Apply ACL			
Guick Configuration + Port Management + VLAN Management	$\label{eq:started} \begin{split} & D(x) (1-x) $	New ACL Rules	a and a second beau	trank and the
- Fault / Safety Attack Prevention	Description (c), On an and the second s	Select Configuration Type	Configuration Expand IP ACL • Expand IP ACL 10 •	
Pain Detection DOOS Protection STP Access Control ISMP MLD EEE 052 1X AAA ERPS		ACE ID: Rules Protocol Source IP Address Destination IP Address	JACE 9         •           Permit         •           #*         •           #*/Any Source IP address         •           @*/Bondy the P address         •	o that the manual fact
QoS EEE	2mm	Apply		

#### 3. Increasing expand MAC access rules:

Click"New ACL rules", select "Configuration Expand MAC ACL" in the pop-up window, in list ID: 20, ACE ID: 0, Rules "Deny", Source MAC address: 0088.9999.999A

Destination MAC address is the random MAC。 MAC protocol type: 0x0086。 After After the configuration is complete, click "Apply":



Figure 5-28: Configuration extended MAC access control list

Configuration instructions:

ACE ID is an optional rule. Do not fill: the default is 0;

The extended IP protocol access control list, type: TCP, UDP, IP

#### 5.6.1.3MODIFY CONFIGURATION

Rules for modifying port applications

Select the rules to be replaced, click "", enter the modified ACL rules page, the rules are: "Deny", click "Apply":

	Corrent Usercadmen		0
lystem Home	ACL Apply ACL		
luick Configuration	the day include the bar, and big is been as a part of the	and the second of the second second second second second	
Port Management	New ACL Ru	65 ·	
VLAN Management	1. Diversity of the ACL (set ) was in every 20, 20, 20, 20, 20, 20, and be-		APPAL CONTRACTOR
Fault / Safety	Seed to	Ingulation Type Computation transard in ACL	
Attack Prevention	Desperyment ACC Configuration . Let ID	Standard IP ACL 0	
Path Detection	Ann Arran Press Accide	ACE 0 •	on Anna - Hantramon Avert - Kany
2005 Protection	Rules	(Deny •)	
STP	IP Address	# Any source IP address	
Access Control		Specily the IP address	
GMP			
ALD			
EEE 802.1X			
AA.			
HP-3			
system Management	and a		
205	The second se		
EE			

Figure 5-29: To modify the ACL rule

# Configuration instructions

The modified extended MAC and extended IP for the same operation.

### 5.6.1.4DELETE RULE

To delete the rule, click "X" to delete the current list of ACE under a ACL rule:

	Curr	rent User:admin								🕑 Leg Out
System Home Quick Configuration + Port Management + VLAN Management - Fault / Safety	ACL A Description: Acc Notice: The ACL Mask; 1. A mask 2. Wrten configure New ACL Rule	pply ACL cess control lists (ACLs rule priority will follow is a matching rule Thin ing the ACL rule.)If mask	) ensure that only authorized the order of the list (i.e., 1 is in rule for a maps at 0 means (is empty or 255,255,255,25	Lusers have access to specific resol tent, 2 is second, etc.). Créating ma mait the equivalent bit does not mai 8. It's represent the rules for the hos	urces while blocking off any unwar ny rues can cause operational der ter, 1 means that the equivalent bit rt. The mask option in the ACL pag	anted attempts to reach netwarks ays insust matich is wit be amply if mask is 0.0	ork resources 0.0. Its represent the rules for the am	. And the mask option in the ACL I	cape will be any	
Attack Prevention Path Defection DOOS Protection Loopback Detection STP Access Control IGMP MLD	Displaying ACL No. 0	Configuration Stands Action Dany	erd IP ACL®	Source IP-MAC any	Source Mask	Source Port	Destination IPIMAC any	Destination Mask	Destination Port	Edt 2
IEEE 802 1X AAA ERPS System Management QoS EEE	Delete									

#### Figure 5-30: Delete rules

Remove all of the ACE rule table under a ACL, click "Delete":

	Cur	rent User admin									🖞 Log Qie
System Home Quick Configuration + Port Management + VLAN Management - Fault / Safety Attack Prevention	ACL A Description: Act Notice: The ACL Mask: 1 A mask 2 When configure New ACL Rold Displaying ACL	opply ACL orest control lists (ACLs rule priority will follow is a matching rule. The ng the ACL rule if mass the Configuration Stand	ensure that only authorize the order of the lat 0.4, 1 la rule for a mask is. 9 mean III empty or 255,255,255,25 ed IP ACL0	Swam have access to specific reso- ting 2 is elected, etc.) (Creating ma- that the equivalent bit does not mat 6, it's represent the rules for the hod	nces white blocking off any lanver y rules can cause operational dea ler. 1 means that the equivalent bit . The mask option in the ACL page	anted altempts to reach netw ryst must maket. a will be empty if mesk is 0.01	orit resources 0.0.25 represent the rules for the any	And the mask option in the ACL p	saga suit be any.		
Path Detection DIDDS Protection Logback Detection STP Access Comptil 10MP MLD IEEE 802 1X AAA ERPS Statem Management	No. 0	Action dury	Protocol	Source IPMAC	Source Mass	Source Pirt	Destination (PMAC any	Destination Mask	Destination Port	Eat	
+ QoS + EEE	Delete										

Figure 5-31: Delete ACL rules

Configuration instructions:

Delete - after the success of the kneeling in port configuration table deleted together.

#### 5.6.2 APPLICATION ACL

#### 5.6.2.1VIEW APPLICATION ACL

The configuration information and click on the "Fault/Safety" "Access Control" "Apply ACL" can view access control using ACL:

	Current Unicadimin			👶 Log Out
System Home	ACL Apply ACL			
Quick Configuration	Description: The table below shows the ACLs that	are applied to the switch ports		
+ Port Management	Notice: ACLs cannot be applied to ports on the pa	el that are gray.		
+ VLAN Management	ACL Rules Application			
- Fault / Safety Attack Prevention	Please select the ACL list: Standar Select a port to configure:	# ACLD +		
Path Detection DDOS Protection Loopback Detection				
Access Control	Cotional port. Privad port Pelected port	Apgregation port Select all Select all others Cancel		
IGMP				
MLD	Apply			
AAA	ACI.			
ERPS		ACL.	Porr	Edit
🕂 System Management		Standard IP ACL0		×
+ QoS				First Previous [1] Next Lasts. (IPage
+ EEE				



### 5.6.2.2INCREASED APPLICATION ACL

Select the rules that need to be applied, then select the port of application, click "Apply" to complete the configuration:

	Current Useradmin		😃 Log Cult
System Home	ACL Apply ACL		
Quick Configuration	Description: The table below shows the ACLs that are applied to the switch ports		
+ Port Management	Notice: ACLs cannot be applied to ports on the panel that are gray.		
+ VLAN Management	ACL Rules Application		
- Fault / Safety	Please select the ACL list Standard IP ACL0 •		
Attack Prevention	Select a port to configure:		
Path Detection			
Loopback Detection			
STP	2 4 6 8 10 12 14 16 18 20 22 24 26 28		
Access Control	Contonia port Privad port Selected port MAggregation port Select all Select all others. Cancel		
MLD			
IEEE 802 1X	1000		
AAA	ACL		
ERPS	ACL	Port	Ees
+ System Management	Standard IP ACLD		×
+ QoS			First Previous [1] Next Lasta / 1Page
+ EEE			

Figure 5-33: Add applications ACL

### 5.6.2.3DELETE APPLICATION ACL

Click to delete the application rule on the right side, cancel the application of the rules in the port:

	Carrent Useradmin			🖒 Leg Cu
System Home	ACL Apply ACL			
Quick Configuration	Description: The lable below shows the ACLs that are applied to the	e switch pórta.		
+ Port Management	Notice: ACLs cannot be applied to ports on the panel that are gray			
+ VLAN Management	ACL Rules Application			
Fault / Safety     Attack Prevention     Path Detection     DD05 Protection     Loopback Detection     STP     Anome Control	Please select the ACL list; Standard IP ACLS Select a port to configure 1 3 5 7 8 11 0 15 17 19 71 0 25 2 6 6 8 10 10 14 15 10 22 2 2 2 2 6 6 8 10 10 14 15 10 22 2 2 2 2 6 6 8 10 10 14 15 10 22 2 2 2 2 6 7 10 10 14 15 10 20 2 2 2 2 2 6 7 10 10 14 15 10 20 2 2 2 2 2 7 10 10 10 14 15 10 20 2 2 2 2 2 7 10 10 10 14 15 10 20 2 2 2 2 2 7 10 10 10 14 15 10 20 2 2 2 2 2 7 10 10 10 14 15 10 10 2 2 2 2 2 7 10 10 10 14 15 10 10 2 2 2 2 2 7 10 10 10 10 10 10 10 10 10 10 10 10 10	27		
IGMP				
MLD IEEE 602.1X	Apply			
AAA	ACL			
ERPS		ACL	Port	East
+ System Management		Standard IP ACL0	54	×
+ QoS				First Previous [1] Next Lasta / IPage
+ EEE				

Figure 5-34: Delete application ACL

## 5.7 IGMP

### 5.7.1 VIEW IGMP CONFIGURATION

Click the "Fault/Safety" "IGMP " to check the current switch configured multicast monitoring information:



Figure 5-35: View Snooping IGMP configuration information

### 5.7.2 ACTIVE MULTICAST LISTENER FUNCTION

Click the "Fault/Safety" "IGMP Snooping", click "Off" button to activate the multicast monitoring function and you can choose the IGMP version :



Figure 5-36: Open multicast listener configuration

The default multicast listener (IGMP Snooping) did not open;

The default on multicast listener (IGMP Snooping), all VLAN are open;

The default version of V3 - IGMP.

### 5.7.3 VIEW AND CONFIGURE ROUTER PORT

Dynamic routing ports can not be removed manually, only static routing ports can be removed manually. Dynamic routing ports will be removed through aging.

	Current User-admin	Change -				😆 Lago
System Home	Property Quester	Throttling Router Por	1 Group Address	Filtering Statistics		
Quick Configuration     Port Management	Amires: 1, The default multicast mo 2. Dynamic routing ports can not be	ontor is not a static rouling port, if rep interved manually, only static routing	and, a static routing port can be ports can be removed manually	set. Dynamic routing ports will be removed	Through Jigms.	
- WAN Management	Select a port to con	nfigure				
VLAN Management Voice VLAN Sorveillance VLAN						
- Fault / Safety	Optional port	belected part (1) Apprepation port	Select all Select all others	Cancel		
Attack Prevention	VLAN: T					
Path Delection DDOS Protection	Add Routing Port					
Loopback Detection	Multicest Member Port				and the second se	
STP		VLAN		Port	Status	
Access Control		÷		5	State:	×
MD		1		6	Static	×
IEEE 802 1X						First Pressure [1] Neid Lints (.) Prope
AAA						
ERPS						
+ System Management						
- QoS						
and the second second						
Priority Schedule						
- EEE						

Figure 5-37: configure router port

### 5.7.4 GROUP ADDRESS

In this page you can configuration static group address and view the dynamic groups, Statically configured multicast groups can not be deleted, Dynamic multicast groups can be deleted:

