

16/24 Port Network Management Switch



User Manual

DN-80211-2 • DN-80221-2

Content

1.	Produ	ıct descrij	otion5
1.	Appea	arance de	scription6
	1.1.	The front	panel6
	1.2.	Back pan	el7
2.	Instal	lation of	equipment8
	Anno	uncement	s8
	2.1.	Desktop i	nstallation9
	2.2.	Rack Insta	allation10
	2.3.	Turn on s	witch12
	2.4.	Console P	Port Interface12
3.	Web-	based GU	I15
4.	Switc	h manage	ment17
	4.1.	System se	ettings17
	4.	1.1.	Basic Information: 17
	4.	1.2.	Serial Information:17
	4.	1.3.	User Management 18
	4.	1.4.	Safe Management 19
	4.	1.5.	SNTP configuration 19
	4.	1.6.	Current Configuration 20
	4.	1.7.	Configuration File 21
	4.	1.8.	File Upload 21
	4.	1.9.	System Reset 22
	4.2.	Port Conf	iguration22
	4.	2.1.	Common Configuration 22
	4.	2.2.	Port Statistic
	4.	2.3.	Flow Control 23
	4.	2.4.	Broadcast storm 24

4.2.5.	Port Rate Limit	. 25
4.2.6.	Protected Port	. 25
4.2.7.	Learn Limit	. 26
4.2.8.	Port Trunking	. 26
4.2.9.	Mirror	. 27
4.3. MAC Bin	d	. 28
4.3.1.	MAC Bind Configuration	. 28
4.3.2.	MAC Auto Binding	. 28
4.4. MAC Filte	er	. 29
4.4.1.	MAC Filter Configuration	. 29
4.4.2.	MAC Auto Filter	. 29
4.5. VLAN Co	nfiguration	. 30
4.5.1.	VLAN Information	. 30
4.5.2.	VLAN Configuration	. 30
4.5.3.	VLAN Port Configuration	. 31
4.6. SNMP Co	nfiguration	. 32
4.6.1.	Community Name	. 32
4.6.2.	TRAP Target	. 32
4.7. ACL Conf	iguration	. 33
4.7.1.	ACL Standard IP	. 33
4.7.2.	ACL Extended IP	. 33
4.7.3.	MAC IP	. 34
4.7.4.	MAC ARP	. 35
4.7.5.	ACL information	. 35
4.7.6.	ACL Reference	. 36
4.8. QOS Con	figuration	. 36
4.8.1.	QOS Apply	. 36
4.8.2.	QOS Scheduling	. 37
4.9. IP Basic C	Configuration	. 38

4.9.1.	IP Address Configuration	38
4.9.2.	ARP Configuration and Display	38
4.9.3.	Host Static Route	39
4.10. AAA Co	nfiguration	39
4.10.1.	Tacacs+ Configuration	39
4.10.2.	Radius Configuration	40
4.10.3.	802.1x Configuration	40
4.10.4.	802.1x Port Configuration	41
4.10.5.	802.1x User Auth-Information	41
4.11. MSTP C	onfiguration	42
4.11.1.	MSTP Configuration	42
4.11.2.	Port configuration	42
4.11.3.	Port Information	43
4.12. IGMP S	NOOPING Configuration	43
4.12.1.	IGMP SNOOPING Configuration	43
4.12.2.	Multicast Group Information	44
4.13. GMRP C	Configuration	44
4.13.1.	GMRP Global Configuration	44
4.13.2.	GMRP Port Configuration	45
4.13.3.	GMRP Stats Configuration	45
4.14. EAPS Co	onfiguration	46
4.14.1.	EAPS Configuration	46
4.14.2.	EAPS Information	46
4.15. RMON 0	Configuration	47
4.15.1.	Statistics Configuration	47
4.15.2.	History Configuration	47
4.15.3.	Alarm Configuration	48
4.15.4.	Events Configuration	48
4.16. Cluster	management	49

Specification							
4.17. Log manageme	ent	51					
4.16.3.	Cluster Configuration	50					
4.16.2.	NTDP Configuration	49					
4.16.1.	NDP Configuration	49					

Package Contents

Check the following contents of your package:

- Network Switch x 1
- User's Manual x 1
- Power Cord x 1
- Accessories (Rack Mount Ear x2, Rubber Feet x4, Screw x8)

If any part is lost and damaged, please contact your local agent immediately.

1. Product description

Thank you for purchasing this managed Switch.

It is composed of excellent design and in general the development of switches. It provides rich of two layer management function, has excellent of performance and friendly of management interface, can full meet user of need, including system configuration, and port configuration, and MAC bound, and MAC filter, and VLAN configuration, and SNMP configuration, and ACL configuration, and QOS configuration, and IP basic configuration, and AAA configuration, and MSTP configuration, and IGMP SNOOPING configuration, and GMRP

Product Features

- Support RJ45 Auto-MDI/MDIX
- Comply with IEEE802.3, IEEE802.3 u, IEEE802.3 ab, IEEE802.3 z, IEEE802.3x standard
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az)
- Panel lights to monitor working state and help fault analysis
- Perfect security mechanism
- Supports a complete lineup of L2 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP, Link
- Aggregation Control Protocol and 802.3x Flow Control function
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies

1. Appearance description

1.1. The front panel

The DN-80211-2 16GE+2G SFP by 16*10/100/1000Mbps and 2*1000Mbps SFP, one console port, a reset switch, and a related indicator, as shown below:



The DN-80221-2 24GE+4G SFP by 24*10/100/1000Mbps and 4*1000Mbps SFP, one console port, a reset switch, and a related indicator, as shown below:

2462-46 59P Gaptet Web Search Sank	,
Console LED indicator Reset Switch 24*10/100/1000Mbps RJ45 Port 4*1000Mbps SFP slot	

LED indicator light

LED	Color	Description				
	Croon	Death: switch does not power on				
PWK	Green	Permanent: the switch is powered on				
Sustem	Croon	Blinking: the system works				
System	Green	Out: the system is starting or has no power				
		Death: not connected to the network equipment				
	Green	Orange light: connected to 10/100Mbps devices				
LINK/ACT	Orange	Green light: connected to 1000Mbps devices				
		Blinking: connected devices are data transmission				

1.2. Back panel

Back panel: The Switch have AC power connector, AC input range 100-240V, 50/60HZ, the grounding screw holes, as shown below:

DN-80211-2



DN-80221-2



Power socket

Connect the female connector of the power cord here, and the male connector to the AC (Alternating Current) power outlet. Please make sure the voltage of the power supply meets the requirement of the input voltage.

Grounding column

The switch already comes with lightning protection mechanism. You can also ground the switch through the PE (Protecting Earth) cable of AC cord or with Ground Cable.

2. Installation of equipment

Announcements

To prevent equipment damage and personal injury caused by improper use, please observe the following precautions:

- Before cleaning switch should switch power supply plug pulled out. Do not use wet cloth to wipe the switch, do not use liquid to clean the switch
- Do not switch on the water or wet places, and prevent water or moisture from entering the switch chassis
- Do not place the switch box in unstable or table, in case of fall, will cause serious damage to the switch
- Should maintain good indoor ventilation and keep the ventilation holes of the switch open
- Switch to the proper voltage to work properly, make sure the switch working voltage matches the voltage indicated
- To reduce the risk of electric shocks, switches, do not open the enclosure, even in neutral situations or don't turn on the switch chassis

2.1. Desktop installation

- 1. Placed the bottom of the switch on large enough and stable desktop
- 2. Tear off pad surface of the paste that comes with random paper
- 3. paste the pad to switch the Groove at the bottom of the housing to prevent external vibrations
- 4. Reset the switch on the Workbench cautiously



(Example DN-80221-2)

2.2. Rack Installation

Check EIA-19inch machine Cabinet of grounding and stability, first, with screws will installation hanging ear fixed in switch front Panel sides will switch placed in machine Cabinet of a bracket, along machine Cabinet guide slot Mobile switch to right location, then, with screws will installation hanging ear fixed in machine Cabinet ends of fixed guide slot, ensure switch stable to installation in machine Cabinet slot bit of bracket. Equipment mounting brackets are not used for load-bearing; it only plays the regular role. When installing the equipment cabinet, box bottom bracket (fixed on the Cabinet) to support the device.

DN-80211-2





DN-80221-2





2.3. Turn on switch

Please connect the AC power cord into the rear of the switch and to an electrical outlet (preferably one that is grounded). When the switch is powering on, the LED indicators flash momentarily for one second, which represents resetting of the system. The Power LED indicator turns on green.

Note: Please confirm the voltage is correct before turn on power, otherwise the switch will be damaged. (The power input is: 100V-240Vac, 50/60Hz.)

2.4. Console Port Interface

3.4.1 Connection The monitor port has a monitor port (Console port), this section describes the characteristics of this monitoring port and how to use it.

