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ISCOM2826 EMS User Manual

RC-A083-V30-050829-EN

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We hope to hear from you!

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Overview

This chapter describes compliance and basic functions of ISCOM2826 EMS, and consists of the following sections:

- \diamond Compliance
- \diamond Function characteristics

Compliance

Support for the following MIB standards:

RFC1213 **RFC1271** RFC1493 RFC1724 RFC1757 **RFC1850 RFC1907 RFC2233** RFC2571 RFC2572 RFC2573N RFC2573T RFC2574 RFC2575 RFC2618 **RFC2620** RFC2665 RFC2674P RFC2674Q

Function Characteristics

ISCOM2826 EMS (Element Management System) provides management of ISCOM2826 Switch through Simple Network Management Protocol (SNMP).

The device view generated by the EMS is identical with appearance of the real device, so it could truly reflect current status of the Switch.

Through prior installation of NView iEMS (or NView NNM) network management platform, ISCOM2826 EMS, together with configuration of relevant parameters like SNMP information

and Trap target address, you can monitor and manage your Switch conveniently.

	er SNMPv3 Performanci	e Command Help			(
•••••		9			
0		10 12 14 16 9 11 13 15	18 20 22 24	2 4 6 8 10 1214 16 18 20 22 24 T C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
rm Monitor Current Dev	ice: 192.168.2.188	Client onli	ine	Raisecom Co. Ltd.	
Current Alarm List					
Level 1 Critical Link D			Address Device Nam 38.2.188 ISCOM2826	ne Location Port:11	Up 1

Figure 1-1 The main view for ISCOM2826 EMS (Corresponding to hardware version Rev.A)

_		826 - 1 Davis						Command	Help					
	Pon 🍐				· 🖷				пер					R
	26 25 24 6 10 12 14 16 18 20 22 24 1 3 5 7 9 11 13 15 17 19 21 23 10 12 14 16 18 20 22 24 0 10 12 14 16 18 20 22 24 0 10 12 14 16 18 20 22 24 0 10 12 14 16 10 22 24 0 10 12 14 16 10 22 24 0 10 11 15 17 19 21 23 10													
-		Alarm			100.2.	.02		1 0			ŗ	(uloccolli	00. 2.0.	X
1 2 3 4	Crit Wai Wai	Level ical rning rning rning	Link D Link U Topolo	own			0 N 0 N 0 N	rm Status ew come ew come ew come ew come	IP Addre 192.168.2.3 192.168.2.3 192.168.2.3 192.168.2.3	32 32 32	Device Name SCOM2826 SCOM2826 SCOM2826 SCOM2826 SCOM2826	Port:23 Port:24	Location	Up Cou 1 1 1 2
	•										888			>

Figure 1-2 The main view for ISCOM2826 EMS (Corresponding to hardware version Rev.B)

ISCOM2826 EMS Function/Protocol Configuration Guide

ISCOM2826 EMS enables user to launch relevant function/protocol configuration dialog box through main menu or popup menu as available. This chapter provides instruction on how to use these function/protocol interfaces. For information on each protocol and function's role, value range and restriction rule, see relevant commands in "RAISECOM Series Switch Command Notebook Version 3.0".

Port Configuration

Click [Port\Port Settings] from the main menu, you'll see a Port Settings dialog box popup. Select a row from the Port table, and click the <Modify> button, then you can make configuration for the selection.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for "interface port"

"pvid"

command.

Port	Port Type	Administrative State	Link State	Duplex/Speed	Management	Duplex/Speed State	MAC Learning Management	Lo
1	100M Ethernet	Up	Down	Auto		Unknown	Enable	Ena
2	100M Ethernet	Up	Up	Auto		100M/Full Duplex	Enable	Disa
3	100M Ethernet	Up	Down	Auto		Unknown	Enable	Ena
4	100M Ethernet	Up	Down	Auto		Unknown	Enable	Ena
5	100M Ethernet	Up	de a	1		LOOME N.D. I	Enable	Ena
6	100M Ethernet	Up 🛃 Mod	ify			×	Enable	Ena
7	100M Ethernet	Up					Enable	Ena
3	100M Ethernet	Up	Port	t l	5		Enable	Ena
3	100M Ethernet	Up 📃					Enable	Ena
10	100M Ethernet	Up	Administrati	ive State	Up	-	Enable	Ena
11	100M Ethernet	Up	unlaw@manad.b		Auto	-	Enable	Ena
12	100M Ethernet	Up Up	uplex/Speed N	ianagement	Auto	•	Enable	Ena
13	100M Ethernet	Up M.	AC Learning N	lanagement	Enable	•	Enable	Ena
14	100M Ethernet						Enable	Ena
15	100M Ethernet	Up Look	back Detectio	n Management	Enable	•	Enable	Ena
16	100M Ethernet	Up In	Flow Control I	Inemenent	Disable	~	Enable	Ena
17	100M Ethernet	Up		wanagement	Disable		Enable	Ena
18	100M Ethernet	Up Outgo	ing Flow Cont	rol Management	Disable	•	Enable	Ena
19	100M Ethernet	Up			65536	() (a (b) () a (a (a (a)))	Enable	Ena
20	100M Ethernet	Up	Loopback Do	own Time	65536	(Unit:Second)	Enable	Ena
21	100M Ethernet	Up "Loo	pback Down T	Fime" max value "	65535" min val	ue "0".please try again.	Enable	Ena
22	100M Ethernet						Enable	Ena
23	100M Ethernet	Up					Enable	Ena
24	100M Ethernet	Up		Save	Close		Enable	Ena
25	N/A	Down			Concentrative Second Strength		Enable	Disa
26	N/A	Down	Down	Auto		Unknown	Enable	Disa
•				88				
				Modify	View			