	Current Useradinia				🧿 Leg Cui
System Home	Property Quarter Throttling	Rouver Port Group Address Fillering 553	5%50#		
Quick Configuration	IGMP Static Group Setting				
+ Port Management	Select a port to configure				
- VLAN Management VLAN Management Voice VLAN		23 25 27 			
Surveillance VLAN	Optional port m Fixed port Selected port	ogregation port Select all Select all others Cancel			
- Fault / Safety	VLAN: 1	Group Address: 239.0.2.1			
Atlack Prevention	Apply	-	-		
Path Detection	VLAN	Group Address	Type	Member Port	Deinte
DDOS Protection	1	239.0.2.1	These	5	×
STP-					First Previous [1] Next Lasta / 1Page
Access Central	KGMP Dynamic Group Table				
KANP	VLAN	Group Addrese	Type		Member Port
MLD IFFE 802.1X	-1	239 238 238 238	Dynamic		-4
AAA	3	239 255 255 250	Dyname		1
ERPS	Clear All Dynamic Groups				First Previous (1) Next Lasts / tPage
+ System Management					
+ QoS					
- 666					
TET					

#### Figure 5-38: Group address

### 5.7.5 FILTERING PROFILE

On the IGMP filter page, you can set up a section of multicast that is allowed or denied. And the application rules on the corresponding ports. You can also edit or delete rules by clicking the Edit button or the delete button:

Notice: If the rule has been applied to the port, if you want to delete the rule, you need to remove the rule from the port before you do so, otherwise you won't be able to delete it successfully:

	Current Useradenin				🗘 Les Out
System Home	Property Opener Throthing	Router Port Group Address Fatering Statistics			
Quick Configuration	Filtering Profile Setting				
+ Port Management	Profile ID: 11- End Address:	28) Start Address: Action: Permit +			
VLAN Management Voice VLAN	Apply Profile ID	Start Address	End Address	Action	Est
Surveillance VLAN		228.0.0.1	239.0.2.1	Partit	2 X
- Fault / Safety Attack Prevention	2	238.1.1.1	239 12.1	Parent	First Previous (1) Next Lasta / 19ape
Path Detection	Filtering Banding Setting				
Loopback Datection	Select a port to configure				
STP Access Central Refere		2 25 27 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
MLD REEE 602 1X AAA	Coplicant port Prived port Selected port App Profile ID: None	regation port Select all Select all others Cancel			
ERPS.	Apply				
+ System Management		ort.	Profile ID		ER
+ QoS		1	None		2
- EEE		2	None		2
EEE		à	None		2

Figure 5-39: Configure filtering profile

When the above set rules are bound on the port, the port receives the multicast in the rule and processes it according to the corresponding action:

	Carrent User:admin				C Leg Dat
Voice VLAN	Profile ID	Start Address	End Address	Action	Eat
Surveillance VLAN	τ.	239.0.0.1	239.0.2.1	Permit	2 ×
- Fault / Safety	ĩ	239.1.1.1	239.1.2.1	Perind	×
Attack Prevention					First Previous [1] Next Lasts / 1Page
Path Detection	Filtering Binding Setting				
Loophark Detection	Select a port to configure				
STP	1 1 5 7 9 11 13 15 17 19 21 23 25 27				
Access Control					
REMIP.	2 4 5 8 10 12 14 16 18 20 22 24 25 28				
MLD	Optional port m Finad port Selected port Apprepation port Select all	Select all others Cancel			
UEEE 802 1X	Profile ID: None •				
ERPS	Apply				
+ System Mananement	Pot		Protie ID		Edit
+ 0+5	1		None		
1 405	2		None		
- EEE			Biona		1
EEE			Trans.		2
			Tubrit.		2
			1		2
			None		~
	7		2		2
	8		None		2
			tione		2
	50		filone		9

Figure 5-40: Filtering binding

### 5.7.6 IGMP STATISTICS

On the IGMP statistics page, you can look at the changes in the number of messages received by the current device in the IGMP type:

	Current	Useradmin									🍪 Log Out
System Home	Property G	Querrer Throttling	Router Port	Group Address	Filtering	Statistics					
Quick Configuration			Receive P	icket					Transmit Packet		
+ Port Management		Total		15				Lezve			
- VLAN Management		Valid		15				Report		0	
VLAN Management		Invalid		0			Ge	eneral Query			
Voice VLAN		Other					Speck	al Group Query		-0	
Surveillance VLAN		Leave		0			Source-so	pecial Group Query			
- Fault / Safety		Report		10							
Attack Prevention		General Query		5							
DDOS Protection		Special Group Quer	0	4							
Loopback Detection		Source-special Group G	uny	.0							
STP	Clear D Refres	h									
Access Control											
KGMP MLD											
IEEE 802.1X											
AAA											
ERPS											
+ System Management											
+ QoS											
- EEE											
EEE											

Figure 5-41: IGMP Statistics

# 5.7.7 DISABLE MULTICAST LISTENER FUNCTION

Click the "Fault/Safety" "IGMP ", click "ON" button to disable multicast monitoring function:

	Çamet(bershm	C LADOA
System Herne Calck Configuration + Port Management VAM Management VAA Management VAA Management VAA Management VAA Strikt - Fault 3 Safety - Fault 3	Versitie           Property         Currier         Thordbling         Route Front         Straig Address         Filtering         Eastatus           Configure         Thordbling         Route Front         Straig Address         Filtering         Eastatus           Configure         Thordbling to Route Front         Straig Address         Filtering         Eastatus           Configure         Thordbling to Route Front Address         Filtering to Route Front Address         Filtering           Configure         Thordbling to Route Front Address         Filtering to Route Front Address         Filtering           Configure         Configure         Filtering         Filtering         Filtering           Configure         Configure         Filtering         Filtering         Filtering	C Log Cal
ERPS + System Management + QoS = EEE EEE		

Figure 5-42: Closed multicast listener function operation

### 5.8 MLD

### 5.8.1 VIEW MLD CONFIGURATION

Click the "Fault/Safety" "MLD" to check the current switch configured multicast monitoring information:

	Current User advan	👶 Lag Gu
System Home Quick Configuration + Port Management VLAN Management VLAN Management VLAN Management VLAN Survillance VLAN Survillance VLAN Survillance VLAN Survillance VLAN Path Desction DOOS Protection Loopback Detection STP Access Centrol IOM EEE 502.1X AAA EISPS + System Management + QoS = FE	Property:       The optiming:       Routine Priorit:       Optiming:       Statistics:         MCD Second       The optimize:       Statistics:       Statistics:         Description:       Multicast Lucioner Discover (MLD) incopeng is a faelure that above is similar to forward multicast traffic reiningently on the section;         Correl:       Thakle is classifier the multicast lateries; when evalued, the latet routing port can be set.	C Legos

Figure 5-43: View MLD configuration information

### 5.8.2 ACTIVE MULTICAST LISTENER FUNCTION

Click the "Fault/Safety" "MLD", click "Off" button to activate the multicast monitoring function:



Figure 5-44: Open multicast listener configuration

The default multicast listener (MLD) did not open;

The default on multicast listener (MLD), all VLAN are open;

The default version of V1 - MLD.

#### 5.8.3 VIEW AND CONFIGURE ROUTER PORT

Dynamic routing ports can not be removed manually, only static routing ports can be removed manually. Dynamic routing ports will be removed through aging.

	Current Usercadmin				Ö Log Out
System Home Quick Configuration + Port Management - VLAN Management VLAN Management Volor VLAN Scientificere VLAN	Property         Thirotiling         Router Port           Koto:         1. The order maldreat months is not a data too         2. Order of the monored in           Select a post to configure         4.00         7.00         9.00           Select a post to configure         4.00         7.00         9.00         9.00           2.0         6.00         7.00         9.00         9.00         9.00         9.00           2.0         6.00         9.00 <td< th=""><th>Oroup Address Pillering     Ing port if required, a static round port can be set     roundle, only static roundle point can be serviced in a     29 27     29 27     29 28</th><th>Blatistics : multy Dynamic routing parts will be rand</th><th>wé though liging</th><th></th></td<>	Oroup Address Pillering     Ing port if required, a static round port can be set     roundle, only static roundle point can be serviced in a     29 27     29 27     29 28	Blatistics : multy Dynamic routing parts will be rand	wé though liging	
Pault / Safety     Attack Prevention     Path Detection     DOCS Protection	Coptonal por Chied por Selected por CA VLAN: 2 Add Reading Port	greption port. Select all others. Ca	ncel		
Loopback Detection	Multicast Member Port				
STP	VLAN		Port	Status	
Access Control	A		5.23	State:	×
MLD EEE 502.1X AAA ERPS					First Powerung Next Lang
+ System Management					
+ QoS					
- EEE					
EEE					

Figure 5-45: configure router port

### 5.8.4 GROUP ADDRESS

In this page you can configuration static group address and view the dynamic groups, Statically configured multicast groups can not be deleted, Dynamic multicast groups can be deleted:

	Current Useranimin				🚺 Lag Out
System Home Quick Configuration	Property Throttling Router Port	Droup Address Fintering Statistics			
Port Management     VLAN Management     VLAN Management     VLAN Management     Value VLAN	Select a port to configure           1         3         7         9         11         15         17         18         21           1         3         7         9         10         15         17         18         21           1         2         2         10         10         10         10         12         14         15         15         12         12         12         14         15         12         12         12         12         12         14         15         12         12         12         12         12         14         15         12         12         12         14         15         12         12         14         15         12         12         12         12         14         15         12	2 2 2 2 2			
Surveillance VLAN     Fault / Safety     Attack Prevention	Collonal port Prived sort Selected port 1	gprepalemport Select all Select all others Cancel Group Address: 2729: 18			
Path Detection DDOS Protection	VLAN	Group Address	Type	Member Port	Deteta
Loopback Detection STP	-	FFN 53	State	5	First Previous [1] Next Lasts / 19 age
IGMP	MLD Dynamic Group Table				-
MED IEEE 602 1X AAA	Clear All Dynamic Groups	Little Address	1304		Pini Previous (1) Hent Las() // Previous
ERPS + System Management					
+ QoS					



#### 5.8.5 FILTERING PROFILE

On the MLD filter page, you can set up a section of multicast that is allowed or denied. And the application rules on the corresponding ports, You can also edit or delete rules by clicking the Edit button or the delete button:

Notice: If the rule has been applied to the port, if you want to delete the rule, you need to remove the rule from the port before you do so, otherwise you won't be able to delete it successfully

	Current Useradmin				🙆 Log Dal
System Home Quick Configuration	Property Throttling Rouler Port	Group Address Filtering Statistics			
+ Port Management - VLAN Management VLAN Management	Profile ID: (1-	128) Start Address: Action: Permit			
Voice VLAN	Profile ID	Start Address	End Address	Action	Eate
Surveillance VLAN	4	FF50:39	FF50:AA	Permit	2 ×
- Fault / Safety	3	FF30:20	FF30:50	Deny	2 ×
Attack Prevention					First Previous [1] Next Lasts / Page
Path Detection DDOS Protection	Fillering Binding Setting				
Loopback Detection	Select a port to configure				
STP Access Control IGMP	1         3         5         7         9         11         15         17         19         21         21           1         1         5         7         9         11         15         17         19         21         21           1         1         1         15         17         19         21         1           1         1         1         10<	<sup>10</sup> 25 27 2			
MLD	Coplianal port Prived part Prived part Relected port	pregation port Select all Select all others. Cancel			
IEEE 802.1X	Profile ID: None •				
ERPS	Apply				
+ System Management		Port	Profile (D		Eat
+ QoS		÷	None		2
- EEE		2	None		2
EEE		à	None		2

Figure 5-47: Configure filtering profile

When the above set rules are bound on the port, the port receives the multicast in the rule and processes it according to the corresponding action:

	Current Usecadmin				🧿 Leg Dia
Voice VLAN	Profile ID	Start Address	End Address	Action	Edit
Surveillance VLAN		FF50-99	FF30:AA	Permit	2 ×
- Fault / Safety	2	1F30-20	FE30.50	Demy	×
Attack Prevention					First Prevenue [1] Next Lasta / IPage
Path Detection	Filtering Binding Setting				
Loopback Detection	Select a port to configure				
STP Access Control IGMP		22 25 27 2			
MLD IEEE 802.1X	Costional port Privet port Presented port 2004	agregation port Select all Select all others. Cancel			
ERPS	Apply				
+ System Management		Port	Profile ID		Edit
+ QoS		F	None		2
- EEE		2	None		4
EEE		3	None		2
		4	Néně		2
		5	4		2
		8	None		2
		2	None		1
		8	tione		1