First step: Rate 1200bps-115200bps, standard RJ45 plug. Use a

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



The second step to start the terminal emulation software on the PC (such as: Windows HyperTerminal) can be configured for the switch, monitoring and other operations. The cable is supplied with the host. The terminal serial port communication parameters can be set as right: rate-9600bps, eight bits data bit, one stop bit, no parity bit, no flow control. The communication parameters of HyperTerminal are configured as follows:

Serial Options									
Port: Baud rate:	COM15 • 9600 •	Flow control							
Data bits: Parity:	8 None	RTS/CTS							
Stop bits:	1 •								
Name of pipe:									
Serial break length: 100 🔺 milliseconds									

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



Console Port PIN Definition:

Pin number	English name	Note
One	CD	No connect
Two	RXD	Input
Three	DSR	No connect
Four	TXD	Output
Five	RTS	No connect
Six	CTS	No connect
Seven	DTR	No connect
Eight	SG	GND

NOTE:

The switch console port does not support the flow control function, so when the switch is configured with HyperTerminal, the data flow control should be set to "none", otherwise the problem of HyperTerminal single pass will occur. This cable is used to connect the console port of the switch to the external monitoring terminal. One end of the RJ45 eight-pin plug, the other end is a 25-hole plug (DB25) and 9-hole plug (DB9), RJ45 head into the switch's console port socket, DB25 and DB9 can be used according to the requirements of the terminal serial port, the cable internal connection schematic as follows:

RJ4	5				DB9
	1	CD	1 5m	CD	1
	2	RXD	1.5111	TXD	3
	3	DSR		DTR	4
	4	TXD		RXD	2
	5	RTS		CTS	8
	6	CTS		RTS	7
	7	DTR		DSR	6
	8	GND		GND	5
L					
			GND		

NOTE:

Enter "?" in the console Port command line interface Command action tips to see what features are available in pre-mode

3. Web-based GUI

When you first logon, make sure the following:

- 1. Switch power supply has been started normally.
- 2. Management console has been correctly installed cable network and the network card driver, and has set up a correct installation of Internet explorer 6.0 or above and the browser.
- 3. Management host IP address is set to the same network segment and switch ports, namely 192.168.2. X (X for any integer between 2 to 254), subnet mask 255.255.255.0.In order to ensure you better experience of the Web page display effect, it is recommended that you adjust the resolution of the display to 1024 x 768 pixels or above. Open the IE browser, type http://192.168.2.1 login switches in the address bar of a Web page.

15



Open an IE browser and enter http://192.168.2.1 in the address bar to logon to the switch's Web page.



Switches to the login page, switch input user name and password in this page, the factory default values for the admin/password less. After a successful login you can see switch configuration interface.

4. Switch management

4.1. System settings

4.1.1. Basic Information:

This page displays and configures some of the parameters for the switch.

			Inth up disable disable trick down
🔄 Switch		System C	onfiguration
System Configuration Basic Information Serial Information User Management Safe Management	System Description System Object ID System Version Num Network Interfaces System start time	Switch 1.3.5 1.3.6.1.4.1.12284.67 Switch 1.3.5 29 D.Dave D.Houre 4D.Minutes 49-Seronds	
SNTP Configuration Current Configuration Configuration Configuration File	System Name	Switch	\sim
File Upload System Reset	System Location		\sim
Port Configuration MAC Binding MAC Either	System Contact		
VLAN Configuration SNMP Configuration		Refresh	pply Help
ACL Configuration QOS Configuration			
AAA Configuration MSTP Configuration			

You can modify the switch system description, so convenient in the management program switches the remote login screen select the switch that you want to set. Enter the information that you need to display, click on the "apply" button, the settings to take effect. Note system described can only use "a-z", "a-z", "0-9", "_", "+", "-", "=". If the system describes the input characters are characters that are not in line with considerations, input characters are displayed as garbage characters.

4.1.2. Serial Information:

This page displays the serial port information of the switch. This includes its baud rate, character size, parity code, stop bits, and flow control.

	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	18 20 22 24 25 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		 link up disable link down
Switch System Configuration Basic Information User Management Safe Management Suff Configuration Configuration Configuration File Upload System Reset Port Configuration MAC Binding MAC Binding MAC Binding ALC Configuration Con		Serial P Baud Rate Character Size Parity Code Stop Bits Flow Control Re	ort Configuration	

4.1.3. User Management

This page displays and configures user information.

		é Q			25 28 00 00 00 00 25 27			 Ink up disable Ink de 	e www.		
Switch Basic Information Basic Information Serial Information Serial Information Safe Management SATP Configuration Current Configuration Configuration File File Upload	• •			U O R Multi-	Change eer name Id password ew password e-enter password user Manag	admin	rd	on			
System Reset		Item	User name	Old password	N	ew password		Re-enter password		Privilege	
🖲 📄 Port Configuration	Ne	ew 🗸									~
MAC Binding				Refr	esh Apply	Delete	Help]	-		
I 🛄 MAC Filter											
VLAN Configuration											
SNMP Configuration											
QOS Configuration											
IP Basic Configuration											
AAA Configuration											

More user management by giving each user an username, password, and privileges to ensure system security. The switch supports two levels of users: common users and power users. Add privileged users, the privileges required to access Web user name and password authentication.

Attention: The user name and password are case sensitive; please pay attention to the input. If change password or permissions on a multi-user,

old password, new password and enter a new password, permissions, and other options to enter again.

4.1.4. Safe Management

This page is used for configuring http, SNMP and telnet security.

		26 28 88 88 88 88 89 88 27	Ink up disable Ink down	
Switch	User St	fety Configuration (http,teln	et,snmp) (Acl Group	Must Exist, and range in 1-99)
Serial Information	Service Type	Management State	Acl Group	
User Management	×	Enable 🗸	0	
Safe Management	http	Enable	0	
SNTP Configuration	snmp	Enable	0	
Current Configuration	teinet	Enable	0	
Configuration File Configuration File Upload System Reset Port Configuration MAC Biller MAC Biller VLAN Configuration SMMC Configuration ACL Configuration COS Configuration COS Configuration		Refresh Apply Help		

4.1.5. SNTP configuration

This page is used to display and configure the SNTP configuration information.

	24 25 28 0 0 0 0 0 0 0 23 25 77		Ink up disable tink down
Switch	SNTP Con	figuration	
Basic Information	Server IP Address 1	211. 115. 194. 21	
Serial Information	Server IP Address 2	203. 109. 252. 5	
Safe Management	Server IP Address 3	192. 43. 244. 18	
SNTP Configuration	Time Interval (second)	1800	
Current Configuration	Time Zone	GMT+8 🗸	
Configuration File	Enable Status	Disable 🗸	
File Upload	Last Update Time		
System Reset	System Date Time	1970/01/01 00:48:02	
The MAC Binding	Refresh	Apply	
🗄 🧰 MAC Filter			
VLAN Configuration			
SNMP Configuration			
ACL Configuration			
QOS Configuration			
IP Basic Configuration			
AAA Contiguration			

Server IP address:

IP address of the NTP server, the switch will automatically get the UTC time. This switch must be connected to the NTP server.

Get the interval:

SNTP synchronization interval, the unit is seconds, the default is 1800 seconds.

Time zone:

Select the time zone in which.

Apply:

Decide whether to open the SNTP service.

4.1.6. Current Configuration

This page shows the current switch configuration.

		11 20 22 24 26 28 11 12 12 14 26 28 11 12 12 10 0.0 0.0 11 12 12 12 0.0 0.0	 Inits up direative Bink down
Switch System Configuration Serial Information Serial Information User Management Sust Management Sust Configuration Configuration Configuration Configuration File Upload System Reset MAC Binding MAC Binding MAC Binding SubJC Configuration SubJC Configuration SubJC Configuration AAA Configuration AAA Configuration AMSTP Configuration AMSTP Configuration AMSTP Configuration GIMB SNOPPING Configuration GIMB SNOPPING Configuration SUBJC Configuration GIMB SNOPPING Configuration Configuratio	spanning-tree mst configuration interface van1 ip address 122,168.2.1/24 interface ge 1/2 interface ge 1/2 interface ge 1/3 interface ge 1/3 interface ge 1/3 interface ge 1/6 interface ge 1/6 interface ge 1/0 interface ge 1/10 interface ge 1/11 interface ge 1/11	Current Configuration Save Hep	File

Store the current configuration to the configuration file systems.

4.1.7. Configuration File

This page lets you download and delete the configuration file.

		took up demoko demoko took down
Switch System Configuration Basic Information Sirel Information Sirel Information Sirel Information Sirel And Configuration File Upload System Reset File Orti Configuration Sirel And Configuration Construction Sirel And Configuration File Information Code Configuration File File Sair Configuration File File File Sair Configuration File File File File File File File File	Conf	iguration File (Delete the Configuration File to your local computer) Delete Help

Download: Click Download to download the configuration file to your computer.

The configuration file will be named "switch.cfg."

Delete: Deleting the configuration file, will return the switch to its

default configuration.

4.1.8. File Upload

This page lets you upload a configuration file or an image file. A configuration file must end in .cfg and an image file must end in .img.