Figure 2-1 The port settings

RFC1213 System Group

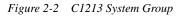
Click [Device\RFC1213 System Group] from the main menu, a RFC1213 System Group dialog box similar to figure 2-2 will popup, which is useful for user configuring basic

3

information.

Related commands:

BRFC1213 System Group		
System Description	ROS	
System Contact	support@Raisecom.com	
System Location	world china raisecom	
System ObjectID	.1.3.6.1.4.1.8886.6.3	
System Uptime	2 days, 21 hours, 36 minutes, 53 se	
System Name	nms_center	
System Services	79	
Export	Save Refresh Close	



System Time

Click [Main Menu\Device\System Time] to launch the System Time dialog box. From it, you can view and configure system time for the Switch. See figure 2-3 and 2-4. Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for clock set

clock summer-time

clock summer-time recurring

clock timezone

进 System Time	
System Time Summer Time	
System Time	2005-12-3,5:37:31,+8:0
System Time	2003-12-3,3.37.31,10.0
Time Lost on Reboot	True
Export	Save Refresh Close

Figure 2-3 The system time

🕑 System Time	X
System Time Summer Time	
Summer Time Management	Disable 👻
Summer Time Offset	0 (Unit:Minute)
Summer Time Start	week 0 Sunday Jan 0:0
Summer Time End	week 0 Sunday Jan 0:0
Export	Save Refresh Close

Figure 2-4 The summer time

Switch Information

Click [Main Menu\Device\Switch Info], a Switch Info dialog box presenting the basic information on the Switch will popup.

Software Version	3.0.497.ISCOM2826.27.20051214
Hardware Version	Rev.A
Service Info	1023
Error Code	0
Physical Port Number	26
Aggregation Port Number	26
L3 Interface Number	16
MAC Table Capability	8192
Switch MAC Address	00:0e:5e:00:c3:57
VLAN Space Size	4094
PVID Space Size	4094
Default VLAN	1

Figure 2-5 The Switch information

Switch Configuration

Click [Main Menu\Device\Device Settings], a Device Setting dialog box will popup for user configuring the global information for the Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for arp aging-time

dlf-forwarding loopback-detection destination-address mac-address-table aging-time relay

svl

system mtu

commands.

<u>0</u>	Device Setting		X
[MAC Aging Time	300	(Unit:Second)
	SVL Management	Disable	▼
	Loopback-Detection Hello-Time	4	(Unit:Second)
	ARP Aging Time	1200	(Unit:Second)
[Relay Ports for BPDU		
[Relay Ports for Dot1x		
[Relay Ports for LACP		
[DLF Forwarding Management	Enable	•
[Max Allowed Frame Length	1522	
[SVL Default VLAN	1	
[Loopback Detect VLAN	1	
	Loopback Detect MAC	ff.ff.ff.ff.ff.ff	
	Export	Save Refresh	Close

Figure 2-6 The device settings

Flooding Control

Click [Main Menu\Device\Flooding Control], a Flooding Control dialog box similar to figure 2-7 will popup, which is useful for user configuring storm prevention information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for storm-control

storm-control pps

1	Flooding Control	×
	Broadcast Storm Control Manage	Enable 💌
	Multicast Storm Control Managem	Enable
	DLF Storm Control Management	Enable 💌
	Storm Control Scale	1024 (Unit:pps)
	Export	Save Refresh Close