Figure 5-48: Filtering binding

#### 5.8.6 MLD STATISTICS

On the MLD statistics page, you can look at the changes in the number of messages received by the current device in the MLD type:

	Current U	her-þðmin								🙆 Lag Que
System Home Quick Configuration	Property Th	protiting Router Port	Group Address Receive Packet	Filtering	Statistics			Transmit Packet		
+ Port Management		Total		ф.			Leave		0	
- VLAN Management		Valid		0			Report		0	
VLAN Management		invalid		0			General Query		0	
Voice VLAN		Other		0			Special Group Query		0	
Surveillance VLAN		Leave		0			Source-special Group Query		0	
- Fault / Safety		Report		0						
Attack Prevention		General Query								
Path Detection		Special Group Query								
Loopback Detection		Source-special Group Query		0						
STP	Clear D Refresh									
Access Control										
IGMP										
NE.O										
AAA										
ERPS										
+ System Management										
+ QoS										
ECE										

Figure 5-49: MLD Statistics

### 5.8.7 DISABLE MULTICAST LISTENER FUNCTION

Click the "Fault/Safety" "MLD", click "ON" button to disable multicast monitoring function:



Figure 5-50: Closed multicast listener function operation

### 5.9 IEEE 802.1X

#### 5.9.1 VIEW IEEE802.1X CONFIGURATION

Click the "Fault/Safety" "IEEE 802.1X", Click the "Close" button to activate the 802.1X authentication function:



Figure 5-51: View 802.1x configuration information

#### 5.9.2 PORT ENABLE 802.1X CONFIGURATION

Notice: If you want the 802.1x function to take effect, you need to configure the radius server separately in the AAA configuration page

	Current UserJatimin				🖒 Log Out
System Home	IEEE 802.1X				
Quick Configuration	IEEE 802.1X Global Setting				
+ Port Management	Enable or disable the IEEE	802, 1X If you want this function to take effect please configure the 802, 1X server of RAD	IUS first		
+ VLAN Management	1.1				
- Fault / Safety	IEEE 802.1X Setting				
Attack Prevention	Select a port to configure:				
Path Detection		17 19 21 23 25 27			
<b>DDDS</b> Protection	000000000000000000000000000000000000000	333300			
Loopback Detection	2 4 6 8 10 12 14 16	18 20 22 24 26 25			
STP	Optional port Poved port Sele	cted port 11 Appregation port. Select all Select all others. Cascel			
Access Control	802.1X Authentication: Enabled	Host Mode: Multi-autri	•		
IGMP	Port Control: Auto	-			
MLD.	Apply				
AAA.	Port	302.1X Authentication	Host Mede	Port Control	Edit
ERPS	4	Dirabled	Matheasth	Disabled	1
+ System Management	2	Disabled	Matheven	Disables	2
+ QoS	a l	Enabled	Atum-auth	Auto	2
+ EEE		Enabled	Mall-adtr	Helto	2
	4	Disated	Mid-adv	Deamet	2
		Disabled	Mati-auth	Oryabled	2
	7	Disabled	Multi-ard/l	Desterd	2
	1	Deabled	Multi-auth	Ocalies	2
		DisAbled	Muth-auth	Divaster	1
	10	Disabled	Muth-Authr	Dusset	2

Figure 5-52: Port enable 802.1x function operation

### 5.10 AAA

#### 5.9.1 VIEW AAA CONFIGURATION



Figure 5-53: View AAA configuration information

#### 5.9.2 ENABLE RADIUS CONFIGURATION

Notice:The current device supports mac authentication function, just add the mac address you need to authenticate in the "key" field.

	Current Usera	nimin						🚫 Log Dut
System Home Quick Configuration + Port Management	RADIUS RADIUS Server	st: [192: 160: 1, 107	Auth Port: (7777	(6-85536 default 1512)				
+ VLAN Management - Fault / Safety Attack Prevention Path Detection	Apply	9: 00054000011 (54 chard) 19: 8 (1-10) ei: 802 1X •	Priority: Timecul:	(1-30)				
DDDS Protection	Priority	Host IP	Auth Port	Key	Ratry	Timeout	type	Edit
Loopaxk Dataction STP Access Control IOMP MLD IEEE 0021X AAA ERPS System Management QoS * ERE		792 100.1107		DRUM-COOUT1			pud XX	(1) Med Lan() Pringe



# 5.10 ERPS

### 5.10.1 VIEW ERPS CONFIGURATION

	Current UserJadmin		🙆 Log Out
System Home	Ethernet Ring G.0032		
Quick Configuration	Ethernel Ring Name		
+ Port Management	Apply		
+ VLAN Management	Canada		
- Fault / Safety	Ethernet Ring	Edit	
Attack Prevention			
Path Detection			
<b>DDOS</b> Protection			
Loopback Detection			
STP			
Access Control			
IGMP			
MLD			
IEEE 802 1X			
ETIDS			
+ System Management			
+ QoS			
+ EEE			



#### 5.10.2 CREAT ERPS RING

	Current Userantmin			🙂 Log Out
System Home	Ethernet Ring G.8032			
Quick Configuration	Ethemet Ring Name 2025			
+ Port Management	Apply			
+ VLAN Management	(man)			
- Fault / Safety		Ethemet Ring	Edil	
Attack Prevention				
Path Detection				
DDOS Protection				
Loopback Detection				
STP				
Access Control				
IGMP				
FFF RAT 1X				
AAA				
ERP\$	Ú			
+ System Management	6			
+ QoS				
+ EEE				



### 5.10.3 Enable erps port

#### Notice: The erps port must be in turnk mode, otherwise it cannot be successfully enabled.

	Current User:admin		U Log Out
System Home	Ethernet Ring G.8032		
Quick Configuration	Ethernet King Name IIII		
+ Port Management	Apply		
- Fault / Safety	Ethernöl löng		ar
Attack Prevention	ERPS		×
Path Detection			
DDOS Protection	Ethernet Ring Settings		
STP Access Control (GMP MLD	Pett Saicha con lo zeologues 1 1 5 7 0 ct 415 16 17 18 21 23 25 27 2 2 4 6 6 10 12 14 18 18 23 25 24 25 28 2 4 6 6 10 12 14 18 18 23 25 24 25 28		
IEEE 802.1X	CT Optional port mr fried port selected port St Appreciation port		
AAA	Port1 Select a port to configure		
+ System Management			
+ 603	Coloreal port m Fixed port Relected port CAppresation port		
The	Apply		
	port	pont	E.ast
	atry5	etró	×

Figure 5-56: Port added erps ring

#### 5.10.4 Erps ring parameter configuration

Notice:

1. In networking, only one switch is the master node, and the other switches are ordinary nodes, otherwise the ERPS function will not take effect  $_{\circ}$ 

2.After the configuration is complete, you need to enable the ERPS ring

3. During the test, the port on the ring must be added to the data vlan, otherwise the data may not be forwarded normally.

At the same time, for ports other than the ports on the ring, when specifying a VLAN, do not assign the control VLAN to it, otherwise the data may not be forwarded normally.

	port0	point	
	en5	and .	
Ethernet Instance Settings			
Description	Trycling		
R-APS Channel VLAN (1-4094)	2		
Inclusion VLAN List	3 * Add Delete		
MEL.	7		
RPL Port	None •		
HPL Owner	Disabled		
Activata	Enabled		
Description	ErpsRog		
Description MEL	ErgsRing 7		
Description MEL R-APS Channel	ErpsReg 7 2		
Description MEL R-APS Channel Protected VLAN	ErpsAng 7 2 3		
Description MEL R.APS Channel Protected VLAN Instance State	ErpsReg 7 2 3 Protection		
Description MEL RLAPS Channet Protected VLAN Instance State Admin RPL	ErpsAng 7 2 3 Protection Nade		
Description MEL RLAPS Channet Protected VLAN Instance State Admin RPL Operational RPL	ErgeRing 7 2 3 Protection Node Node		
Description MEL RLAPS Channet Protected VLAM Instance State Aamin RPL Operational RPL Ports State	ErpsRing 7 2 3 Protection Node Node etto(Bignal failed)		
Description MEL RLAPS Channel Protocold VLAM Instance State Aamm RPL Operational RPL Durit State Port I State	ErgeAlling 7 2 3 9 Production Node Rode etto(tsignal failed)		
Description MIL RAPS Channet Protected VLAM Instance State Aamin RPL Operational RPL Poets State Poets State Poets State	ErpsRing 7 2 3 9 706cclion Node Rode etho(tigual failed) etho(sigual failed)		

Figure 5-56: Port added erps ring

	Current User admin					() top
System Home	Management VLAN Sys	stero Restart User Management	System Log Log Export ARP Table MA	C Management		
Quick Configuration	Description: 1. Management VLAN pa	anamisters IP MAC gateway and the usar's con	act denaits. *** periodies required field			
Port Management	2. The IP address and mask cannot be	configured when the DHCP server is enabled				
VLAN Management	Dasic System Settings					
Fault / Safety	State of Managing VLAN:		MAC: DOED \$117 THE			
- System Management	DHCP: Stat	the Allocation ·	IPv6 DHCP: Static Alecation •			
System Settings	Management IP: 192	168.3.111	IPy6 Address:			
Firmware Upgrade	Subnet Mask: 255	255.255.0	IPv6 Gateway Address:			
System information	Default Gateway:		Device Name: Switch			
Configuration Management	Login Timeout(s): 1800	0	Device Location:			
SNMP	Contact Name:		Contact information:			
RMON	Alba					
LLDP Settings	Interface VLAN Table					
Administration	VLAN	IP.	Méscara	Default Galeway	Status IPv4	tican
Log Server	1	192 165 3.111	295 295 295 0		State	×
Static Route					First Free	views [1] Mara Lasta / 1994
QoS						
+ EEE	System Time Settings					
	Notice: The suitch time can be synchro Tip: The system will select a default be	nonced with the internet time by setting the time me syncronization server if no IP address is enter	synchronization server IP address to the NTP or SMTP server from your selects red	ad time zonie		
	The Current System Time: 201	3-12-05 00 25 01	Time Zone (T): (UTC)Coordinated Universal ·			
	Time Setting Mode: 10 A	Auto-Dync 🖷 Manual				
	Time:					

Figure 6-1: basic system settings

To configure the switch Basic System Settings as follows:

Management VLAN: switch management VLAN ID, the default is 1

- 1. In the DHCP text box ,choose static allocation
- 2. In the Management IP text box ,enter the IP address, such as 192.168.100.147
- 3. In the Subnet Mask text box, enter the subnet mask, such as 255.255.255.192
- 4. In the Gateway Address text box to enter the gateway address, such as 192.168.100.129
- 5. In the Device Name text box ,enter the Device Name ,such as internet device
- 6. In the Device Location text box ,enter the Device Location ,such as china
- 7. In the Contact Name text box ,enter the Contact Name ,such as miss
- 8. In the Contact Information text box ,enter Contact Information ,such as 18542154730
- 9. Click on "Save Settings" button to complete the configuration

# **6** SYSTEM MANAGEMENT

#### 6.1 SYSTEM SETTINGS

#### 6.1.1 MANAGEMENT VLAN

#### 6.1.1.1configuration Basic System Settings

Click on the navigation bar "System Management" "System Settings" " Management VLAN" to view the management address of the current switch configuration information:

### 6.1.1.2System time synchronization

	Carrent Usercadoria	1				🙆 Log Out				
System Home	Management YLAN	System Restart User Management	System Log Log Export. ARP Tabl	e MAC Management						
Quick Configuration										
+ Port Management	2. The IP address and mask cannot	In parameters in MAL, galaxies and the user's con of be configured when the DHCP server is enabled.	act deraile denotes required tent							
	Basic System Settings									
T VLAN Management	State of Managing VI AN-									
+ Fault / Safety	Management VLAN		MAC: como das	7. 1994						
- System Management	DHCP:	Static Alocation •	IPv6 DHCP: State Ab	ocation •						
System Settings	Management IP:	192 100 3 111	IPv6 Address:							
Firmeare Upgrade	Subnet Mask:	295.295.295.0	IPv6 Gateway Address:							
System Information	Default Gateway:		Device Name: Switch							
Configuration Management	Login Timeout(s):	1800	Device Location:							
Dual Configuration	Contact Name:		Contact information:							
SNMP	Apply									
RMON	Interface VLAN Table									
Administration	VLAN	ID.	Máscara	Default Gamway	Status IPv4	Exclus				
Log Server	1	192.168.3.111	255 255 255 0	~	\$MC	×				
Static Route					bin the	weeks (1) Next Lasts				
+ QoS										
+ EEE	System Time Settings									
	Notice: The sublich time can be synchronized with the internet time by setting the time synchronization server IP address to the NTP or SNTP server from your sended time zone. Tay: The synchron will seak a dobuit time synchronization server IP or IP address to attended.									
	The Current System Time:	2013-12-05 00 29 12	Time Zone (T):   (UTC+08.00)Beijing, Chong	• •						
	Time Setting Mode:	* Auto-Sync D Manual								
	Mode:	NTP •	Server IP Address: 202 118 1 81							
	Apply									

Figure 6-2: System time synchronization

To configuration system time, in the NTP Server IP Address text box, enter NTP Server IP Address such as 202.118.1.81 (local NTP servers or internet NTP servers), in the Time Zone (T) text box, you can choose any time zone you want, such as UTC+08:00.

### 6.1.1.3DHCPv6 client

	Carrent Diversiding	é						😆 Lay Out	
System Home Guidt Configuration + Port Management + VLAN Management + VLAN Management System Homegment System Homestion Configuration Management David Configuration Management Stable Stable	Massagement VV.AN       Bystem Reschiet       Valer Management       Massagement VV.AN       Bystem Reschiet       Valer Management         Description:       Discoverent (All Normality of Volic) genoup end to analy analyze data and analyze of the analyze								
LLDP Settings Administration Log Servior Static Route	VLAN 1	18 1922, 1938 23, 111		Mileiana 200 200 200 0		Default Gateway	Safe Pri	tener X	
+ QoS + EEE	System Tana Settings Bettice: The switch time can be sy	romanant with the eliterat litra i	is participal the later system street	of address to the NTP to Stat	P Secret Fort you	elected (row pare)		and the second second second	
	Top- The system will sends a deck The Carrent System Time: Time Setting Wode: Mode:	al time transmission rever if the time transmission of the time if Auto-Dyne, (i) Manuar (MTP +)	P potient is entired. T	P Address. 202 116 5.01	ling. Change •				

Figure 6-3: DHCPv6 client

To enable DHCPv6 client, click dynamic allocation, If the environment has dhcpv6 server, the device will get a ipv6 address, and the address will display in ipv6 address input box, however, the address cant't be change by Manual modification.

### 6.1.1.4IPv6 HTTPS

	Carrent Overradmen					O 1.001				
System Home Quick Configuration Port Management	Management VLAN Syn Description: 1 Management VLAN p 2. The IP address and mask cannot be Dated: System Settings	Item Restart User Ranagement assesses: # MAC paleous and the users cost configured when the DHCP leaver is enabled.	Bystem Log Log Baport AMP Taxis 64.40 cl. deals. — dented request held	Banspimant						
Fault / Safety System Management System Sellings Flemmer Upgrade System Information Configuration Management Dual Configuration SIMP	State of Managame VLAN ( Managament VLAN ) 1990 - 500 Managament PF, 19 Sobiet Manas Detact (States) 1990 - 700 Apply	00         0           00         Abscalton, *           100         200, 10           100         200, 10           00         0	MAC THE TET THE INFORMATION TO A CONTRACT INFORMATION TO A CONTRACT INFORMATION TO A CONTRACT OFFICE A CONTRACT OF A CONTRACT OFFICE A CONTRACT OF A CONTRACT OF A CONTRACT OFFICE A CONTRACT OF A CON	176						
LLDP Settings	Intertace VLAN Table									
Administration Log Serveri Static Route	VLAN	197 1962 1982 3 (11)	Mincare 296 288 296 0	Default Gammay	Manus IPr4 man Pett Pra	Eachar X maa (1) Yeed Lasta / 1999				
EEE	System Time Settings									
	Amough their gash is photostrate with the limited line by pathy the line photostratory sevel if address is the NTP or VertP seven line your second line zmin Tay. The pathy wit meets adduct line sponsorements are if no Pladdees is estimat.									
	The Current System Time:	d-lat-d) (to sk sk Julat-Sync ♥ Manuali	Tens Zone (T): [UTC/Coordnated Universal +							

#### Figure 6-4: IPv6 HTTPS

#### 6.1.2 SYSTEM RESTAR

Click on the navigation bar "System Management" "System Settings" "System Restart" to reboot the switch:



Figure 6-5: System Restart

Restart the device, follow these steps: step1:Click on "Restart the device immediately" button,step2:Click OK in the box that pops up "OK" button,step3:Prompted to save the current configuration, depending on your need to select "OK" or "Cancel",step4:After the restart the progress bar moves to 100%, reboot the device.

### 6.1.3 USER MANAGEMENT

Click on the navigation bar "System Management" "System Settings" "user management" to modify the super user password:



#### Figure 6-6: change password

Change password follow these steps:

step1:Enter the old password: password;

step2:Enter the new password: admin;

step3:Confirm new password: admin,

step4:Click the "Apply" button;

step5:Pop-up dialog box, click "OK" button.

### 6.1.4 SYSTEM LOG

Click on the navigation bar "System Management" "System Settings" "System Log" to enter the log management interface, you can query the system log, clear the log:

	Current Useran	tmin										
System Home	Management VLAN	System Restart	User Management	System Log	Log Export	ARP Table	MAG Management					
Quick Configuration	Description: The system log	displays system operating	enformiation.									
+ Port Management	System Flash Log	System Flash Log										
+ VLAN Management + Fault / Safety	Atter entang	Fillen Log. the log ram with	aven into these: while disading	g Fluich Log. The log will be	e recented, but not write	ien is flasti.						
- System Management	System Memory Log											
System Settings	Keyword:	Sea	rch Clear									
Firmware Upgrade												
System Information	Log messages in buffer 5 Dec 05 2013 00 00 43 % SY	STEM-5-INFO: Logging is i	inspied									
Configuration Management	5:Dec 05 2013 00 00 43:%SY1 6:Dec 05 2013 00 00 43 %SY1	STEM-5-RESTART System STEM-6-INFO System van	able restarted - Cold Start	there the								
Dual Configuration	5 Dec 05 2013 00 00 45 %LIN 6 Dec 05 2013 00 32 38 %SY	EPROTO-5-UPDOWN: Lin STEM-6-INFO: System VL/	e protocol on GigabitEtherne AN DHCP eth0.1 is set to dis	(01, changed state to up abled								
SNMP	6.Dec 05 2013 00.32 39.%SV 6.Dec 05 2013 00.32 39.%SV	STEM-6-INFO: System VL/ STEM-6-INFO: System lpv*	IN BOOTP eth0.1 is set to di 5 il set to 3000 2/64	sabled								
RMON	6.Dec 05 2013 00:32 39.%SY 6.Dec 05 2013 00:32 39.%SY	STEM-6-INFO System nan STEM-6-INFO System dev	re is set to Switch ice location is set to									
LLDP Settings	6.Dec 05 2013 00 32 39 %SY 6.Dec 05 2013 00 32 40 %SY	STEM-6-INFO System con STEM-6-INFO System con	fact name is set to fact information is set to									
Administration	6.Dec 05 2013 00 33 26 %SY1 6.Dec 05 2013 00 33 26 %SY1	STEM-6-INFO: System VL/ STEM-6-INFO: System VL/	IN DHCP eth0.1 is set to dis IN BOOTP eth0.1 is set to di	abled uabled								
Log Server	6.Dec 05 2013 00 33 27 %SY 6.Dec 05 2013 00 33 27 %SY	STEM-6-INFO. System lpvf STEM-6-INFO. System lpvf	I is set to 3000 2164 5 static gatewayls set to 300	0.1								
Static Route	6.Dec 05 2013 00 33 27 % SY1 6.Dec 05 2013 00 33 27 % SY1	STEM-6-INFO System lov STEM-6-INFO System lov	I is set to 3000 2/64 5 gateway is set to 3000 1									
+ QoS	6 Dec 05 2013 00 33 27 %5Y 6 Dec 05 2013 00 33 27 %5Y 6 Dec 05 2013 00 33 27 %5Y	STEM-5-INFO: System run STEM-5-INFO: System dev STEM-5-INFO: System cor	ne is set to Switch ice location is set to fact name is set to									
+ EEE	6,Dec 05 2013 00:33 27:%SY	STEM-6-INFO: System con	tact information is set to									

Figure 6-7: system log

Log management system WEB page to view the contents of the command line is consistent with the results of the command show logging;Click "Clear" button to clear the current log information switch.

### 6.1.5 LOG EXPORT

Click on the navigation bar "System Management" "System Settings" "Log Export" to export log information into the interface, you can export the log information through tftp server.



### 6.1.6 ARP TABLE

Click on the navigation bar "System Management" "System Settings" "ARP Table" to enter the ARP entry interface, you can view the ARP information:

	Current User;admin									C Log Out
System Home	Management VLAN System R	Restart User Management	System Log	Log Export	ARP Table	MAC Manag	gensent .			
Quick Configuration	Description: The table below contains the Al	RP entries. To clear the lable, click the 'Cl	lear ARP Table Entries' icr	05.						
+ Port Management	ARP Table									
+ VLAN Management								MAC		
+ Fault / Safety		192 168 3 22						F2:84:29:04:80:63		
- System Management	Clear ARP Table Entries								First Previous [1] Next Lasts	( 1Page
System Settings										
Firmware Upgrade										
System Information										
Configuration Management										
Dual Configuration										
SNMP										
RMON										
LLDP Sattings										
Administration										
Log Server										
Static Route										
+ QoS										
+ EEE										

Figure 6-9: ARP message

Click "Clear ARP table entries" button to clear the display ARP information.

## 6.1.7 MAC MANAGEMENT

### 6.1.7.1MAC address lookup

Click the "System Management" "System Settings" "MAC Management" can switch MAC address information query:
	Current Userae	danin				O Las
System Home Quick Configuration	Management VLAN Global Settings	Systeni Restart User M	anagement System Log Log Export	ARP Table MAC Management		
+ Port Management + VLAN Management + Fault / Safety	Aging Time	(10-630): 300 NHC				
- System Management System Settings	Protection Settings Static MAC: To enhance the I	safety of important data, add the MAC add	tresses of the server and other important equipment to the st	elic MAC address table		
Firmware Upgrade System Information	MAC list: All	Configure MAC Binding User MAC	MAC count; 5 Clear Dynamic Port	MAC Refresh	VLAN	Eat
Dual Configuration SNMP	0	4CED FB75 2024 7CAB 6075 8299	1	Dynamic Dynamic	1	00
RMON LLDP Settings	0	8C2E F63E 6939 E 482 F890 D27C	1	Dynamic. Dynamic	1 1	00
Log Server Static Route	<ul> <li>Oynamic MAC to Static</li> </ul>	F2B4.2904 6D63		Dynamic	1	Prist Previous [1] Heat Lasta // 1Page
QoS EEE						

#### Figure 6-10: MAC address lookup display

In the MAC address list which shows the current switch port to learn MAC addresses:

1.User MAC: MAC address of the switch that currently exists is displayed;

2.Port: Displays the source port number of the MAC address;

3.Port Type: There are two types of dynamic and static;

4.VLAN: VLAN ID display value.