		26 28 00 00 00 00 25 27	Rink sap disable disable link down
Switch System Configuration Basic Information Basic Information Serial Information User Kanagement Sint Configuration Configuration Configuration Configuration File File Upload Over Configuration MAC Brief MAC Brief MAC Configuration CAL CAL CONFIGURATION CAL	Attention: The Configuration File must have an *-cfg extention The Fromware file must have an *-img extention Do not interrupt the upload at anytime as this may co	File Upload (Upload the Cr orrupt the Firmware or Co 3065	onfiguration File or Firmware File from your local computer to the awtich) anfiguration and Potentially Crash the System Jpload Help

Attention: Do not restart the switch during the upload. This is to avoid a possible system crash.

4.1.9. System Reset

This page lets you reset the switch. To maintain your current switch configuration, save it before resetting.

		Iink up disable link down
Switch System Configuration Serial Information Serial Information User Management Safe Management Safe Management Soft	System Re Reset	eset Help

4.2. Port Configuration

4.2.1. Common Configuration

This page shows the port configurations and information.

			22 24 26 28 1 1 00 00 1 1 00 00 21 12 25 27		Iink updisableIink down	
Switch System Configuration Port Configuration Common Configuratio Port Statistics Flow Control Revactast Storm	Port: V	Iffindex: 0 Port Type: Unknow	Port Configu n MAC Address: 0000.0000 Set I Refresh Ap	ration/Show	o-Negotiate 🗸	
Port Ratelimit	Port Name	Admin State	Oper State	Bandwidth	VLAN Mode	Default VLAN
Protected Port	ge1/1	Up	Up	Full-1000 Mbps	Access	1
Earn Limit	ge1/2	Up	Down	Unknown	Access	1
Port Trunking	ge1/3	Up	Down	Unknown	Access	1
Mirror	ge1/4	Up	Down	Unknown	Access	1
MAC Binding	ge1/5	Up	Down	Unknown	Access	1
H AC Filter	ge1/6	Up	Down	Unknown	Access	1
P VI AN Configuration	ge1/7	Up	Down	Unknown	Access	1
T SNMP Configuration	ge1/8	Up	Down	Unknown	Access	1
H ACL Configuration	ge1/9	Up	Down	Unknown	Access	1
T C OOS Configuration	ge1/10	Up	Down	Unknown	Access	1
H I I Resic Configuration	ge1/11	Up	Down	Unknown	Access	1
T C AAA Configuration	ge1/12	Up	Down	Unknown	Access	1
	ge1/13	Up	Down	Unknown	Access	1
	ge1/14	Up	Down	Unknown	Access	1
IGWP SNOOPING COM	ge1/15	Up	Down	Unknown	Access	1
GMRP Configuration	ge1/16	Up	Down	Unknown	Access	1
EAPS configuration		1 1.		I tataan I	******	· · · · · · · · · · · · · · · · · · ·

4.2.2. Port Statistic

Select a port to see its additional information.

			in dia in	t up abie k down
Switch System Configuration Port Configuration Common Configuration Port Statistics	Port: V	Port Statistic	s Information	
Flow Control Broadcast Storm	Received Total Bytes (ifInOctets)	0	Received Unicast Packets Num (ifInUcastPkts)	0
Port Ratelimit Protoctod Port	Received Non-Unicast Packets Num (ifInNUcastPkts)	0	Received Discard Packets Num (ifInDiscards)	0
Learn Limit	Received Error Packets Num (ifInErrors)	0	Received Unkonwn Protocol Packets Num (iflnUnknownProtos)	0
Port Trunking Mirror	Send Total Bytes (ifOutOctets)	0	Send Unicast Packets Num (ifOutUcastPkts)	0
MAC Binding MAC Filter	Send Non-Unicast Packets Num (ifOutNUcastPkts)	0	Send Discard Packets Num (ifOutDiscards)	0
E 📄 VLAN Configuration	Send Error Packets Num (ifOutErrors)	0		
SNMP Configuration ACL Configuration QOS Configuration IP Basic Configuration AAA Configuration		Refresh	Help	^

4.2.3. Flow Control

Select a port from the drop-down list, and then choose whether you want the flow control "On" or "Off". Hit Apply to finalize your selection.

		12 14 15 14 20 22 24 25 28 14 15 14 20 22 24 25 28 14 15 15 16 16 16 20 50 14 15 15 17 16 17 16 27 22 25 25 20 14 15 15 17 16 17 16 27 22 25 25 77	 Ink q disabi Ink d
Switch System Configuration Common Configuration For Statistics For Statistics For Statistics For Statistics For Statistics For Statistics Statistics For Statistics Statistic	Port: V	Flow Co	y Help
Port Ratelimit		Port Name	Flow Control State
Protected Port		ge1/1	Off
Learn Limit		ge1/2	Off
Port Trunking		ge1/3	Off
Mirror		ge1/4	Off
MAC Binding		ge1/5	Off
MAC Filter		ge1/6	Off
VLAN Configuration		ge1/7	Off
SNMP Configuration		ge1/8	Off
ACL Configuration		ge1/9	Off
QOS Configuration		ge1/10	Off
IP Basic Configuration		ge1/11	Off
AAA Configuration		ge1/12	Off
MSTP Configuration		ge1/13	Off
GMP SNOOPING Confic		ge1/14	Off

4.2.4. Broadcast storm

You can configure a port's broadcast suppression, multicast suppression, DLF suppression and rate limit.

				28 28 10 00 10 00 25 27		link up disable link down	
Switch System Configuration Port Configuration	Port:	~	Br	oadcast Storm Co	ontrol		
Port Statistics	Broadcast	Suppression	ff 🗸	Broadcast Ratelimit	0 (1-	1024000 kbps)	
Elow Control	Multicast S	Suppression	ff V	Multicast Ratelimit	0 (1-	1024000 kbps)	
Broadcast Storm	DI E Suppr	ression	ff 🗸	DI E Ratelimit	0 (1-	1024000 kbps)	
Port Ratelimit			Re	afresh Apply	Help		
- 🖹 Learn Limit	Port Name	Broadcast Suppression	Broadcast Ratelimit (kbps)	Multicast Suppression	Multicast Ratelimit (kbps)	DLF Suppression	DLF Ratelimit (kbps)
Port Trunking	ge1/1	Off	64	Off	64	Off	64
- 🗎 Mirror	ge1/2	Off	64	Off	64	Off	64
MAC Binding	ge1/3	Off	64	0ff	64	Off	64
MAC Filter	ge1/4	Off	64	Off	64	Off	64
Configuration	ge1/5	Off	64	0ff	64	Off	64
SNMP Configuration	ge1/6	Off	64	Off	64	Off	64
ACL Configuration	ge1/7	Off	64	Off	64	Off	64
QOS Configuration	ge1/8	Off	64	0ff	64	Off	64
IP Basic Configuration	ge1/9	Off	64	Off	64	Off	64
AAA Configuration	ge1/10	Off	64	Off	64	Off	64
MSTP Configuration	ge1/11	Off	64	Off	64	Off	64
IGMP SNOOPING Config	ge1/12	Off	64	Off	64	Off	64
GMRP Configuration	ge1/13	Off	64	Off	64	Off	64

4.2.5. Port Rate Limit

This page configures the packets rate control of a port.

			10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
Switch Switch System System Procession Pr	Port	kops (1.1024000) kops (1.1024000) kops (1.1024000)	Cancel scal Packets Rate Control Cancel receive Packets Rate Control Cancel receive Packets Rate Control Refresh Send Packets Rate Control (Rbps) Send Packets Rate Control (Rbps)	
< III +				

Configuration and bandwidth control displays packets sent and received, range of 1-1024000, measured in Kbits. If the port is not configured for bandwidth control, showing off.

4.2.6. Protected Port

This page shows the protection status of each port. Protected ports can only communicate with unprotected ports.

			ink up disable ink down
Switch The System Configuration		Prot	ected Port
Port Configuration		Port Name	Is Protected Port
Dort Statistics		ge1/1	No
Flow Control		ge1/2	No
Broadcast Storm		ge1/3	No
Port Ratelimit		ge1/4	No
Protected Port		ge1/5	No
E Learn Limit		ge1/6	No
Port Trunking		ge1/7	No
Mirror Mirror	8	go1/9	No
MAC Billion		geno	
VI AN Configuration		gena	NO
SNMP Configuration		ge1/10	No
ACL Configuration	8	ge1/11	No
QOS Configuration		ge1/12	No
IP Basic Configuration		ge1/13	No
AAA Configuration	E	ge1/14	No
MSTP Configuration		ge1/15	No
IGMP SNOOPING Config		ge1/16	No
GMRP Configuration -		ge1/17	No

By protecting the port button, tick the ports can be set up to protect the ports; through a non-protected port button, tick the ports can be set to a non-protected port.

4.2.7. Learn Limit

This page is used to limit the number of MAC addresses a port can learn for security purposes. A port can learn between 0 and 8191 MAC addresses. The default number is 8191.