Figure 2-7 Flooding Control Configuration

VLAN Configuration

Click [Main Menu\Device\VLAN], a VLAN dialog box similar to figure 2-8 will popup, which is useful for user configuring vlan information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for name

state

switchport access vlan

switchport hybrid allowed vlan

switchport hybrid untagged vlan

switchport native vlan

switchport trunk allowed vlan

ULAN						
VLAN Static Tabl	e Port VLAN Table					
Total Page 1	Page Size (row)	25 👻	Page Index	x 1) 🏘 🚳	000
VLAN ID	VLAN Name	Egress		Unt	agged Ports	Active Status
1	Default	1-26		1-26		Active
2	Cluster-Vlan	1-26				Active
3	test					Active
	Add	Modify	Delet	e l	view	
	1					1
					Export	Refresh Close

Figure 2-8 Static VLAN Table

		AN Table			
Port ID	VLAN Port Mode	Port Access VLAN ID	Native VLAN	Ingress Filtering	Allowed VLANs(Hy
1	Access	1	1	Enable	1-4094
2	Access	1	1	Enable	1-4094
3	Access	1	1	Enable	1-4094
4	Access	1	1	Enable	1-4094
5	Access	1	1	Enable	1-4094
6	Access	1	1	Enable	1-4094
7	Access	1	1	Enable	1-4094
3	Access	1	1	Enable	1-4094
3	Access	1	1	Enable	1-4094
10	Access	1	1	Enable	1-4094
11	Access	1	1	Enable	1-4094
12	Access	1	1	Enable	1-4094
13	Access	1	1	Enable	1-4094
14	Access	1	1	Enable	1-4094
15	Access	1	1	Enable	1-4094
16	Access	1	1	Enable	1-4094
17	Access	1	1	Enable	1-4094
18	Access	1	1	Enable	1-4094
19	Access	1	1	Enable	1-4094
20	Access	1	1	Enable	1-4094
 4 4					

Figure 2-9 The VLAN Table

ARP Configuration

Click [Main Menu\Device\ARP], an ARP dialog box similar to figure 2-10 will popup, which is useful for user configuring arp information for specific Switch.

Related command:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

arp

🛃 ARP							×
Total Page 1 Page S	Size (row) 25 💌	Page Index	1	4	0	0	0
IP Addres	s			MAC	Addres	3	
192.168.2.17	1917 B	00:11:11:0c	:5c:12				
192.168.2.21		00:0c:29:a1	:97:ac				
192.168.2.32		00:0e:5e:00):c2:c8				
192.168.2.81		00:0d:56:e2	2:6a:f4				
192.168.2.82		00:02:1e:e6	6:53:39				
	Add	Delete	View				
				Export		Refresh	Close

Figure 2-10 The ARP Configuration

IP Subnet Configuration

Click [Main Menu\Device\IP Addresses], an IP Addresses dialog box similar to figure 2-11 will popup, which is useful for user configuring IP subnet information for specific Switch. Related command:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for ip address

IP Addresses						
IP Subnet Index	IP Address	Subnet Mask	Associated VLA	N List Subr	net Name	Description
0	192.168.2.188	255.255.255.0	1		_	Default
		0.44 New 196				
		Add Modify	Delete	View		
				Export	Refresh	Close
				Export		01000

Figure 2-11 The IP Subnet Configuration

Spanning Tree Protocol Configuration

Click [Main Menu\Device\STP], a STP dialog box will popup, which is useful for user viewing and configuring STP information for specific Switch. See figure 2-12 to 2-17 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

spanning-tree

spanning-tree clear statistics

spanning-tree edged-port

spanning-tree forward-delay

spanning-tree hello-time

spanning-tree link-type

spanning-tree max-age

spanning-tree mcheck

spanning-tree mode

spanning-tree path-cost

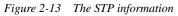
spanning-tree priority

spanning-tree transit-limit

		Statistics		P Port Config Tabl	
STP Info	STP Port	t Table		STP Port Ex	tended Table
	RSTP Enable		False		-
	STP Priority Time Since Topology Change Topology Changes		32768		
			0 hours, 0 mir	nutes, O seconds	3.
			0		
	STP Designated Root Bridge			E00C357	
	STP Root Cost	t	0		
	STP Root Port		N/A		
	STP Max Age		20		(Unit:Second)
	STP Hello Time		2		(Unit:Second)
	STP Hold Time		0		(Unit:Second)
	STP Forward Del	lay	15		(Unit:Second)
	STP Bridge Max A	ige	20		(Unit:Second)
	STP Bridge Hello T	Time	2		(Unit:Second)
	STP Bridge Forward	Delay	15		(Unit:Second)
	STP Version		RSTP		•
Ма	x Transmission Limit pe	r Hello Time	3		
	Default Path Cost Ve	ersion	IEEE802.1t 32	-bit cost	