You can query the MAC address type:according to the type of query MAC address, Type in the MAC address MAC check list next to the drop-down box Select: All / static / dynamic.

# 6.1.7.2Add a static MAC address type

1.Use manual binding MAC address

Click the "Configure MAC Binding" After, you can configure a static MAC address type in the MAC address configuration area:

System Home Management VLAN System Resturt User Management System Log Log Export ARP Table MAC Management	
Auto Cardonata	
duck congulation	
+ Port Management Name 19 (2011 30)	
+ VLAN Management User MAC * Remet 0000 0000 0000	
+ Pault / Safety VLAN (0/4.064): -	
- System Management Sectors and the Sectors an	
System information         BMC	
Configuration Management	14
SMMP	00
RMON Anny Fac	00
LLDP Settings	141
Log Sareer Table 2014	-mm
State Rode Committee	(1)
+ aos	
+ EEE	

### Figure 6-11: MAC addresses statically bound static configuration

Statically typed MAC address configuration steps are as follows:

step1:Click the "Configure MAC Binding" button;step2:In the "User MAC" text box to enter the MAC address, such as 0001.7A4F.74D2;step3:In the "VLAN ID" text box to enter the VLAN ID, such as 1;step4:Select ports in the port panel;step4:Click on "Apply" to complete the configuration.

2.Use" <sup>COD</sup> " Button binding static MAC address

In the MAC address list, select the MAC address to be bound, click on the left " <sup>OOO</sup> " Button, to achieve binding:

	Current Users	adman					🖒 Log Da
System Home	Management VLAN	Systèm Restart Lines M	anagement System Lot	Log Esport	ARP Table MAC Management		
Quick Configuration	Grobal Settings						
+ Port Management	Aging Tim	e(10-630): 300 sec					
+ VLAN Management	Apply						
+ Fault / Safety	Protection Settings						
- System Management System Settings	Static MAC: To enhance the	safety of important data, add the MAC ad	tresses of the server and other impo	rtant equipment to the static MAC	address table		
Firmware Upgrada	MAC INE AD	Configure MAC Binding	MAC count: 0	Clear Dynamic MAC	Refresh		
System Information Configuration Management		User MAC		Port	Port Type	VLAN	Eat
Dual Configuration	8	0000 0000 0033		3	Static	2	×
SMMP	*	4CED F875 2024		-1	Dynamic	1	00
RMON	8	7CA8.6075.8299		1	Dynamic	1	00
LLDP Settings	3	BC2E.F63E.6930		4	Dyitamic	1	00
Log Server	- H	E482 FB9D 027C		it.	Dynamic		00
Static Route		F284,2904,8063		1	Dynamic	1	00
+ QoS	O Dynamic MAC to Stat	ic MAC 🥥 Delete Static MAC					First Previous [1]. Next Lasts / 1Press
+ EEE							

### Figure 6-12: MAC address of the static binding configuration

3. Using the "Dynamic MAC to Static MAC" link Bulk Bind static MAC

In the MAC address list by checking the front of the column you want to bind, " $\sqrt{}$ " check box, click on the "Dynamic MAC to Static MAC" button to complete the configuration:

	Current Use	e admini				🙂 Log Dat
System Home	Management VLAN	System Restart Liter Mu	anagement System Log Log Export	ARP Table MAC Management		
Quick Configuration	Global Settings					
+ Port Management	Aging T	ime(10.630): 300 sec				
+ VLAN Management	Apply					
+ Fault / Safety	Protection Settings					
- System Management System Settings	Static MAC: To enhance t	the safety of important data, add the MAC add	ressars of the server and other important equipment to the state	MAC address table.		
Firmware Upgrade	MAC list: Al ·	Configure MAC Binding	MAC count: 6 Clear Dynamic Ma	Refresh		
System Information Configuration Management		User MAC	Port	Port Type	VLAN	Edit
Dual Configuration		0000 0000 0033		Static		×
SNMP	*	4CED FB75 2924		Dynamic	3	00
RMON	8	7CAB-6075 8299	1	Dynamic		00
Administration	14	BC2E F63E 6930		Dynamic		00
Log Server		E482 F890.027C		Dynamic.	1	00
Static Route	8	F2B4.2904.8D63	. 4 .	Dynamic	+	00
+ QoS	O Dynamic MAC to St	atic MAC O Delete Static MAC				First Previous [1] Next Lasts / TPage
+ EEE						

Figure 6-13: Batch-MAC binding configuration

# 6.1.7.3Remove the static MAC address type

1. Single MAC records are deleted

Select the need to delete the MAC address, click the "X" button to delete a static MAC address type:

	Current Usera	dmin				🔮 Log Cut
System Home	Management VLAN	System Restort User M	anagement System Log Log Export	ARP Table MAC Management		
Quick Configuration	Global Settings					
+ Port Management	Aging Time	e(10-630): 300 sec				
+ VLAN Management	Apply					
+ Fault / Safety	Protection Settings					
- System Management System Settings	Static MAC: To enhance the	safety of important data, add the MAC add	dresses of the server and other important equipment to the sta	ric MAC address table		
Firmware Upgrade	MAC list All	Configure MAC Binding	MAC count: 6 Clear Dynamic B	Refresh		
System Information Configuration Management		User MAC	Port	Port Type	VLAN	Edit
Dual Configuration	*	0000 0000 0033	1	Static	1	×
SNMP		4CED F875 2024	1 -	Dynamic	1	00
RMON	10	7CAB 6075 8299	1	Dynamic		00
Administration		BC2E P63E 6930	1	Dynamic	4	00
Log Server		E482 FB90 D27C		Dynamic	3	00
Static Route	0	F284.2904 8D63	1	Dynamic	1	00
+ QoS	O Dynamic MAC to State	c MAC 🥥 Delete Static MAC				First Previous [1] Next Lasts / 1Page
+ FFF						

### Figure 6-14: MAC address deletion

Remove MAC address configuration steps are as follows:

Step1:To delete the selected MAC address, step2:Click **\*\*** " button to delete the configuration

2. Batch delete a static MAC address

In the MAC address list by checking the front of the column you want to bind, " $\sqrt{}$ " check box, click "Delete Static MAC" button:

	Current Usera	stmin					<b>O</b> Leg
System Home	Management VLAN	System Restart User Ma	anagement System Log	Log Export ARP Table	MAC Management		
Quick Configuration	Global Settings						
Port Management	Aging Time	e(10-630): (300 sec					
VLAN Management	Apply						
Fault / Safety	Protection Settings						
System Management System Settings	Static MAC: To enhance the	safety of important data, add the MAC add	iresses of the server and other importa	nt equipment to the static MAC address table.			
Firmware Upgrade	MAC Est: All	Configure MAC Binding	MAC count: 6	Clear Dynamic MAC	Refresh		
System Information Configuration Management		User MAC	P	ort.	Port Type	VLAN	Edit
Dual Configuration		0000 0000 0033		r.	Static	1	×
SNMP	0	4CED FB75.2024			Dynamic		00
RMON	- 8	7CAB.6075.8299		D.	Dynamic:		00
LLDP Settings	0	BC2E F53E.6930		r -	Dynamic.		00
Log Server	ü	E482.FB90.D27C		6	Dynamic		00
Static Route		F284 2904 (0053		1	Dynamic	1	00
QoS	O Dynamic MAC to Statio	c MAC Delete Static MAC					First Previous [1] Next Lasts / IPage

Figure 6-15: MAC address batch deletion deletion

# 6.2 SYSTEM UPGRADE

Click the "System Management" "Firmware Upgrade" to backup firmware to file or upgrade the software on the switch:

	Current Usersadman	🙆 Lag Cite
System Home	Firmware Upgrade & Backup	
Quick Configuration	Notice: 1 Please confirm the name and version of the upgrade file is appropriate for your switch mode.	
+ Port Management	2. Do not retreach the page or close the upgrade process until it has completed or the upgrade will fail.     3. Down the upgrade recease the share was to intervent or annual to an annual to recease the second intervention.	
+ VLAN Management	a much is advect house to advect a substant as anti-oracle statement in the second house is proved and an advect house in other	
+ Fault / Safety	Backup firmware to file : Blackup	
- System Management	Firmware Upprode from the: 翻译文件 水法保任何文件 Upprode	
System Settings	7.0	
Firmware Upgrade		
System information		
Dull Configuration		
SNMP		
RMON		
LLDP Settings		
Administration		
Log Server		
Static Route		
+ QoS		
+ EEE		

Figure 6-16: Switch System backup firmware to file and Upgrade firmware

Switch backup firmware to file as follows:

Step1:Click"Backup"button waiting the system download the firmware completed.

Switch system upgrade steps are as follows:

Step1:Click "Choose File" button to select the switch upgrade file;

step2:Click the "Upgrade" button switch to start the upgrade new software;

step3:When the upgrade progress bar is at 100%, the switch will automatically reboot, completion of the upgrade is completed.

# 6.3 SYSTEM INFORMATION

### 6.3.1 SYSTEM LOG

Click on the navigation bar "System Management" "System Settings" "System Log" to enter the log management interface, you can query the system log, clear the log:

	Carriel Unication	Use Cert
System Home	Menagement VLAN System Residen Unar Management Rystem Log Export ARP Store MAIA Management	
Duick Configuration	Description: The rystem by dispersing printmater.	
+ Port Management	System Fluid Log	
+ VLAN Management	After excelling Flaim Log, the log rain will write flashing Flaim Log, the log will be reproduid to ( into writer to flashi	
- System Management	System Memory Log	
System Settinen	Keywork Smarch Char	
Firminare Upgrade		
System information	Log messages in Outfit 5 Dec 15 STU 000 41,%SYSTEM6-MPC Logging is enabled	
Configuration Management	s. Dec 03 2010 000 44, 31/5975EM-6-MS7 System regardines - Cold Start 5. Dec 05 2010 000 44, 31/597EM-6-MS7 System regardines to starbare V	
Dual Configuration	5.Dec 03 2013 000 44 % NuNEFROTO-5-UPDOVIN Line protocol on Gladoffilementativ, changed table to up 6.Dec 03 2010 002 328 % SYSTEM 6-M6V System VLAN CHCP CPM 10 a serb datablet	
SNMP	8.Dec 03 2013 09.22 (#%STSTEM-6-H0-5) System VLAN BOOTP etch 3 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to datable Excerci 30 2013 09.23 (#%STSTEM-6-H0-5) System Full-6 is set to da	
RMON	6 Dec 65 2013 00 22 34 % STYTTEM-5-NMO 5 System meres as left 5 Switch RDec 65 2013 00 22 34 % STYTEM-6-NMO 5 System meres as left 5 Switch	
LLDP Settings	8.Dec 05 2013 002.22 9%35Y3TEM-6-INO .5 yptem contact name is set to E.Dec 05 2010 02:24 9%35Y3TEM-6-INO .5 yptem contact information is set to	
Administration	8 Dec 03 2013 003.32 Sh593TEM6-6H6-0; System VLAN DCPC# #R0 1 is setto datablet 5 Dec 03 2010 303.28 Sh593TEM6-6H6-0; System VLAN DCDT# watch is a setto datablet	
Log Server	8 Dec 65 2013 03.327 %59YTEM-64/H0 <sup>2</sup> Stylemu teyls is at b 3000-204 8 Dec 65 2013 03.327 %59YTEM-64/H0 <sup>2</sup> Stylemu text is tab 3000-1	
Static Route	8 Dec 03 2013 033127 MSYTEM-6-NPC System lay-6 a set to 3000-264	
+ QoS	E Spec (50 10) 00 327 KSYTERAA-RAD Ó Synen mann a lea th' Stado. B Deo (52 10) 00 327 KSYTERAA-RAD Ó Synen device a colate a la thí B Deo (20 201 00 327 KSYTERAA-RAD Ó Synen device a sea tha	
+ EEE	BLDec 03 2013 00 33 22 //100731 EM-6HP-0: Byttem Contact internation in set to	

#### Figure 6-17: system log

Log management system WEB page to view the contents of the command line is consistent with the results of the command show logging;Click "Clear" button to clear the current log information switch.