Switch System Configuration Softem Configuration Softe				C link up disable C link down	
Image: Constraint of the second of	Switch System Configuration Configuration Configuration Port Statistics Flow Control Flow Control	Port:	Le (0.8191)	arn Limit	
B Pol Tunking 0911 0911 Pol Tunking 0912 0911 Man 0912 0911 Mon Man 0912 0911 Mon Man 0912 0911 Mon Man 0914 0911 Mon Man 0914 0911 Mon Man Man 0914 0911 Mon Man Man Man Man Man Man Man Man Man Ma			Refresh Apply Port Name	Cancel Limit Help MAC Address Num Able To Learn	1
Wind 91/3 8191 2 MAC Briding 91/4 8191 2 MAC Ordigation 91/4 8191 2 MAC Ordigation 91/4 8191 2 MAC Ordigation 91/6 8191 3 ACL Configuration 91/7 8191 4 ACL Configuration 91/9 8191 4 Description 91/9 8191 4 Description 91/9 8191 4 Description 91/1 8191 5 Description 91/1 8191 6 Description 91/1 8191 6 Description 91/1 8191 7 Description 91/1 8191 9 Description 91/13 8191	Port Trunking		ge1/1 ge1/2	8191 8191	
Max Arr 011 UAX LC onfiguration px15 011 Max LC onfiguration px16 011 Max LC onfiguration px17 011	Mirror MAC Binding		ge1/3	8191	
UAR Configuration ps16 8191 USM/Configuration gs177 8191 UD OS Configuration gs178 8191 UD OS Configuration gs179 8191 UD Resident Configuration gs179 8191 UD Resident Configuration gs170 8191 UD Resident Configuration gs171 8191 UD Resident Configuration gs171 8191 UD RES Configuration gs1713 8191 UD RES Configuration gs1713 8191	MAC Filter		ge1/4 ge1/5	8191	
Joint Configuration ge1/7 0191 JAC Configuration ge1/8 0191 U DOS Configuration ge1/8 0191 J IP Blac Configuration ge1/9 0191 U All Configuration ge1/9 0191 J AAC Configuration ge1/9 0191 U All XTP Configuration ge1/10 0191 J MIST Configuration ge1/11 0191 U Configuration ge1/13 0191	VLAN Configuration SNMP Configuration		ge1/6	8191	
ID 00 Configuration 0/10 0/11 ID PBasic Configuration 0/11/0 0/11 ID AND Configuration 0/11/1 0/11 ID MRT Configuration 0/11/1 0/11 ID MRT Configuration 0/11/1 0/11 ID ID MRT Configuration 0/11/1 0/11 ID ID MRT Configuration 0/11/1 0/11	Configuration		ge1/7	8191	
□ (P Basic Configuration gp19 191 □ AAA Configuration 99/10 8191 □ AAA Configuration 99/11 8191 □ MSTP Configuration 99/12 8191 □ GMSP Configuration 99/13 8191	QOS Configuration		ge1/8	8191	
at All Configuration gr/110 6191 id at All Configuration gr/111 6191 id at MSTP Configuration gr/112 6191 id at MSTP Configuration gr/113 6191 id at MSTP Configuration gr/113 6191	IP Basic Configuration		ge1/9	8191	
GMP Codeguation ge1/11 8191 GMP SNOPNIS Codig ge1/12 8191 GMP SNOPNIS Codig ge1/13 8191 GMP Codiguation - -	AAA Configuration		ge1/10	8191	
IGMP SNOOPING Config ge1/12 8191 GIRP Configuration - - -	MSTP Configuration		ge1/11	8191	
GMRP Configuration - 9901	IGMP SNOOPING Config		ge1/12	8191	
	🗉 🛄 GMRP Configuration 🚽 👻		ge1/13	8191	

4.2.8. Port Trunking

Port trunking groups network connections together, increasing bandwidth and offering redundancy in case a connection fails.

		2 4 16 11 20 22 24 21 25 1 1 1 20 1	6 6	 Link up disable Link down 	
Switch System Configuration Port Configuration	Trunk Group ID	Trunk Method	Port Trunking Configuration	1	Member Port
Outning Comparison Port Status Pore Control Pore Control	1 0001 (Uncreated) 0002 (Uncreated) 0004 (Uncreated) 0004 (Uncreated) 0006 (Uncreated) 0006 (Uncreated) 0008 (Uncreated)	Set Trunk Method	bill * cel/3 * cel/3 * cel/4 * cel/1 * cel/2 *	Create Trunk Group Member Port => Unmember Port <= Deale trunk Group	
GMRP Configuration	(Note: There must have at least on	e trunk group when you configure trun	k method. All the trunks use the same trun	nk method. You can only delete or add a	a member port when a trunk already

4.2.9. Mirror

Port mirroring involves copying packets coming in or out of one port onto another. One port can mirror information from multiple ports at once.

			 Enk up disable Enk down 	
System Configuration Port Configuration	Mirror Dort	Port	Mirror Configuration	Nirror Confin Info
Commo Coligatión Porta Statistica Porta Catitat P	(Mirror port name like: ge1/1)	44/1 - 64/2 - 64/2 - 64/2 - 64/2 - 64/2 - 64/2 - 64/4 - 64/4 - 64/4 - 64/4 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 - 64/7 -		
IGMP SNOOPING Config GMRP Configuration T		Refrest	Apply Help	

Attention: A port cannot be both a mirrored port and a mirroring port.

4.3. MAC Bind

4.3.1. MAC Bind Configuration

This page is used to bind MAC addresses to ports.

					25 28 00 00 00 00 25 27		▲ link up▲ disable▲ link de	a Min
Switch System Configuration Fort Configuration	^	Boot V			MAC Auto	Bind		
MAC Binding MAC Binding Configur		(The list will display the MAC addre	sses an	d VLAN ID that the p	ort has dynamically lea addresses to th	arned. You ca hat port.)	in select one or more items and t	hen press apply to bind those mac
MAC Filter				M	AC Address		VLAN ID	
ULAN Configuration								
SNMP Configuration				Refresh	Select-all	Apply	Help	
ACL Configuration								
QOS Configuration								
IP Basic Configuration								
AAA Configuration								
MSTP Configuration								
IGMP SNOOPING Config								
GMRP Configuration								

Display has configured bind MAC address and VLAN. To delete a configuration, select the item, and then press the delete key. When you delete you can choose one or more, but when selected a maximum of 128. Press Select all to select all of the entries can be more than 128, all delete.

4.3.2. MAC Auto Binding

This page is used to auto bind MAC addresses to a specific port.

					 Iink up disable iink down
Switch System Configuration FOR Configuration MAC Briding MAC Briding MAC Briding MAC Filter VLAN Configuration SNIP Configuration OCS Co	Port:	a sı (2 15 d (The list w more item	rr to st 23 29 27 still display the MAC address is and then press apply to bi MA Refresh	MAC Auto Bind is and VLAI ID that the port has dynamind those mac addresses to that port. IC Address Select-all Apply	nically learned. You can select one or VLANID
Brasic Configuration AnA Configuration MSTP Configuration MSTP Configuration GMAP Configuration GMAP Configuration GALPA Configuration GULSter Management De Configuration					

4.4. MAC Filter

4.4.1. MAC Filter Configuration

This page is used to configure filtering for MAC address.

Switch	MAC Filter Configuration
Port Configuration MAC Binding	Port: V
MAC Filter MAC Filter Configurati	MAC Address VLAN ID 0
MAC Auto Filter	(MAC Address Format: HHHH.HHHH.HHHH)
SNMP Configuration	MAC Address VLAN ID
ACL Configuration QOS Configuration	Refresh Select-all Apply Delete Help
IP Basic Configuration	
MSTP Configuration	

4.4.2. MAC Auto Filter

This page is used to display which MAC addresses and VLAN IDs have been learned dynamically and auto filter MAC addresses to a specific port.

		11 20 22 24 25 28 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0 0 00 0 0 0 0	Innk up dinable innk down:	
Swritch System Configuration System Configuration MAC Configuration MAC Chief MAC Altor Filer MAC Auto Filer MAC Auto Filer SMR Configuration SACL Configuration Pher Basic Configuration MAC Configuration AAC C	Port: V (The list will display the MAC addresses and	MAC Auto Filter IVLAN ID that the port has dynamically learned. You addresses from that port) MAC Address Refresh Select-all Apply	can select one or more items and then press apply to filter those mac VLAN ID Help	

4.5. VLAN Configuration

4.5.1. VLAN Information

This page displays all VLAN information. [T] indicates that the port is a member of VLAN tagged, [u] indicates that the port is a member of the VLAN is not tagged. Drop-down box will display all the current VLAN, the list displays up to 30 members of the VLAN VID, status, and port. Select a VLAN from the drop down box, VID will show up in the list is greater than the maximum 30 VLAN VLAN information. But if all the VLAN when there are no more than 30, regardless of which VLAN from the drop down box to select, the list will display all the VLAN information.