Figure 2-12 The STP information

	RSTP Port Statis	stic Table	C	lear Statistics	RSTP Port C	onfiq Table
ST	P Info	STF	Port Table	1	STP Port Extended T	able
STP Port	Port Priority	Port State	Port Enable	Port Path Cost	STP Designated Root	STP Designated
	128	Disabled	Disabled	200000	N/A	0
2	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
3	128	Disabled	Disabled	200000	N/A	0
1	128	Disabled	Disabled	200000	N/A	0
5	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
6	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
7	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
8	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
9	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
10	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
11	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
12	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
13	128	Disabled	Disabled	200000	N/A	0
14	128	Disabled	Disabled	200000	N/A	0
15	128	Disabled	Disabled	200000	N/A	0
16	128	Forwarding	Enabled	2000000	32768-000E5E00C357	0
17	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
18	128	Disabled	Disabled	200000	N/A	0
19	128	Disabled	Disabled	200000	N/A	0
20	128	Disabled	Disabled	200000	N/A	0
21	128	Disabled	Disabled	200000	N/A	0
22	128	Forwarding	Enabled	200000	32768-000E5E00C357	0
23	128	Disabled	Disabled	200000	N/A	0
23	128	Forwarding	Enabled	200000	32768-000E5E00C357	0



	RSTP Port Statistic Table		r Statistics	RSTP Port Config Table		
STF	Pinfo STI	P Port Table	2	STP Port Extended T	able	
STP Port	Force Protocol Migration	AdminEdgePort	OperEdgePort	AdminPointToPoint	OperPointToPoir	
	False	False	False	Auto	False	
2	False	False	False	Auto	True	
3	False	False	False	Auto	False	
1	False	False	False	Auto	False	
5	False	False	False	Auto	True	
6	False	False	False	Auto	True	
7	False	False	False	Auto	True	
3	False	False	False	Auto	True	
3	False	False	False	Auto	True	
10	False	False	False	Auto	True	
11	False	False	False	Auto	True	
12	False	False	False	Auto	True	
13	False	False	False	Auto	False	
4	False	False	False	Auto	False	
15	False	False	False	Auto	False	
16	False	False	False	Auto	False	
17	False	False	False	Auto	True	
8	False	False	False	Auto	False	
19	False	False	False	Auto	False	
20	False	False	False	Auto	False	
21	False	False	False	Auto	False	
22	False	False	False	Auto	True	
23	False	False	False	Auto	False	
24	False	False	False	Auto	True	
 ())))))))))))))))))))))))))))))))))))					8	
		-				
		Modify	View			

Figure 2-14 The STP information

		TP Port Table	ST	FP Port Extended Table		
RS	TP Port Statistic Table	C	lear Statistics	Statistics RSTP Port Config Table		
STP Port	Receive STP BPDU	Receive TCN	Receive RSTP BPDU	Send STP BPDU	Send TCN	
1	0	0	0	0	0	
2	0	0	0	0	0	
3	0	0	0	0	0	
4	0	0	0	0	0	
5	0	0	0	0	0	
3	0	0	0	0	0	
7	0	0	0	0	0	
3	0	0	0	0	0	
9	0	0	0	0	0	
10	0	0	0	0	0	
11	0	0	0	0	0	
12	0	0	0	0	0	
13	0	0	0	0	0	
14	0	0	0	0	0	
15	0	0	0	0	0	
16	0	0	0	0	0	
17	0	0	0	0	0	
18	0	0	0	0	0	
19	0	0	0	0	0	
20	0	0	0	0	0	
21	0	0	0	0	0	
22	0	0	0	0	0	
23	0	0	0	0	0	
	0	0	0	0	0	



OTD Info	070.0	Port Table	1	STP Port Exter	adad Tabla
STP Info RSTP Port Stati		-OULLAUNE	Clear Statistics	Committee and the second	Port Config Table
			Jiear otatistics	CHINESE CONTRACTOR	
ອ 1	TP Port		En lora	Clear Statist	lics
2			False		
			False		
3			False		
-			False		
j			False		
i			False		
2			False		
3			False		
9			False		
0			False		
1			False		
2			False		
13			False		
14			False		
15			False		
6			False		
17			False		
18			False		
19			False		
20			False		
21			False		
22			False		
23			False		
24			False		
		Мо	dify View		
			Ex	port Save	Refresh Close