### 6.3.2 CPU INFORMATION

Click on the "System Management" "System Information" "CPU Information" to enter the CPU Information interface, can view the System task Information:



#### Figure 6-18: CPU information

WEB pages to the content of the system task view consistent with the results show the CPU commands command line; click on the "Clear" button to remove the current switches in the system; Click on the "Refresh" button to Refresh the current switches in the system task.

# 6.5 CONFIGURATION MANAGEMENT

# 6.5.1 CONFIGURATION MANAGEMENT

1. To see the current configuration

Click on "System Management" "Configuration Management" "Configuration Management", and click the button "View ", View the current Configuration information:

	Cierrest User-admin		🕑 Log Os
System Home	Configuration Management Restore Ine Factory Settings		
Quick Configuration	Description and the providence of the		
+ Port Management	Contiguances Resignant	Current Continuation	
+ VLAN Management	Example and the second s	System Version, v25574	
+ Fault / Safety	Control Borney	i System Up Time: 0 days, 0 hours, 54 mins, 31 secs	
- System Management	Second 1. Second and second strategies and second s	cpu protect cpu bandwidth 500 cpu protect sub-interface transae cps 290	
System Settings	I the baseling printing on a ball with the ball of the	cpu protect sub-interface truthe pp 200 cpu protect sub-interface protocol pp 500	
Firmware Upgrade	Contraction in the second second	usemame web admin password admin usemame web user password uper	
System Information	Construction of the subsection	web-language en	
Configuration Managume		no is default-patientary	
Dual Configuration		ipuš addrens 3000. 2 prefix 64 ipuš detault-gateway 3000. 1	
RMON		usemarine "admin" privlege user secret encrypted M/EyM2JmM/k3YTU3YTVIN/2G2COK0YTEIN/SE4MDFmY2M+ Vlan 2	
LLDP Settings		vian 3 faccinition "vian"	
Administration		management-van duable volce-van ou-table 00 EB BB 00 00 00 mark FF FF 50 00 00 01 'COM'	
Log Server		Church	
Static Route			
+ QoS			
+ EEE			

Figure 6-22: View the current configuration

### 2. Save the current configuration

Click on the "System Management" "Configuration Management" "Configuration Management", click "Save" button, the running - the content of the config files saved to the startup --config file:

the second second	D takt x +	- 0
+ - C A Tes 1	2000-2] /uutit/chite	* 2 * O
II CA	12000-21 世示	the second se
	Carnel Success	d Lagor
System Home	Configuration Management Restors the Factory Settings	
Quick Configuration	Desisitution: View several exploit the convertinance performance, import a previously asseed cardigulation	
+ Port Management	Configuration Management	
+ VLAN Management	View Save	
+ Fault / Safety	# import Cartiguation III Export Configuration	
- System Management System Settings Filmware Upgrade	Notice: 1. Do not cline the page or relation the page starting the impact process or the relation tool that 2. After executing a configuration, the works trust is a securitient in schedule to entry to have after.t	
Synce Hormation Dual Configuration Minopole Dual Configuration Social RMON LLDP Intellings RMON LLDP Intellings RMON Ltdp Sector Social	Ungran Independenties Int (18228) #46941211 Expert Confluenties	

Figure 6-23: To save the current configuration

# 3. The configuration

Click on the "System Management" "Configuration Management" "Configuration Management", select "Import Configuration", click "Choose File" button to find Configuration File to Import, click the "Import Configuration" button, complete the Configuration Import:

	Carrent Ulersalmin	🖒 Los Out
System Home	Configuration Management Restore the Factory Settings	
Quick Configuration	Description: Werk save are separt the current inverse configuration. Import a previously careful configuration.	
+ Port Management	Configuration Management	
+ VLAN Management	Varie Sano	
+ Fault / Safety	Import Configuration     U Expert Configuration	
- System Management System Sattings Firmware Upgrade	Notice: 1 Do not close the logid or reflect the gape during the import process or the import init fail 2. Adder importing a configuration. He written would be restanted to other the settings to ball we effect.	
System Information Configuration Messagemen Dual Configuration SMMP	Tableter conditioner date as Tangeter 1 and 1 an	
RMON		
LLOP Settings Administration Log Server Static Route		
+ 005		
+ EEE		

Figure 6-24: Imported configuration

Import the configuration steps are as follows:

Step1:Select the "Import Configuration";step2:Click "Choose File" button to find you want to import the configuration File;step3:Click on "Import Configuration" button;step4:Confirm the restart.

4. Export configuration

Click on the "System Management" "Configuration Management" "Configuration Management", select "Export Configuration", Export Configuration.



Figure 6-25: Export configuration

# 6.5.2 RESTORE FACTORY SETTINGS

Click on the "System Management" "Configuration Management" "Restore the Factory Settings" to switch to Restore the Factory Configuration actions:



#### Figure 6-26: Restore factory Settings

Factory default operation steps are as follows:

Step1:Click the "Restore the Factory Settings" button,step2:In the pop-up confirmation box, click the "OK" button,step3:After the completion of the reset switch, wait for equipment to restart, switch back to factory default configuration.

# 6.6 SNMP

# 6.6.1 CHECK THE SNMP

Click on the "System Management" "SNMP", you can view the SNMP configured information:

	Current User-admin		🕑 Log Gul
System Home Quick Configuration	SNMP Configuration View Group User Community Hotific	cation	
Port Management     VLAN Management     Fault / Safety     System Management	SNMP Service:		
System Settings Firmware Upgrade System Information Configuration Management	Type: DMMP Authoritories Tays: @https://page.com/ Coud Start: @https://page.com/ Reply: Configure Expine	Lini Dom Tityp	
ENMP RMON LLDP Settings	Engen ED: 2000 accounts) i Aler 10 - 64 Hes Apply Default ED Remote Engine ED Configuration		
Log Server Static Route	Address Type: Hostame   Engree ID: 110 - 64 Herr:  Appoly	er Address:	
+ EEE	Server Address     Remove	Eng	First Printees [1] Next Last

### Figure 6-27: View the SNMP configuration information

By default SNMP is not open;

SNMP monitoring software and switches the SNMP version is consistent, if inconsistencies can lead to communication failure.

# 6.6.2 ACTIVATE THE SNMP

Click ON the "System Management" "SNMP", choose the SNMP service, click ON the "OFF" to "ON", and the ipv6 SNMP will be enable too ;click ok:

	Current Diseradown	Settings saved)		(Č) Leig Gal
System Home	SNMP Contiguration View Group User Communit			
Quick Configuration	SNMP Configuration			
+ Port Management	SNMP Service:			
+ VLAN Management	SNMP Trap Configuration			
+ Fault / Safety	SNMP TRAP Service:			
- System Management	type: SNMP Authentication Treg Port Liell Up	Port Line Down		
System Settings Firminare Upgrade	Cod Start Warm Start	GTP Tres		
System Information	Apply			
Configuration Management	Coefgure Engine			
Dual Configuration	Empire ID: 00006-020000-05357-109(10 - 64 Her)			
RMON	Apply Default ID			
LLDP Settings	Remote Engine ID Configuration			
Administration	Address Type: Hostname	Server Address:		
Static Route	Engine ID: 10 - 64 Hexi			
+ QoS	Apply			
+ EEE	Server A	doress	Engine (D)	Dente
	C NHION			First Previous (1) Next Lasts // IPage

Figure 6-28: Activation SNMP function

Activation function SNMP configuration steps are as follows:

Step1:Choose open SNMP options; step2:Click "OK" button to complete the configuration.

### 6.6.3 TO DISABLE THE SNMP

Click ON the "System Management" "SNMP", choose the SNMP service, click ON the "ON" to "OFF", and the ipv6 SNMP will be disable too; complete the configuration:

	Current Uveradmin	Settings saved)	1000		🕑 Log Dut
System Home	SNMP Configuration View Group User Community,				
Quick Configuration	SNMP Configuration				
+ Port Management	SNMP Service: On				
+ VLAN Management	SNMP Trap Configuration				
+ Fault / Safety - System Management System Settings Firmware Upgrade System Information	SNNR TRAP Service: CVTF Type: DNNP Admenication Tage Portion Up Cost Taxe Diversities Apply:	IIIPert Link Down IESTIP Trep			
Configuration Management	Configure Engine				
SNMP RMON	Engline ID: (00064/200064/53374/69)10 - 64 Hel: Apply Default ID				
LLDP Settings	Remote Engine ID Configuration				
Log Server Static Route	Address Type: Hostname   Engine ID: 10-64 Hest  Apply	Server Address:			
	Server Ad	dress	Engli	e ID Delete	
This	Semove			First Previous [1] Iven	t Lasta / 18 apr

Figure 6-29: Disable the SNMP function

Disable the SNMP function configuration steps are as follows:

Step1:Choose close SNMP options; step2:Click "OK" button to complete the configuration.

# 6.6.4 ACTIVATE THE TRAP

After open the SNMP, select the SNMP TRAP service, click ON the "OFF" to "ON", click ok:

	Current User:admen	Settings saved!		👌 Log Dat
System Home Quick Configuration	SNMP Configuration View Group User Communit SNMP Configuration	TELEVILLE		
VLAN Management     VLAN Management     Pault / Safety     System Management     System Settings     Firmure Upgrads	SMB* Service: Corg SMB* Tage Configuration: FMM# TAUK Force: Corg System (2004) Anterestation Tage Dout Start (2004) Start	Port Link Open		
System Information Configuration Management Dual Configuration SWR07 RMON	Configure Engine Engine 10: 2000/c00100/c00111/4/0910 - 64 Her/ Apply Default ED			
LLDP Settings Administration Log Server Static Route	Remote Engrine ID Configuration Address Type: (Notinana •) Engrine ID: (11) - 64 Hec) Address	Server Address:		
+ EEE	Server A	ddress	Engine ID	Delete First, Previous (1) Next, Las(1) (1) Page

#### Figure 6-30: Activation function of the TRAP

Activate the TRAP function configuration steps are as follows:

Step1:Select "ON" option;step2:Click "OK" button to complete the configuration.

#### 6.6.5 DISABLE THE TRAP

Choose the SNMP TRAP service, click ON the "ON" to "OFF", click "OK", complete the configuration:

	Current Usersatinin	Settings saved!		🙂 Log Cut
System Home	SNMP Configuration View Group User Community			
Quick Configuration	SNMP Configuration			
+ Port Management	SNMP Service: CN			
+ VLAN Management	SNMP Trap Configuration			
+ Fault / Safety	SMMP TRAP Service:			
System Settings	type: SNMP Authentication Trap Port Link Up Cold Start Warm Start	Port Link Down		
Firmware Upgrade System Information	Apply			
Configuration Management	Configure Engine			
Dual Configuration	Engine ID: 50006-#00000-05317+869(10 - 54 Hex)			
RMON	Apply Default ID			
LLDP Settings	Remote Engine ID Configuration			
Administration Log Server Static Route	Address Type: Hostname   Engine (0:	Server Address:		
+ QoS	Server Add	tress	Engine ID	Delete
+ EEE	Remove			First Previous (1) Next Lasts / 1Page

#### Figure 6-31: Disable TRAP function

Disable the TRAP function configuration steps are as follows:

Step1: Select "ON" to "OFF" option.step2:Click "OK" button to complete the configuration.