				26 28 00 00 00 00 23 27		 link up disable link down 	
Switch System Configuration Pott Configuration MAC Biller VLAN Configuration VLAN Configuration VLAN Configuration VLAN Port Configuration VLAN Port Configuration ACL Configuration ACL Configuration I Plass Configuration MSTP Configuration MSTP Configuration MSTP Configuration GMSTP Configuration GMSTP Configuration	(Note: The drop- than the selected vlan1 ✓ VID	down box display VLAN but not m State active	s all current VLANs. The list Di ore than 30 VLANs.) 	VLAN Inf splays up to 30 VLA pet/4 [u]ge1/45 [u]ge ige1/17 [u]ge1/18 Refresh	ormation Ns. If you select a VLAN in the PortMember E16 (u)ge17 (u)ge18 (u)ge17 (u)ge170 (u)ge121 Help	r drop-down box, the list ((t=tagged membe 9 (u)ge1/10 (u)ge1/11 (u (u)ge1/22 (u)ge 1/23 (u)g	vill show all VLAs greater r, u=untagged member) jge1/12 [u]ge1/13 [u] e1/24 [u]ge1/25 [u]ge1/28

4.5.2. VLAN Configuration

When entering a VID, you must select a number between 2 and 4094. The VLAN name is based on the VID and can not be changed. VLAN1 can not be deleted.



4.5.3. VLAN Port Configuration

This page is used to Configure ports to VLANs.



4.6. SNMP Configuration

4.6.1. Community Name

This page is used to create and manage SNMP community names.

SWICh SNMP Community Configuration	
Order Configuration Item Community Name Read/Write	itate
AAC Binding	
AC Filter 1 public ReadOnly a	ctive
P VLAN Configuration Refresh Apply Delete Help	
SNMP Configuration	
Community Name	
TRAP larget	
ACL Configuration	
and the cost configuration	
The Basic Comparation	
AAA Comparation	
C INTERCONDUCTION	

Attention: You can not directly change a community name. If you do not like a community name, you must delete it and create a new one.

4.6.2. TRAP Target

A TRAP target is an IP address that receives device-initiated communication. This page lets you configure TRAP targets.

					* 10 17	index index index index index	up sble : down	
Switch	^			TRA	P Target Configuration			
Port Configuration		Item	Name		Transmit IP Address		SNMP Version	State
III 🦲 MAC Binding		New 🗸				1	~	
MAC Filer VLAN Configuration Sommunity Name Travet AcL Configuration OS Configuration ACL Configuration Plassic Configuration MAC Forefuration MAT Configuration MET Configuration MET Configuration	Ĩ		J	Refresh	Apply Delete H		<u> </u>	

Attention: You cannot directly change a TRAP target. If you do not like a TRAP target, you must delete it and create a new one.

4.7. ACL Configuration

4.7.1. ACL Standard IP

Standard IP group numbers are between 1 and 99 or between 1300 and 1999. The standard IP groups are only valid for IP packets.

		 Ink up disable Ink down
Switch System Configuration AC Binding MAC Binding MAC Binding MAC Filter SAL Configuration SAL Configuration Standard IP Extended IP MAC ARP ACL P MAC ARP ACL Reference A	ACL Standard IP Configuration AL Standard IP Group Num: [Source IP Address	Source Wildcard
IGMP SNOOPING Config		

Attention: When deleting all ACL groups click Select-all and then Delete. You cannot delete more than 30 configurations at once when not deleting all groups.

4.7.2. ACL Extended IP

Extended IP group numbers are between 100 and 199 or between 2000 and 2699. The extended IP groups are only valid for IP packets.

			18 20 18 10 10 17 19	22 24 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 28 0 00 0 00 5 27					link up disable link down	
Switch System Configuration Port Configuration MCC Birding	^	ACL Extended IP Group Num: 100 V		AC	LEX	tended IF	P Config	ure			
MAC Bilter		Source IP			Sou	irce Wildo	card				
VLAN Configuration		Destination IP]	De	stination V	Wildcard				
SNMP Configuration											
ACL Configuration Standard IP Extended IP		Protocol Type	ip top		< >						
MAC IP MAC ARP ACL Information ACL Reference		Source Port	ftp(top ftp-da	p) ta(top)	< >	Destinatior	n Port		ftp(tcp) ftp-data(tc	p)	
QOS Configuration IP Basic Configuration		TCP Control Flag	□fi:	n 🗆 syn	🗆 r] st □p	sh 🗆 a	ack 🗆 ur	g		
AAA Configuration (e.g.: If input IP Address 192.166.1.2, ACL want to control 192.168.1.0, then Wildcard should be 0.0.0.255; The selected Protocol Type and Source Port is in one-to-one relationship, if the Protocol is udp, select the udp port; if the Protocol Type is not to pr or udp, the selected port is insignificance.)											
B GMRP Configuration		Deny Permit									
EAPS Configuration RMON Configuration		Group Num Deny/Permit	Source IP	Source Wildcard	Dest	ination Der IP W	stination Vildcard	Protocol Type	Source Port	Destination Port	TCP Flag
Cluster Management Log Management	~		Refresh	Sele	t-all	Ad	dd	Delete	Help		

Attention: When deleting all ACL groups click Select-all and then delete. You cannot delete more than 30 configurations at once when not deleting all groups.

4.7.3. MAC IP

MAC IP group numbers are between 700 and 799. The MAC IP groups are only valid for IP packets.

			20 22 24 26 1 1 1 1 10 1 1 1 1 10 1 1 1 1 10 1 1 21 23 25	28 30 30 27		 link up disable link down 	
Switch System Configuration P Port Configuration P MAC Binding MAC Filter	ACL MAC IP Group I	lum: [700 🗸]	A	CL MAC IP Config	ure		
VLAN Configuration	Source MAC			Source MAC Wildca	rd		
SNMP Configuration	Source IP			Source IP Wildcard			
ACL Configuration	Destination IP			Destination IP Wild	lcard		7
Standard IP Standard IP	VLAN ID	0		(0-4094, 0 means a	II VLAN)		
MAC IP MAC ARP ACL Information ACL Reference	(e.g.: If input IP Address is the same set of	Address 192.168.1.2, Ad ne, MAC Address and M	CL want to control : IAC Address Wildca	92.168.1.0, then Wi d format: HHHH.HH	ildcard should be 0. HH.HHHH)	0.0.255; MAC	
QOS Configuration	Group Nu	m Deny/Permit	Source Source MAC Wildo	MAC Protocol Type	Source IP Source Wildo	e IP Destination I ard IP	VLAN ID Wildcard
AAA Configuration AAA Configuration AAA Configuration IGMP SNOOPING Config GMRP Configuration EAPS Configuration		E	Refresh Select	-all Add	Delete Hel	5	

Attention: When deleting all ACL groups click Select-all and then Delete. You cannot delete more than 30 configurations at once when not deleting all groups.

4.7.4. MAC ARP

MAC ARP group numbers are between 1100 and 1199. The MAC ARP groups are only valid for ARP packets.

				22 24 25 0 0 00 0 0 00 21 0 00 23 00 23 00	28 00 00 27		 link up disable link down 	
Switch System Configuration Port Configuration Configuration AC Binding AC Binding AC Filter	^	ACL MAC ARP Group Num: 110	•	A	CL MAC ARP Conf	igure		
ULAN Configuration		Sender MAC			Sender MAC Wildo	ard		
SNMP Configuration		Sender IP			Sender IP Wildcar	ł		
ACL Configuration Standard IP Extended IP MAC IP		(e.g.: If input IP Address 192.168.1.2, ACL want to control 192.168.1.0, then Wildcard should be 0.0.0.255; MAC Address is the same, MAC Address and MAC Address Wildcard format: HiHHHHHHHHHHHHHH						
MAC ARP		Group Num	De	ny/Permit	Sender MAC	Sender MAC Wil	dcard Sender IP	Sender IP Wildcard
ACL mitimation ACL mitimation ACL Reference QOS Configuration IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Conf	is		Refres	h Sele	zt-all Add	Delete Help		

Attention: When deleting all ACL groups click Select-all and then delete. You cannot delete more than 30 configurations at once when not deleting all groups.

4.7.5. ACL information

Displays all configured ACL groups.

	 Initiage distration End down
Switch System Configuration Pol Configuration Pol Configuration MAC Ending MAC Ending MAC Configuration Study Configuration Study Configuration Study Configuration Study Configuration Study Configuration ACL C	ACL Information

4.7.6. ACL Reference

This page is used to apply ACL groups to ports.



4.8. QOS Configuration

4.8.1. QOS Apply

Display and configure QoS type and user priority information.