STP Info	STP Por	t Table	STP Port Extended Table
RSTP Port Statistic Ta	able	Clear Statistic	s RSTP Port Config Table
STP Por	t		Port RSTP Enable
		True	
		True True	
		True	
		True	
		Inne	
		Modify Vie	9W

Figure 2-16 The STP information

Figure 2-17 The STP information

DHCP Configuration

Click [Main Menu\Device\DHCP], a DHCP Server dialog box will popup, which is useful for user viewing and configuring DHCP Server information. See figure 2-18 to 2-21 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

dhcp-server active

dhcp-server default-lease

dhcp-server enable

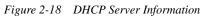
dhcp-server ip-pool

dhcp-server max-lease

dhcp-server min-lease

dhcp-server relay-ip

	P Pool Table DHCI Server Management CP Server VLAN	P Relay Table	DHCP Server Statistics	
		1-4094		
		1-4094		
		1-4094		
		1-4094	_	
		1-4094	-	
	CP Server VLAN			
	Server MAX Lease	10080	(Unit:Minute)	
	Server Min Lease	30	(Unit:Minute)	
DHCPS	erver Default Lease	30	(Unit:Minute)	
	Server Startup Time	0 hours, 0 mi	inutes, 0 seconds.	



🕑 DHCP Server
DHCP Server DHCP Server IP Pool Table DHCP Relay Table DHCP Server Statistics
Total Page 0 Page Size (row) 25 🔻 Page Index 1 🛷 ඟ 🚳 🚳
DHCP IP Pool Index IP Pool Name VLAN Set Started IP End IP IP Mask IP Gateway Address
Add Modify Delete View
Add Modily Delete View
Export Save Refresh Close

Figure 2-19 DHCP Server Information

DHCP Server							×
DHCP Server	DHCP Server IP Pool T	able D	HCP Relay Table	DHCP Ser	ver Statistics	3	
Total Page 0	Page Size (row)	25 🔻	Page Index	1 🐵			
	Relay IP Address			Re	lay IP Mask		
	Add	Mod	ify Delete	View			
	1.00						
			Exp	ort Save	e Refr	resh	Close

Figure 2-20 DHCP Server Information

DHCP Server	DHCP Server IP Pool Table	DHCP Relay Table	DHCP Server Statistics	
	DHCP Server Bootps	0		
	DHCP Server Discovers	; 0		
	DHCP Server Requests	0		
	DHCP Server Releases	0		
	DHCP Server Offers	0		
	DHCP Server Acks	0		
	DHCP Server Nacks	0		
	DHCP Server Declines	0		
	DHCP Server Information	is O		
	DHCP Server Unknows	0		
	DHCP Server Total Packe	ts O		

Figure 2-21 DHCP Server Information

RMON Configuration

Click [Main Menu\Device\RMON], a RMON dialog box similar to figure 2-22 will popup, which is useful for user viewing and configuring RMON protocol information. See figure 2-22 to 2-24 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for rmon alarm

rmon event

rmon history

rmon statistic

RMON													X
Event Table	Alarm Table	e St	tatistics Tab	le									
Total F	Page O	Page	e Size (row)	25	•	Page I	Index	1	4	0			0
Index	Descriptio	in	Туре		Com	munity		Last Ti	ime Sent	t 🗍	Own	er	Status
								11					
			Add	26	Modify		Delete	Vi	iew				
									E	xport	R	efresh	Close