# 6.6.6 CHANGE OF COMMUNITY

Click on the "System Management" "SNMP", in the community name text box input: nihao, permissions choice: read and write, click the "OK" button, complete the configuration:

	Current User:admin					24	C Log Oul
System Home	SNMP Configuration View	Group User	Community	Notification			
Quick Configuration	Notice: 1. The default MIB View Is all						
+ Port Management	Configure Community						
+ VLAN Management + Fault / Safety	Community Name: testing MIB View: viewDefault	)(1-20 chars)		Access Mode: Read-Only +			
- System Management	Apply						
System Settings	Community List						
System Information		Community Name			Access Mode	MB View	
Configuration Management		private			Read//vite	viewOetauit	
Dual Configuration		(autor)			Raid-Only	vimOrtaut	
SNMP					and the second se	First Previous [1] Next Ladia	7 tPage
LLDP Settings Administration Log Server Static Route							
+ EEE							







Change community configuration steps are as follows:

Step1:In the community name dialog box input:testing;

step2:Select "RO" permissions;

step3:Click on "OK" button, complete the configuration.

# 6.6.7 ADDED THE SNMP TRAP SERVICE HOST

Click on the "System Management" "SNMP", in the host IP text box input: 192.168.100.83, TRAP community name: public, SNMP version choice: V2C, click the "OK" button, complete the configuration:



Figure 6-34: Increases the SNMP TRAP service host

Notification List									
	IP Address	UDP Port:	Community/User	Version	Security Level	type	Retry	Timeout	Delete
	192.168 100.40	762	testing	¥3		Trap			×
Remove								First Previous [1] Nevt Lacts	1 Page



Increase the SNMP TRAP service host configuration steps are as follows:

Step1:In the host IP dialog box input: 192.168.100.40;

step2:In TRAP community name dialog input: testing;

step3:Select the SNMP version: V1;

step4:Click on "OK" button, complete the configuration.

When an SNMP closed, hide the SNMP TRAP service host list.

### 6.6.8 DELETE THE SNMP TRAP SERVICE HOST

Click on the "System Management" "SNMP", in the SNMP TRAP service host list need to delete the object, click right "finish" configuration:

	Curre	nt Useraidmin								C Log Out
System Home	SNMP Configs	aration View G	iroup User Community	Notification						
Quick Configuration	Notice: 1 if the ve	rsion is SNMPv3, the name is the	e user name, otherwise the community name.							
+ Port Management	Configure Notific	ation								
+ VLAN Management + Fault / Safety - System Management System Settings Firmware Upgrade	Comm Sec Apply	P Address: 192 168 100 40 anity.User: testing with Lavel: no.Auth/spin/ Retry:	* (1-255, default 8)	UDP Port: 162. Version: V1 Type: Trap Teneout:	(1-65535.default (62) • • =================================					
System Information	Notification List									
Configuration Management Dual Configuration Strump RMON LLDP Settings	C Remove	IP Addness 192.168 100.40	UDP Port 162	Community/User testing	Version 191	Security Level	type Trap	Retry	Timeout Tirst Filevious (1) Next 1	Detets X Last1 / 19%pe
Administration Log Server Static Route										
+ 888										



# 6.7 Administration

# 6.7.1 CHECK THE Administration

Click on the "System Management" "Administration", you can view the telnet, https, ssh configured information:

	Carrent Unersadmin	😋 100 CM
System Home	Administration	
Quick Configuration	Notice: SSH takes a long time to open for the first time. Please be palient	
+ Port Management	Administration Settings	
+ VLAN Management	Teltorit CN B	
+ Fault / Safety	HTTPS: CONTRACTOR	
- System Management	SSHC COMPANY	
System Settings		
Firmware Upgrade		
Configuration Management		
Dual Configuration		
SNMP		
LLDP Settingi		
Administration		
Log Server		
Static Route		
+ QoS		
+ EEE		



	Carried Uneradmin	
System Home	Administration	
Quick Configuration	Notice: SSH takes a long time to open for the first time. Please tie justeer:	
+ Port Management	Administration Settings	
+ VLAN Management	Tablet and an	
+ Fault / Safety	HTTPS: CH	
- System Management	SSH: CN	
System Settings		
Fernware Upgrade		
System Information		
Configuration Management		
Dual Configuration		
SNMP		
RMON		
LLDP Settings		
Administration		
Log Server		
Static Room		
+ QoS		
+ 888		

Figure 6-38: telnet, https, ssh configuration

# 6.8 LOG SERVER

# 6.8.1 CHECK THE LOG SERVER

Click on the "System Management" "Log Server", you can view the log server configured information:

and a second second second	Contraction of the local distance of the loc						Contraction of the second
System Home.	Log Server						
Quick Configuration	Host IPv4 Address:		Facility: Local 0	•			
+ Port Management	UDP Port	(514,1024-65535)	Severity: Warning	•			
+ VLAN Management	Apply						
+ Fault / Safety	List						
- System Management		Host IPv4 Address		Severity.	Facility	UDP Port	Edit
System Settings							First Previous (1) Next Lasts 71Page
Firmware Upgrade							
System Information							
Configuration Management							
SNMP							
RMON							
LLDP Settings							
Administration							
Log Server							
Static Rouns							
+ Qos							
+ EEE							



#### 6.8.2 Log server configured

Click on the "System Management" "Log Server", you can view the log server configured information, Enter the ip address of the log server in the "host ipv4 address", enter the port number bind to the log server when it is running in the udp port, and set the log level in the Severity selection:



# 6.8 STATIC ROUTE 6.8.1 CHECK THE STATIC ROUTE

Click on the "System Management" "Static route", you can view the static route configured information:

	Current Usercadmin						O Log Chr
System Home Quick Configuration	Static Route						
+ Port Management	Destruction IP	Mask	Gateway	Apply	Delete All		
+ VLAN Management	Static Routing List						
+ Fault / Safety	Destina	Bon P		Mask		Gateway	Edit
- System Management System Settings							First Previous [1] Avent Law[1 / Thage
Flemware Upgrade							
Configuration Management							
Dual Configuration SNMP							
RMON LLDP Settings							
Administration							
Log Server							
+ QoS							
+ FEE							

#### Figure 6-41: View the static route

### 6.8.1

Click on the "System Management" "Static route", Configure the ip address of the destination network segment in the "Destination IP" option, and configure the ip address of the next hop in the "Gateway" option:

Note: The static routing of this device only supports ipv4 static routing, and the device has the corresponding IP address of the next hop network segment.



Figure 6-42: static route configuration

# 6.7 RMON

### 6.7.1 VIEW ROMN CONFIGURE INFORMATION

Click on the "System Management" "RMON", can view RMON configure information.

	Current Uneradom	Log Out
System Home	RHON	
Quick Configuration	RMCM Configure	
+ Port Management	Configure Type: # Alam UEsert 10Habry	
+ VLAN Management	Select a port 50 configure	
+ Fault / Safety		
- System Management		
System Settings	Cotons out Press port Selected port Aggregation port Select all Select all Others Cancel	
Firmeare Upgrade	Inden: (1-45535) Variable: Broakcast-skits •	
Configuration Management	Interval 1/2/147/255477 Sample Type: (Anothe •)	
Dual Configuration	Basing Thresholds [15-21/2335847] Provide Level in Marce: 17490203 Failing Chrysholds [0-27/223588] Failing Chrysholds: [14-0555]	
SNMP	Type: Failing • Owner (0-31 chard)	
RMON	Apply	
LLDP Settings	Atarm List Event List Restory List Statistics List	
Log Server	Index Interval Port Variable Sample Type Type Rising Threshold Rising Event Index Falling Threshold Falling Event Index Owner	Delete
Static Route	Pest Previous (1) Next Lists	/ IPape
+ QoS		
+ EEE		

Figure 6-37: View RMON configure information

### 6.7.2 CONFIGURE ROMN TYPE

Configure ROMN type : Alarm, selected one port to configure and setting parameters and click "Save" button.

	Current Uneradmine	C Lag Out
System Home	RMON	
Quick Configuration	FMON Configure	
+ Port Management + VLAN Management + Fault / Safety - System Management	Contiguer 7 por 8 Aum Berert Brintoy Select a port to configure 1 3 5 7 9 11 3 5 7 19 17 12 2 2 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
System Settings Firmware Upgrade System Information Configuration Management Dual Configuration SNMP	Cotoner port Calende for Calende and Calender Cancel Inserve Select al Colors Cancel Inserve Select Calender Calender Cancel Inserve Select Calender Calender Calender Cancel Inserve Select Calender C	
LLDP Settings Administration Log Server Static Route	LANDER EINER AND FOR VIEWER STEINER STEINER EINER STEINE STEINER STEINE STEINER STEINE STEINER	er Delleta
+ QoS + EEE	18225 2554521 1 Petrophicas advance Roung or Falling P 1 5 1 per Trict Press [1] Inde La	er 🗙 ets //tPiege

Figure 6-38: configure ROMN type

Notice:Parameters There are some special rules in the configuration. Please note the prompts in the configuration.eg:Rising Threshold is greater than Falling Threshold.

# 6.7.3 CHANGE ROMN TYPE

On the romn configure page, click the type "Event" or "History" and setting parameters. Be careful the parameter of Community should be exit in SNMP Community name. Configure ok after clicking "Save".



Figure 6-39: Change ROMN type is Event

	Current Useraidmin						O Log Dat
System Home	RMON						
Quick Configuration	RMON Configure						
+ Port Management	Configure Type: @ Alarm Select a port to configure	Event Heistory					
+ Fault / Safety							
System Settings	Cotonal port Prived port Select	ed port TTApprepation port Select al	Select all others Cancel				
Firmware Upgrade System Information	Andex: 5 Buckets: 50	(1-65535) (1-50)	Interval: 3000 Owner: t+s1309	(1-3600) (0-31 characters)			
Configuration Management Dual Configuration	Apply						
SNMP	Alarm List Event List	History List Statistics Lis	1				
LLDP Settings	Index	Port	Buckets	inte	rval	Dener	Detete
Administration	4	- 6	59	- 38	50	Vest369	×
Log Server Static Route							First Previous [1] Nest Last / (Page
+ QoS							
+ FFF							

Figure 6-40: Change ROMN type is History

When the parameters are configured ,click the Statistics List .We can choose the port to view the information .