		24 26 28 1 00 00 1 00 00 23 25 27	 link up disable link down
Switch System Configuration Pot Configuration MAC Binding MAC Filter MAC Nonfiguration	Port: OOS Type: NO COS •	QOS Apply User Priority: 0 • Refresh Apply	
B SNMP Configuration	Port Name	QO\$ Type	User Priority
ACL Configuration	ge1/1	NO QOS	0
🖻 🔁 QOS Configuration	ge1/2	NO QOS	0
QOS Apply	ge1/3	NO QOS	0
QOS Schedule	ge1/4	NO QOS	0
IP Basic Configuration	ge1/5	NO QOS	0
H AAA Configuration	ge1/6	NO QOS	0
# MSTP Configuration	ge1/7	NO QOS	0
IGMP SNOOPING Configu	ge1/8	NO QOS	0
GMRP Configuration	ge1/9	NO QOS	0
EAPS Configuration	ge1/10	NO QOS	0
T D RMON Configuration	ge1/11	NO QOS	0
T Cluster Management	ge1/12	NO QOS	0
T les Management	ge1/13	NO QOS	0
- Log management	ge1/14	NO QOS	0
	ae1/15	NO QOS	0

4.8.2. QOS Scheduling

Display and configure QoS scheduling and 8 weights of the queue information.

				8 20 22 24 0 0 0 0 1 0 0 1 0 0 7 19 21 23	26 28 00 00 00 00 25 27			 Ink up disable Ink down 		
System Configuration Port Configuration MAC Binding MAC Binding	Port:	•			QOS	Schedule				
MAC Filter	QOS Sched	lule Mode: WRR	'							
SNMP Configuration	Weight of a	ueue 0 (1~127): 0		Weight of qu	Weight of queue 1 (1~127): 0 Weight of queue 3 (1~127): 0 Weight of queue 5 (1~127): 0					
ACL Configuration	Weight of c	ueue 2 (1~127): 0		Weight of qu						
□ □ QOS Configuration	Weight of c	ueue 4 (1~127): 0		Weight of gu						
QOS Apply QOS Schedule	Weight of q	ueue 6 (1~127): 0		Weight of qu	Weight of queue 7 (1-127): 0					
IP Basic Configuration AAA Configuration					Refresh	Apply				
MSTP Configuration	Port Name	QOS Schedule Mode	Weight of queue 0	Weight of queue 1	Weight of queue 2	Weight of queue 3	Weight of queue 4	Weight of queue 5	Weight of queue 6	Weigh
IGMP SNOOPING Configu	ge1/1	WRR	1	2	4	8	16	32	64	
GMRP Configuration	ge1/2	WRR	1	2	4	8	16	32	64	
EAPS Configuration	ge1/3	WRR	1	2	4	8	16	32	64	
RMON Configuration	ge1/4	WRR	1	2	4	8	16	32	64	
Cluster Management	ge1/5	WRR	1	2	4	8	16	32	64	
Log Management	ge1/6	WRR	1	2	4	8	16	32	64	
	ge1/7	WRR	1	2	4	8	16	32	64	
	ge1/8	WRR	1	2	4	8	16	32	64	

4.9. IP Basic Configuration

4.9.1. IP Address Configuration

This page is used to create and delete VLAN interfaces and configure the IP address of the VLAN interface.

		16 18 20 22 24 0 0 0 0 0 1 15 17 19 21 23	26 28 10 00 10 00 25 27	 link up disable link down
Switch System Configuration			IP Address Configuration	
MAC Binding	Line Item	VLAN ID	IP Address / Subnet Prefix	MAC Address
🖲 🔲 MAC Filter	New *	0		
VLAN Configuration	1	1	192.168.2.1/24	10f0.13f0.a504
SNMP Configuration ACL Configuration OOS Configuration Pair Configuration APP Configuration APP Configuration APP Configuration APR Configuration Most State Router Configuration Most State Router Configuration Most State Router Configuration GMRP Configuration GMRP Configuration EAPS Configuration		Refresh Crea	e VLAN Interface Delete VLAN Inte Address Delete IP Address	Help.

4.9.2. ARP Configuration and Display

ARP (Address Resolution Protocol) offers a mapping from IP address to MAC Address. This page displays all ARP items and configures the static ARP.

		18 20 22 24 26 28 1 1 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 2 2 2 2 2		link up disable link down
Switch System Configuration For Configuration	Static ARP Item configuration:	ARI	⁹ Configure And Display	
MAC Binding	IP Address		MAC Address	
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration	Delete ARP Item:		Add	
QOS Configuration	ARP Item	T	IP Address (IP Network Segment)	
IP Address Configuration IP Address Configuration ARP Configuration and [Host Static Router Confi			Delete	P
AAA Configuration	Change Dynamic ARP List Item into	Static ARP List Item:		
MSTP Configuration	ARP List Item		IP Network Segment	
GMRP Configuration EAPS Configuration			Apply	
RMON Configuration		IP Address	MAC Address	Туре
Cruster Management		192.168.2.111	00e0.4c21.0034	dynamic
<			Refresh Help	

4.9.3. Host Static Route

This page configures static routes.

		2 14 16 18 20 22 24 26 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	int int int int int int	k up table k down
Switch System Configuration Port Configuration MAC Binding	Target Address/Subnet perfix	Host 5	Static Route Configuration	
MAC Filter MAC Filter VLAN Configuration SNMP Configuration OS Configuration IP Address Configuration IP Address Configuration ARP Configuration Heat Router Configuration AAA Configuration	Nem	Target Address Subnet perfix [Refresh]	Next Hop Apply Delete Help	Distance

4.10. AAA Configuration

4.10.1. Tacacs+ Configuration

TACACS+ protocol is the latest generation of TACACS. It uses TCP to ensure reliable delivery. The separation of authentication, authorization and accounting is a fundamental component of the design of TACACS+.

	2 4 5 5 10 12 14 15 18 28 22 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 26 28 00 00 0 00 2 00 00 25 27		 Iink up disable Iink down
Switch System Configuration C		Tacacs+ C Tacacs+ Tacacs+ Server IP Authentication Type Shared Secret Refresh A	disable disable a 0 0 0 0 pap b 1 b 2 b	

4.10.2. Radius Configuration

When the user is authenticating, the switch communicates to the radius server with radius protocol. This page is used to configure radius information.

	4 26 28 5 00 00 5 00 00 5 25 27		 Iink up disable Iink down
Switch	Radius Co	nfiguration	
Port Configuration	Primary Server	0.0.0.0	
MAC Binding	Option Server	0.0.0.0	
MAC Filter	UDP Port	1812	
SNMP Configuration	Accounting	Enable •	
ACL Configuration	Accounting UDP Port	1813	
QOS Configuration	Shared Key		
IP Basic Configuration	Vendor		
AAA Configuration	NAS Port	50003	
Radius Configuration	NAS Port Type	15	
802.1x Configuration	NAS Service Type	2	
802.1x Port Configura	Roaming	Disable V	
B02.1x User Auth-Info MSTP Configuration	Refresh Ap	ply Help	

4.10.3. 802.1x Configuration

When the user is authenticating, the PC communicates to the switch with 802.1x protocol. This page is used to configure 802.1x information.

	2 4 6 8 10 12 14 16 18 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 24 26 28 1 1 00 00 1 1 00 00 21 23 25 27		 iink up disable iink down
Switch System Configuration		802.1x Co	nfiguration	
Port Configuration		802.1x	Disable 🔻	
MAC Binding		Reauthentication	Disable 🔻	
MAC Filter		Reauthentication Period	3600	(Sec)
SNMP Configuration		Quiet Period	60	(Sec)
ACL Configuration		Tx-Period	30	(Sec)
QOS Configuration		Server timeout	10	(Sec)
IP Basic Configuration		supplicant timeout	30	(Sec)
AAA Configuration		Max Request	3	
Radius Configuration		Reauth Max	3	2
802.1x Configuration		Client Version	2.0	1
802.1x Port Configura		Check Client	Enable •	2
B02.1x User Auth-Info MSTP Configuration		Refresh Ap	ply Help	
✓ →				

4.10.4. 802.1x Port Configuration

Enable global 802.1x protocol before configuring 802.1x port. This page sets 802.1x port configuration.

		22 24 26 28 1 1 10 10 10 1 2 2 2 20 1 2 2 20 1 2 2 20 1 2 2 2 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 Ink up disable Ink down
VLAN Configuration SNMP Configuration ACL Configuration OOS Configuration		802.1x Port Configuration	
IP Basic Configuration	Port Num	Port Mode	Support Host Num
B AAA Configuration	•	τ	0
Tacacs+ Configuratio	ge1/1	N/A	256
Radius Configuration	ge1/2	N/A	256
802 1x Configuration	ge1/3	N/A	256
802 1x Port Configura	ge1/4	N/A	256
802 1x User Auth-Infr	ge1/5	N/A	256
MSTP Configuration	ge1/6	N/A	256
IGMP SNOOPING Conf	ge1/7	N/A	256
CMPR Configuration	ge1/8	N/A	256
CARP Configuration	ge1/9	N/A	256
EAPS Configuration	ge1/10	N/A	256
RMON Configuration	ge1/11	N/A	256
Cluster Management	ge1/12	N/A	256
🗉 🖬 Log Management 🚽	ge1/13	N/A	256
< >	ge1/14	N/A	256

4.10.5. 802.1x User Auth-Information

This page is used to show 802.1x user authentication information.