Figure 2-22 The Event Table

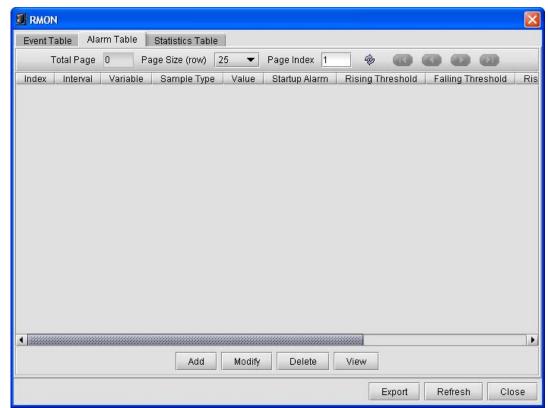


Figure 2-23 The Alarm Table

Event 7	Fable 🔰 Alarm Table	Statistics Ta	able				
7	Total Page 2	Page Size (rov	v) 25 🔻	Page Inde	ex 1 🏾 🍘		
Index	DataSource	DropEvents	Octets	Pkts	Broadcast Pkts	Multicast Pkts	CRCAlign Er
1	Layer2 Interface 1	0	446849	6909	6863	0	0
2	Layer2 Interface 2	0	2719061914	12178176	812498	172949	0
3	Layer2 Interface 3	0	446849	6909	6863	0	0
4	Layer2 Interface 4	0	38620502	83281	76913	654	0
5	Layer2 Interface 5	0	2072055131	4790957	880140	16900	0
6	Layer2 Interface 6	0	440966710	1138098	879999	16761	0
7	Layer2 Interface 7	0	384815533	943714	880133	16744	0
8	Layer2 Interface 8	0	686425714	1198642	690256	6135	1
9	Layer2 Interface 9	0	693525104	1010676	450197	3902	0
10	Layer2 Interface 10	0	610154454	1788569	880076	16868	0
11	Layer2 Interface 11	0	586648930	1193466	645065	5754	0
12	Layer2 Interface 12	0	986828675	1778964	870610	17008	0
13	Layer2 Interface 13	0	446849	6909	6863	0	0
14	Layer2 Interface 14	0	446849	6909	6863	0	0
15	Layer2 Interface 15	0	446849	6909	6863	0	0
16	Layer2 Interface 16	0	367945005	928540	880139	36236	0
17	Layer2 Interface 17	0	393233133	1114636	880139	158986	0
18	Layer2 Interface 18	0	446849	6909	6863	0	0
19	Layer2 Interface 19	0	446849	6909	6863	0	0
20	Layer2 Interface 20	0	446849	6909	6863	0	0
21	Lover2 Interface 21		116919	Rana	6863	n	0
			4				
			[View			
			4	VIEW			

Figure 2-24 The Statistics Table

Trunk Configuration

Click [Main Menu\Device\Trunk], a Trunk dialog box will popup, which is useful for user viewing and configuring Trunk information. See figure 2-25 to 2-26 for reference. Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for trunk

trunk group

trunk loading-sharing mode

🕑 Trunk	X
Trunk Config Trunk Group Table	
Trunk	Enable
Trunk Load Share Mode	Source XOR destination MAC
Max Trunk Group	6
	Export Save Refresh Close

Figure 2-25 Trunk Configuration

进 Trunk				×
Trunk Config	Trunk Gro	oup Table		
Trunk Gro	up ID	Config Port List	_	Trunk Port List in Effect
1 2				
3				
4				
5				
6				
		Modify	/iew	
		Export	s	ave Refresh Close

Figure 2-26 The Trunk Group Table

Bandwidth Configuration

Click [Main Menu\Device\Rate Limit], a Rate Limit dialog box similar to figure 2-27 will popup, which is useful for user viewing and configuring bandwidth information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

rate-limit port-list

commands.

Port	Ingress Rate	Ingress Burst	Egress Rate	Egress Burst
1.011	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
)	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
3	0	0	0	0
3	0	0	0	0
)	0	0	0	0
1	n	Modify	View	n

Figure 2-27 The Rate Limit dialog box

Access Control List

IP Access Control List

Click [Main Menu\Device\Access Control List\IP ACL Rule Table], an IP ACL Rule Table dialog box similar to figure 2-28 will popup, which is useful for user viewing and configuring the IP ACL information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for ip-access-list

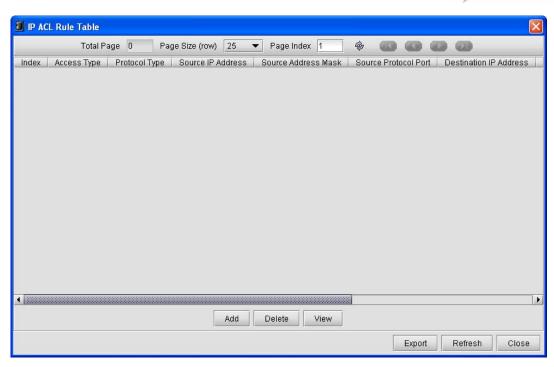


Figure 2-28 The IP ACL Rule Table

MAC Access Control List

Click [Main Menu\Device\Access Control List \MAC ACL Rule Table], a MAC ACL Rule Table dialog box similar to figure 2-29 will popup, which is useful for user viewing and configuring the MAC ACL information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for mac-access-list

MAC ACL R	tule Table				
	Total Page 0	Page Size (row) 25	▼ Page Index 1	*	0
Index	Access Type	Protocol Type	Source Address	Destination Address	Reference Counter
		Add	Delete View		
				Export	Refresh Close

Figure 2-29 The MAC ACL Rule Table

User ACL Rule Table

Click [Main Menu\Device\Access Control List \User ACL Rule Table], a User ACL Rule Table dialog box similar to figure 2-30 will popup, which is useful for user viewing and configuring the User ACL information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for user-access-list

commands.