	Carrent Unercalizer			0 Lago			
System Home	RMON						
Quick Configuration	RMON Configure						
+ Port Management	Configure Type: UAlarm UEvent #Hittory						
+ VLAN Management	Select a port to configure						
+ Fault / Safety							
- System Management	2 4 6 8 10 12 14 16 18 20 22 24 79 28						
System Settings	Optional port of fixed port of fixed port (1) Apprepation port	Select all Select all others. Cancel					
System Information	Index: 6 (1-05535)	Interval: 2000 (1-3400)					
Configuration Management	Apply	and Aller persons in					
Dual Configuration							
INCH	Alarm List. Event List. Hestory List. Mater	tes List.					
LLDP Settings	Port 28 •						
Administration	Received Octeta		Collasors				
Log Server Static Reute	Received Peckets		Drop Events	4			
Oas	Timadoni Packets		Frames of 64 Octats				
	Multicast Packata		Frames of 65 to 127 Octans				
T MAN	Understar Packets		Frames of 128 to 255 Octats	4			
	Overaize Packeta		Frames of 256 to 511 Octets				
	CRC Align Enters		Frames of 512 to 1023 Octeta	4			
	Jabbers		Frames of 1024 to 1518 Octavia	4			
	Description						

Figure 6-41: View the port configure information

### 6.7.4 DELETE THE CONFIGURED RULE

Select the entry you want to delete and click Fork to delete the unwanted configuration

Alarm List	Even	nt List	History List. Statistic	os List							
Index I	Interval	Port	Variable	Sample Type	Туре	Rising Threshold	Rising Event Index	Falling Threshold	Failing Event Index	Owner	Detete
65225 2	2584821	4	Pkts 128to255Octets	absolute	Rising or Failing	9	1	5	1	power	X
									First Previous [1	Next Last1	/ 1Page

Figure 6-42: Delete the Alarm list rule

Alarm List Event List	History List	Statistics List			
index	Туре	Community	Description	Owner	Delete
1	Log		text	owner	×
				4	First Previous (1) Next Lasta / (Page

#### Figure 6-43: Delete the Event list rule

Délete	Owner	Internal	Bockets	Port	Index
			and the second s		Com.
×	tent169	3600	50	,	5

Figure 6-44: Delete the History list rule

# 7 QOS

# 7.1 PRIORITY SCHEDULE

# 7.1.1 VIEW THE PRIORITY SCHEDULE

Click on the "QOS" "priority schedule", can view the device priority schedule:

	Current User:admin		C Ling Out			
System Home	Priority Schedule					
Quick Configuration	Note: 1 By default the 802 to is chosen To enable DSCP mode, peaker i 2 if you want to see more detail QoD status Please go to CLI many	elect the DSCP mode and press to go to DSCP limonity Settings page. Il and check the delait				
+ VLAN Management	Scheduling mark 802 to • Scheduling algorithm Strict Phonty •					
+ System Management - GoS						
+ EEE	Image: Strategies     Image: Strateg					
	PortList					
	Port	Scheduling algorithm	cos			
	4	58	4			
	2	58				
	4	54				
	4	3P				
		18	4			
		60	2			

#### Figure7-1: priority schedule

### 7.1.2 THE CONFIGURATION GLOBAL SETTINGS OF SP

### 7.1.2.1THE CONFIGURATION GLOBAL SETTINGS OF 802.1P SP

Click on "QOS" "priority schedule" "global settings", in scheduling mark, choose 802.1p, in the Scheduling algorithm, choose strict priority.

	Current Usercadmin		🙁 Log Out				
System Home	Priority Schedule						
Quick Configuration	Note: 1 By default the IN2 to is chosen to enable DSCP mode, please se 2 If you want to see more defail DoS status. Please go to CLI manual	ect the DBCP mode and press to go to DBCP Priority Settings page. and check the defail					
+ VLAN Management	Scheduling mark 802 tp + Scheduling algorithm Strict Prorty +						
+ Fault / Safety	Select a port to configure:						
+ System Management							
- Goš							
+ EEE	Cotional port Prived port Selected port Maprepation port	2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5					
	cos: 4 •	tos 4 •					
	Apply						
	Port List						
	Port	Scheduling argorithm	cos				
		Sb.					
	.2						
	4	9					
		5P					
	A	9F					
	4	59					
	1	SP.	4				
	14C	50					

Figure 7-2: global settings in 802.1p and SP

7.1.2.2THE CONFIGURATION GLOBAL SETTINGS OF 802.1P SP ADD WRR

Click on "QOS" "priority schedule" "global settings", in scheduling mark, choose 802.1p, in the Scheduling algorithm, choose WRR.

	Current Unercadores		🕑 Lag Cas
System Home Quick Configuration Port Management VLAN Management Pault / Safety	Priority Schedule Note 1 By default for 20 (p is chosen To enser DiCCP mode, passar 2 / fylo wint to sea more deal of status (Please g is CLU mer Scheduling mark (20 (p + ))) Scheduling apprimer	Head The SDCP mode and press to go to SDCP Privaly Settings page at and cleach the statut The spaces weight sales configuration: weight 5 (1/12) (1/12) (1/12) (1/12)	
+ System Management - OoS Prioring Schnidole + EEE	Select a part to configure:           1         3         5         7         6         10 </td <td>aumatik imi         (n-127)         0.0007         32         (n-127)           gunnet ik         (n-127)         gunnet ikk         (n-127)           1        </td> <td></td>	aumatik imi         (n-127)         0.0007         32         (n-127)           gunnet ik         (n-127)         gunnet ikk         (n-127)           1	
	COS: 4 •		
	Pert	Scheduling algorithm	cos
	î.	WRR	à.
	4	WAR	
		10.00	

Figure 7-3: global settings in 802.1p and WRR

Priority schedule steps are as follows:

Step1: in scheduling mark , choose 802.1p;step2:in the Scheduling algorithm,choose WRR ,step3:in queue1 text box, enter the weight value ,such as 1;step4:in queue2 text box, enter the weight value ,such as 20;step5:in queue3 text box, enter the weight value ,such as 40;Step6:in queue4 text box, enter the weight value ,such as 1;

Step1: in scheduling mark , choose 802.1p;step2:in the Scheduling algorithm,choose hybrid ,step3:in strict priority text box, choose the queue3,4;step4:in WRR text box, choose the queue 1,2 ;step5:in queue1 text box, enter the weight value ,such as 1;Step6:in queue2 text box, enter the weight value ,such as 20;

# 7.1.3 THE CONFIGURATION GLOBAL SETTINGS OF DSCP

# 7.1.3.1THE CONFIGURATION GLOBAL SETTINGS OF DSCP AND SP

Click on "QOS" "priority schedule" "global settings", in scheduling mark, choose DSCP, in the Scheduling algorithm, choose strict priority.

	Carrent Uner admin		
ystem Home	Priority Schedule		
uick Configuration	Note 1 By default the 802 Tp is chosen To enable DSCP mode, piezes select the D	ISCP mode and prest to po to DSCP Priority Settings page.	
Port Management	2 If you want to see more detail Ood status, Please go to QU manual and check	ck the delial	
VLAN Management	Scheduling mark DSCP • Scheduling algorithm Strict Promy •		
Fault / Safety	Apply		
System Management	the second s		
QeS	PertList		
Deliverity Colondaries	Error DECD value: A To DECD value: 6 •	Driveller 7 •	
Transf Scontines		Plands, F	
EEE	DSCP value	Priority	Edz
EEE	DSCP value	Printy 1	tde De
EEE	DSCP value	Pointy 1	tas D
EEE	DSCP values	Plotty 1	tar 2 2
EEE	DCP stars	Promy Control	tar De De De De
EEE	Other Hank (* * )     Other Hank (* * )	Pourg	
EEE	OCCHARTER ( ) (OCCHARTER ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	Pourg	ter 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
EEE	CCCP relations ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Pointy	
EEE	0000 Hole ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Promy	
eee	00000 0000 0000 0000 0000 0000 0000 0000	Promp :	

Figure 7-6: global settings in DSCP and SP

Priority schedule steps are as follows:

Step1: in scheduling mark , choose DSCP; step2: in the Scheduling algorithm, choose strict priority,

step3:in from DSCP value text box, choose 0 and in to DSCP value text box, choose 1 and in priority text box, choose low ;

step4:in from DSCP value text box, choose 2 and in to DSCP value text box, choose 3 and in priority text box, choose medium;

step5:in from DSCP value text box, choose 4 and in to DSCP value text box, choose 5 and in priority text box, choose high;

step6:in from DSCP value text box, choose 6 and in to DSCP value text box, choose 8 and in priority text box, choose highest;

# 7.1.3.2THE CONFIGURATION GLOBAL SETTINGS OF DSCP AND WRR

Click on "QOS" "priority schedule" "global settings", in scheduling mark, choose DSCP, in the Scheduling algorithm, choose WRR.

	Current User admin				0
stem Home	Priority Schedule				
uick Configuration	Note: 1 By default the 902 to is ch 2 If you want to see more def	osen To enable DSCP mode, per tai QoS status Pieses go to CU n	an assect the DSCP mode and press to go to DSCP Prosity Settings page amual and check the detail		
VLAN Management	Scheduling mark	DSCP •	The groue weight value configuration:	0.020	
Fault / Safety System Management	Scheduling algorithm	WRR •	онон т (1-127) оннен и орнон2 20 (1-127) оннен б 10 орнон3 40 (1-127) орнон7 12 орнон4 1 (1-127) орнон7 12	(1+127) (1+127) (1+127) (1+127)	
QoS Priority Schedule	Apply				
EEE	1				
	PortList				
	From DSCP salue: 0	To DSCP value:	0 • Priotity: 1 •	Apply	
	Port List From DSCP value: 0 DSCP value	To DSCP wither:	₽ • Priority: (1 • ) Prior	Apply .	Edit
	Prom DSCP value: 0 DSCP value: 0	To DSCP value:	D • Priority: 1 • Priority: 1 • Priority: 1	Analy av	tee St
	PortLast Prom DSCP value: 0 DSCP value 1	To DSCP value:	a v Privilegi v Privilegi T v Privilegi v	Audu 1	100 2 2
	ProtLati Pros DSCP value: 0 DSCP value: 0 1 2	To DSCP wither:	8 • Phone (1 • • ) Phone (1 • • ) 1 1	Auriy	
	From DSCP value: (8 0 0 1 2 3	To DSCP value: as	8 • Priority (1 • V) Priority (1 • V) 1 1 1 1	ny N	000 22 22 22
	Proti List From DSCP salvet: (b) DSCP value 1 2 3 4	• To DSCP value:	8 • Priorge (1 • • ) 1 1 1 1 1 1 1 1	ny	000 22 22 22 22 22 22
	Post Las From DSCP asher: @ DSCP van 7 2 3 4 5	• To DSCP value:	8 • Priorp ( <u>1 • •</u> ) Prior 1 1 1 1 1 1 1 1	Reefy ry	
	Portual Pron DSCP sales: DSCP van 9 7 2 3 4 5 5 6 8	To DSCP value; et	8 • Phone 1 • Ph	ny Ny	
	PPELAN Free DSCP sales: 6 DSCP van 4 4 5 7	• To DSCP value:	8 • Priority (1 • V) 7 1 1 1 1 1 1 1 7 7	ny	
	Pretuit Free DSCP sales 6 DSCP van 2 2 4 5 5 6 7 7 7 8	• To DSCP value:	8 • Priority (1 • • ) 1 1 1 1 1 1 1 1 1 1 1 1 1	ny	

Figure 7-7: global settings in DSCP and WRR

Priority schedule steps are as follows:

Step1: in scheduling mark , choose DSCP ;step2:in the Scheduling algorithm,choose WRR ,step3:in queue1 text box, enter the weight value ,such as 10;step4:in queue2 text box, enter the weight value ,such as 20;step5:in queue3 text box, enter the weight value ,such as 30;Step6:in queue4 text box, enter the weight value ,such as 40;

Figure 7-10: Add the port to the VLAN

Modify DSCP values follow these steps:

Step1:select DSCP values and Click" 2 "icon;

step 2:In the priority text box, choose medium;

step3;click on the apply;

step 4:click OK.

# 8 EEE

# 8.1 EEE

Click "EEE". View the EEE configuration details. Function is turned off by default.





# 8.2 ENABLE 802.3AZ EEE SETTINGS

Enable 802.3az and click \_\_\_\_\_\_\_change the status.Finally save the configure.

	Current Useradmin	Settings saved!	· · · ·	🔱 Log Out
System Home	802.3az EEE settings		R.C.	
Quick Configuration	Notice: The interface will link down and then up, when enabledisable EEE			
+ Port Management	802.342 EEE settings			
+ VLAN Management	02.5az EEE: CN			
+ Fault / Safety	Apply			
+ System Management				
- EEE				
ELE				

Figure 8-2 Enable 802.3az EEE