				2 24 2 1 1 0 1 1 23 2	5 28 5 60 5 60 5 27		 Ink up disable Ink dor 	wn
VLAN Configuration SNMP Configuration ACL Configuration OOS Configuration	r			802.1×	User Auth-Inforn	nation		
IP Basic Configuration	Port:	٣	Port Mode:	Accepte	1 Host Num: 0			
AAA Configuration						1		
Tacacs+ Configuratio	liser name	MAC Address	Request state	A	oplicant state Maching	Back	End state Maching	Retry Request state
Radius Configuration	ober hume	inac address	request state	state	Retry Request Num	state	Request Num	state
802.1x Configuration					Refresh Help			
802.1x Port Configura								
802.1x User Auth-Info								
MSTP Configuration								
IGMP SNOOPING Conf								
GMRP Configuration								
EAPS Configuration								

4.11. MSTP Configuration

4.11.1. MSTP Configuration

Configuring global MSTP settings.

	16 20 22 24 26 28 0 0 0 0 00 0 0 0 0 00 17 19 21 23 25 27		 link up disable link down
System Configuration	MSTP Cor	figuration	
MAC Binding MAC Filter VLAN Configuration	MSTP Priority	Disable 32768	
SNMP Configuration ACL Configuration	Portfast Bpdu-Filter Portfast Bpdu-Guard	Disable Disable	
QOS Configuration IP Basic Configuration AAA Configuration	Forward-Time Hello-Time	2	=
MSTP Configuration	Errdisable-Timeout	300	
Port Configuration Port Information IGMP SNOOPING Conf	Max-Age Max-Hops	20 20 Disable V	
GMRP Configuration EAPS Configuration	Refresh	Apply	

4.11.2. Port configuration

Configure the MSTP port State.

	18 20 22 24 26 28 10 1 1 1 00 00 11 1 1 1 00 00 11 1 1 1 23 25 27		 iink up disable iink down
Switch * System Configuration * Port Configuration	MSTP Port (Configuration	
MAC Binding MAC Filter MAC Filter VLAN Configuration SNMP Configuration ACL Configuration IP Basic Configuration MSTP Configuration MSTP Configuration Port Configuration Port Information	Port Portast Portast bpdu-filter Portfast bpdu-filter Portfast bpdu-guard Root Guard Link-Type Priority Path-Cost Force-Version Refresh		
IGMP SNOOPING Conf GMRP Configuration			

4.11.3. Port Information

View all port settings for MSTP information.

				18 20 22 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26 28 00 00 00 00 25 27			link updisablelink down	
Switch *									
🖹 🛄 System Configuration									
Port Configuration									
MAC Binding				MS	FP All Port In	formation			
🖹 🧰 MAC Filter									
VLAN Configuration									
SNMP Configuration	Port	Postfast	Bpdu-Filter	Bpdu-Guard	Root Guard	Link-Type	Priority	Path-Cost	Force-Version
C ACL Configuration	ge1/1	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
QOS Configuration	ge1/2	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
IP Basic Configuration	ge1/3	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
AAA Configuration	ge1/4	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
□ → MSTP Configuration	ge1/5	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
MSTP Configuration	ge1/6	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Configuration	ge1/7	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
Port Information	ge1/8	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
B IGMP SNOOPING Conf	ge1/9	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
GMRP Configuration	ge1/10	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
EAPS Configuration	ge1/11	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP
	ge1/12	Disable	Default	Default	Disable	Point-To-point	128	20000	MSTP

4.12. IGMP SNOOPING Configuration

4.12.1. IGMP SNOOPING Configuration

Display and enable the global IGMP SNOOPING switches.

	15 20 22 24 26 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inik up disable Inik down
Switch *		
🔍 🚍 System Configuration	IGMP SNOOPING Configu	uration
Port Configuration		
MAC Binding	IGMP SNOOPING Disable *	
🖲 🧰 MAC Filter		
VLAN Configuration	Refresh Apply	
SNMP Configuration		
ACL Configuration		
QOS Configuration		
IP Basic Configuration		
Configuration		
MSTP Configuration		
Conf IGMP SNOOPING Conf		
IGMP SNOOPING C		
-B Multicast Group Infor		

4.12.2. Multicast Group Information

Displays the IGMP snooping information. Can refresh button to view real-time.

		20 22 24 26 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	Ink up disable ink down
Switch System Configuration For Configuration MAC Binding	r	Multicast Group Informa	tion
MAC Filter	VLAN ID Multicast Address		Member Ports
VLAN Configuration		Refresh	
SNMP Configuration			
ACL Configuration			
QOS Configuration			
IP Basic Configuration			
🖲 🔲 AAA Configuration			
MSTP Configuration			
GMP SNOOPING Conf			
IGMP SNOOPING C			
B Multicast Group Infor			
GMRP Configuration			

4.13. GMRP Configuration

4.13.1. GMRP Global Configuration

Display and enable GMRP globally switch.

	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	18 20 22 24 26 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 ☐ link up dinable ☐ link down
Switch System Configuration Port Configuration MAC Binding		Multicast Group Informati	on
B MAC Filter	VLAN ID Multicast Address		Member Ports
VLAN Configuration SNMP Configuration ACL Configuration OOS Configuration PIP Basic Configuration MSTP Configuration MSTP Configuration GMRP Configuration GMRP Configuration GMRP State Machine GMRP State Machine EARS Configuration		Refresh	

4.13.2. GMRP Port Configuration

Displays and configures port GMRP enable status.

Switch System Configuration Port Configuration MAC Binding	GMRP Ports Configuration					
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration	Port Name	Port: • GMRP Status: Unable • Refresh Apply				
QOS Configuration	ge1/1	Disable			-	
🖲 🔲 IP Basic Configuration	ge1/2	Disable				
Configuration	ge1/3	Disable				
MSTP Configuration	ge1/4	Disable				
E GMP SNOOPING Conf	ge1/5	Disable				
GMRP Configuration	ge1/6	Disable				
GMRP Global Config	ge1/7	Disable				
GMRP Ports Configu	ge1/8	Disable			-	
GMRP State Machine	ge1/9	Disable				
EAPS Configuration	ge1/10	Disable				

4.13.3. GMRP Stats Configuration

GMRP state machine information is displayed, you can use the Refresh button to view real-time.

			18 20 22 24 26 28 0 0 0 0 00 0 0 0 0 00 17 19 21 23 26 27	ink	up bie down
Switch					
System Configuration			GMRP State Machin	10	
Port Configuration					
MAC Binding	Port Name	VLAN ID	Multicast MAC Address	Applicant State	Registrar State
VIAN Configuration					
B SNMP Configuration			Refresh		
ACL Configuration					
QOS Configuration					
IP Basic Configuration					
AAA Configuration					
MSTP Configuration					
IGMP SNOOPING Conf					
GMRP Configuration					
GMRP Global Config					
GMRP Ports Configu					
Concernation Concernation					

4.14. EAPS Configuration

4.14.1. EAPS Configuration

Create and configure EAPS information can also be used to remove and display EAPS information.

	12 14 16 18 20 22 24 14 16 18 20 22 24 14 16 18 20 22 24 14 16 18 20 22 24 15 17 19 20 20 24 11 13 15 17 19 21 23	26 28 1 00 00 1 00 00 25 27	Ink up disable Mrk down
Port Configuration MAC Binding MAC Filter		EAPS Configuration	
VLAN Configuration	EAPS Ring ID	1 •	
SNMP Configuration	Create Status	Not Created	
COS Configuration	Mode	None •	
IP Basic Configuration	primary port	•	
AAA Configuration	secondary port	•	
MSTP Configuration	Control VLAN	0	
IGMP SNOOPING Conf	Protected VLANs		Format: 2.4.6 or 3-10
GMRP Configuration	Hello Time Interval	0	s
EAPS Configuration	Fail Time	0	e
EAPS Information	Data Span	Disable T	-
RMON Configuration	Extreme Interenerability	Disable T	
🖲 🧰 Cluster Management	Extreme interoperability	Disable -	
🖻 🧰 Log Management	Enable Status	Uisable •	
4 •	Refresh	Create Apply Rem	nove

4.14.2. EAPS Information

EAPS state information is displayed, you can use the Refresh button to view real-time.

		Link up disable Link down
Port Configuration		
🖲 🔲 MAC Binding	EAPS Information	tion
🖲 🧰 MAC Filter		
VLAN Configuration	Refresh	
SNMP Configuration		
ACL Configuration		
QOS Configuration		
IP Basic Configuration		
AAA Configuration		
MSTP Configuration		
IGMP SNOOPING Conf		
GMRP Configuration		
EAPS Configuration		
EAPS Configuration		
EAPS Information		
RMON Configuration		

4.15. RMON Configuration

4.15.1. Statistics Configuration

Displays and configures RMON Statistic Group configuration information and data.