进 User ACL Ru	le Table							
	Total Page 0	Page Size (row)	25 💌	Page Index 1		00	00	
Index	Access Type	Rule	Data	Rule Mask	(Offset	Reference Counte	r
			Add	Delete Viev	w			
						Export	Refresh C	lose

Figure 2-30 The User ACL Rule Table

Filter Rule Table

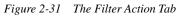
Click [Main Menu\Device\Access Control List \Filter Rule Table], a Filter Rule Table dialog box similar to figure 2-31 will popup, which is useful for user viewing and configuring the filter information within ACL for specific Switch. See figure 2-31 to 2-33 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for filter

filter enable|disable

🐠 Filter Rule Table						X
Filter Action Filter Rule Table	Layer 3 Filter Table					
		Disable				
	Filter Action	Disable		•		
		5	Export	Save	Refresh	Close



进 Filter Rule	Table											X
Filter Action	Filter Ru	ule Table 📗	Layer 3 Filter Table	e								
	Total P	age O	Page Size (row)	25 💌	Page Inde	x 1					0	
ACL Typ	e	ACLI	Number	Ingress F	Port	Egres	s Port		VL	LAN .	J	Status
				a dat	Dalata							
				Add	Delete	View						
L							Expor	t	Save		Refresh	Close

Figure 2-32 The Filter Rule Table Tab

Filter Rule Ta	ble												
ilter Action Fi	ilter Rule Ta	ble	Layer 3 Filter Table										
Т	otal Page	0	Page Size (row)	25	•	Page Index	1	-				0	
	IF	^o Subr	net Index						IP.	ACL In	lex		
				Add		Delete	View						
								Exe	ort I	Rour		Bofrach	Clos
								Ext	oort	Save		Refresh	Clos

Figure 2-33 The Layer-3 Filter Table Tab

Static MAC Address Configuration

Click [Main Menu\Device\Static MAC], a Static MAC dialog box similar to figure 2-34 will popup, which is useful for user viewing and configuring static MAC address information.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for mac-address-table static unicast

Description Static MAC								
Total Page 0	Page Size (row)	25 💌	Page Index	1		00		0
VLAN ID		Static M	AC Address			Port Nun	nber	
		Add	Delete	View				
					Export	Refresh		Close

Figure 2-34 The Static MAC Address configuration

Port Mirroring Configuration

Click [Main Menu\Device\Port Mirroring], a port mirroring configuration dialog box similar to figure 2-35 will popup, which is useful for user viewing and configuring port mirroring information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for mirror

mirror monitor-port

mirror source-port-list

commands.

0	Port Mirroring	
[Mirroring Management	Disable 🗸
[Monitor Port	Port 1 👻
[Ingress Mirrored Ports	
[Egress Mirrored Ports	
	Export	Save Refresh Close

Figure 2-35 The Port Mirroring configuration

IGMP SNOOPING Configuration

Click [Main Menu\Device\IGMP Snooping], an IGMP Snooping dialog box similar to figure 2-36 will popup, which is useful for user viewing and configuring IGMP Snooping information for specific Switch.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

ip igmp snooping

ip igmp snooping immediate-leave

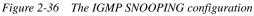
ip igmp snooping mrouter

ip igmp snooping vlan

ip igmp snooping vlan vlanlist immediate-leave

ip igmp snooping timeout

🐠 IGMP Snooping	;	
IGMP Snooping	IGMP Snooping L2 Multicast Table	
	IGMP Snooping Management	Enable
	IGMP Snooping Aging Time	300 (Unit:Second)
	IGMP Snooping VLAN	1-4094
	Immediate-leave VLAN	
	Multicast Filter	Filter-all
		Export Save Refresh Close



🐠 IGMP Snoopin	g		×
IGMP Snooping	IGMP Snooping L2 Multicas	st Table	
Total Page 0	Page Size (row) 25	💌 Page Index 1 🛛 🚸	
VLAN ID 9	Static Multicast Address	Static Multicast Receive Port	Multicast Forwarding Ports
		Export Save	Refresh Close

Figure 2-37 The Lay-2 Multicast Table

MVR Configuration

Click [Main Menu\Device\MVR Configuration], an MVR Configuration dialog box will popup, which is useful for user viewing and configuring MVR information for specific Switch. See figure 2-38 to 2-41 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for mvr disable

mvr enable

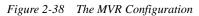
mvr group

mvr mode

mvr timeout

mvr vlan

进 MVR Configurati	on				X		
MVR Configuration	MVR Group Table	MVR IF Cor	nfiguration Table	MVR IF Members	Table		
Г	MVR Managem	ont	Disable	-			
L L				•			
	MVR Multicast V	'LAN	1				
	MVR Max Grou	ips	256				
	MVR Current Gro	oups	0				
	MVR Query Tir	ne	600				
	MVR Operation N	Vode	Compatible	-			
			Export	Save Refre	esh Close		