		12 14 16 18 20 22 24 26 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		 Ink up disable Ink down
MAC Filter	Port:			
VLAN Configuration				
SNMP Configuration		RMON Statistics		
ACL Configuration				
QOS Configuration	Index 0	Owner		
P Basic Configuration				
AAA Configuration		Refresh Apply	Delete Help	
MSTP Configuration		Stat	listics Data	
IGMP SNOOPING Conf		atherState DronEvente	0 etherStateOctate	0
GMRP Configuration		atherStatsPkts	0 etherStatsBroadcastPkts	0
EAPS Configuration		etherStatsMulticastPkts	0 etherStatsCRCAlignErrors	0
RMON Configuration		etherStatsUndersizePkts	0 etherStatsOversizePkts	0
Statistics Configuration		etherStatsFragments	0 etherStatsJabbers	0
History Configuration		etherStatsCollisions	0 etherStatsPkts64Octets	0
Alarm Configuration		etherStatsPkts65to127Octets	0 etherStatsPkts128to255Octets	0
Event Configuration		etherStatsPkts256to511Octets	0 etherStatsPkts512to1023Octets	0
Cluster Management		etherStatsPkts1024to1518Octets	0	
Log Management				

4.15.2. History Configuration

Displays and configures RMON history Group configuration information and data.

			20 22 24 26 28 0 0 0 00 19 21 23 25 27	 ▲ link up ▲ disable ▲ link down
MAC Filter VLAN Configuration SNMP Configuration ACL Configuration QOS Configuration	Port:	•	RMON History	
IP Basic Configuration AAA Configuration MSTP Configuration IGMP SNOOPING Conf GMPP Configuration	Index 0 Request 0	RMON Hi Interval Owner	istory	
EAPS Configuration RNON Configuration Statistics Configuration Alarn Configuration Alarn Configuration Event Configuration Cluster Management Cluster Management	Index Interval Drop Start	Events Octets Pkts Broadca	Refresh Apply Delete History Data History Data stPkts MulticastPkts CRCAlignErrors First Prev Next Total: Opages, Current Page is No	Help sizePkts OversizePkts Fragments Jabbers Collisions Utilization Last 1

4.15.3. Alarm Configuration

Displays and configures RMON alarm group configuration information.

				a a g ç i	• 10 • 10 • 10 • 10				26 28 00 00 00 00 25 27					link up disable link down		
۰.	MAC Filter	*														
۰.	VLAN Configuration								RMO	N Alarm						
۵.	SNMP Configuration															
۰.	ACL Configuration		_							Sample	Alarm	Rising	Falling	Rising	Falling	
۳.	QOS Configuration		Sequence	Index	Interva	31		variable		Туре	Value	Threshold	Threshold	Index	Index	
	IP Basic Configuration		New • 0	D	0					absolute •	0	0	0	0	0	
•	AAA Configuration				L			Defeasi	a Anntu	Dalata		Inte				
•	MSTP Configuration							Reffest	Арріу	Delete		leip				
•	IGMP SNOOPING Con	f	Formonco	Index Inte	nual 1	Variable	Sample	Alarm Ma	Rising	Fallin	ng	Rising	Falling	Oumor		
•	GMRP Configuration		Sequence	index inte	ivai	variable	Туре	Alarm va	Thresho	d Thres	hold	Event Index	Event Inde	x Owner		
	EAPS Configuration															
P 🔁	RMON Configuration															
	Statistics Configurat	ie –														
	History Configuration															
	Alarm Configuration															
L	Event Configuration															
#	Cluster Management															

4.15.4. Events Configuration

Displays and configures RMON events group configuration information.

			20 22 24 26 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	28 00 00 27			 link up disable link down
MAC Filter MAC Filter VLAN Configuration SNMP Configuration				RMON Ev	ent		
ACL Configuration	Sequence Index	Description		Туре	Community	Last Time Sent	Owner
IP Basic Configuration	New 🔻 0			none 🔻		1970/01/01	
AAA Configuration			Refresh	Apply [Delete H	elp	
MSTP Configuration			-				-
GMRP Configuration	Sequence Index	Description	Type	Community	Last Time	e Sent	Owner
EAPS Configuration							
RMON Configuration							
Statistics Configuration							
History Configuration							
Alarm Configuration							
Event Configuration							
Log Management							

4.16. Cluster management

4.16.1. NDP Configuration

This page is use to configure the NDP and enable NDP function.

			2 4 6 8 10 12 14 16 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 22 24 26 1 1 1 00 1 1 1 00 19 21 23 25	28 00 00 27		link updisablelink down
	MAC Binding MAC Filter VLAN Configuration SNMP Configuration	*	r	NI)P Configuration		
÷,	ACL Configuration			Port:	•		
•	QOS Configuration			Port Enable	disable 🔻		
•	IP Basic Configuration			Global Enable	disable 🔻		
•	AAA Configuration			Hollostimo	60	(1-4096 sec)	
•	MSTP Configuration			nello une	00	(14000 300)	
•	IGMP SNOOPING Conf			Aging-time	180	(1-4096 sec)	
	GMRP Configuration EAPS Configuration RMON Configuration Cluster Management NDP Configuration NTDP Configuration Cluster Configuration			Refres	h Apply Help		

4.16.2. NTDP Configuration

This page is use to configure the NTDP and enable NTDP function.

		10 12 14 16 0 0 0 0 9 11 13 15	18 20 22 24 2 0 0 0 0 0 17 19 21 23 2	6 28 0 00 0 00 5 27		 Iink up disable Iink down
	MAC Binding A MAC Filter VLAN Configuration		N	ITDP Configurati	on	
÷-	ACL Configuration		Port:	•		
۰	QOS Configuration		Port Enable	disable 🔻		
•	IP Basic Configuration		Global Enable	disable 🔻		
	AAA Configuration		Hops	3	(1-6)	
	MSTP Configuration		Interval-time	1	(0-65535 min)	
	GMP SNOOPING Cont GMPP Configuration		then deless	200	(1 1000 milece)	
	EAPS Configuration		Hop-delay	200	(1-1000 millisec)	
÷ 👝	RMON Configuration		Port-delay	20	(1-100 milsec)	
	Cluster Management NDP Configuration NTDP Configuration Cluster Configuration		Ref	Apply	Help	

4.16.3. Cluster Configuration

This page is use to configure the cluster, build or delete the cluster and display the cluster member list.

	10 12 14 16 18 20 22 24 26 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		▲ link up▲ disable▲ link down			
MAC Binding MAC Filter VLAN Configuration	Clust	er Configuration				
SNMP Configuration	Cluster Enable	disable 🔻				
ACL Configuration	Management-vlan	1	(1-4094)			
IP Basic Configuration	IP-pool	0.0.0/0	(A.B.C.D/M)			
AAA Configuration	Handshake time	10	(1-255 sec)			
MSTP Configuration	Handshake hold-time	60	(1-255 sec)			
IGMP SNOOPING Cont GMRP Configuration EAPS Configuration RMON Configuration		Apply				
Cluster Name NDP Configuration NDP Configuration NDP Configuration Cluster Configuration Cluster Configuration Apply Delete						
Log Management	Clus	ter Member List				

4.17. Log management

Logging information is displayed, you can show a type of log information.

		18 20 22 24 26 28 0 0 0 0 00 0 0 0 10 00 17 19 21 23 20 00 17 19 21 23 20 00	 Contraction Contrac
System Configuration MAC Filter MAC Filter VLAN Configuration MAC filter VLAN Configuration OS Configuration OS Configuration MAC Configuration AAA Configuration MATP Configuration MATP Configuration GIMP SNOOPINS Configuration EAPS Configuration Gimp Configur	.og Priority	Log Information	

Specification

Model	DN-80211-2	DN-80221-2			
Description	16GE+2G SFP	24GE+4G SFP			
	IEEE 802.3, IEEE 802.3u, IE	EEE 802.3ab, IEEE 802.3z,			
Standard	IEEE 802.3x, IEEE 802.1X, IEEE 802.1q, IEEE 802.1p,				
Standard	IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE				
	802.3az				
	10BASE-T: UTP category 3,4,5 cable (≤100m)				
Notwork Madia	100BASE-TX: UTP category 5 cable (≤100m)				
Network Media	1000BASE-T: UTP category 5e,6 cable (≤100m)				
	1000Base-X: MMF or SMF SFP Module (optional)				
MAC Address Table 8K, Auto-learning, Auto-aging					

Transfer mode	Store-and-Forward				
Packet Forward Speed	26.78Mpps	41.67Mpps			
Switching Capacity	36Gbps	56G			
Dimensions (L*W*H)	280*180*44mm	440.5*230*44.5 mm			
Fan	Fanless				
Power Input	AC: 100-240V, 50/60Hz				
Operating Temperature	0°C ~ 40°C				
Storage Temperature	-40°C ~ 70°C				
Operating Humidity	10% ~ 90% non-condensing				
Storage Humidity	5% ~ 90% non-condensing				
MTBF	>50000 hour				

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

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