🕕 MVR Configuratio	n								×
MVR Configuration	MVR Group Table	MVR IF	Configuration	Table	MVR IF	Membe	ers Tab	le	
Total Page 0	Page Size (row)	25 🔻	Page Index	1	4				
MVR Group Ad	Idress	MVR Gr	oup Status		MVF	R Group	Membe	er Ports	6
		Add	Delete	View					
			Ex	port	Save	R	efresh		Close

Figure 2-39 The MVR Multicast Group Table

MVR Configuration	MVR Group Table	MVR IF Configu	uration Table	MVR IF Memb	ers Table	
MVR Port Index	MVR IF Magement	MVR IF Type	MVR IF Imr	mediate Leave	MVR IF Status	
1	Disable	non-mvr	Disable		Inactive	-
2	Disable	non-mvr	Disable		Inactive	20000
3	Disable	non-mvr	Disable		Inactive	0000
4	Disable	non-mvr	Disable		Inactive	0000
5	Disable	non-mvr	Disable		Inactive	0000
6	Disable	non-mvr	Disable		Inactive	10000
7	Disable	non-mvr	Disable		Inactive	10000
8	Disable	non-mvr	Disable		Inactive	10000
9	Disable	non-mvr	Disable		Inactive	0000
10	Disable	non-mvr	Disable		Inactive	2000
11	Disable	non-mvr	Disable		Inactive	0000
12	Disable	non-mvr	Disable		Inactive	
13	Disable	non-mvr	Disable		Inactive	
14	Disable	non-mvr	Disable		Inactive	
15	Disable	non-mvr	Disable		Inactive	
16	Disable	non-mvr	Disable		Inactive	
17	Disable	non-mvr	Disable		Inactive	
Modify View						

Figure 2-40 The MVR IF Configuration Table

MVR Configuration	n			×
MVR Configuration	MVR Group Table MVR I	F Configuration Table	MVR IF Mem	bers Table
Total Page 0	Page Size (row) 25 💌	Page Index 1	🏾 🚸 📧	
MVR Port Index	MVR Multicast VLAN	MVR Member Group	Address	MVR Member Type
	Add	Delete View		
		Export	Save	Refresh Close

Figure 2-41 The MVR IF Members Table

IGMP Filter Configuration

Click [Main Menu\Device\IGMP Filter Configuration], an IGMP Filter Configuration dialog box will popup, which is useful for user viewing and configuring IGMP Filter information for specific Switch. See figure 2-42 to 2-44 for reference. Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for ip igmp filter

ip igmp profile

🐠 IGMP Filter Con	ifiguratio	n							
IGMP Filter Configu	iration	GMP Profile Table	e IGM	P Filter IF Tab	le				
	IGMP	Filter Manageme	nt	Enable			-		
				Export		Save	Refre	sh	Close

Figure 2-42 The IGMP Filter configuration

IGMP Filter Configuration	×
IGMP Filter Configuration IGMP Profile Table IGMP Filter IF Table	
Total Page 0 🛛 Page Size (row) 25 💌 Page Index 1 🛛 🛷 🧃	
IGMP Profile Index IGMP Profile Start Address IGMP Profile End Address	IGMP Profile Action
Add Modify Delete View	
Export Save	Refresh Close

Figure 2-43 The IGMP Profile Table

IGMP Filter Configur	ation IGMP Profile	Table IGMP Filter IF Table	e			
IGMP Filter IF Index	IGMP Profile Index	IGMP Filter Max Groups	IGMP Filter Current Groups	IGMP		
	0	0	0	Deny 🔺		
2	0	0	0	Deny 🔮		
}	0	0	0	Deny		
ļ	0	0	0	Deny		
5	0	0	0	Deny		
i	0	0	0	Deny		
,	0	0	0	Deny		
}	0	0	0	Deny		
}	0	0	0	Deny		
0	0	0	0	Deny 🔮		
1	0	0	0	Deny		
2	0	0	0	Deny		
3	0	0	0	Deny		
4	0	0	0	Deny		
5	0	0	0	Deny		
6	0	0	0	Deny 🖕		
		Modify View				

Figure 2-44 The IGMP Filter IF Table

QoS Configuration

QoS Configuration

Click [Main Menu\Device\QoS\QoS Configuration], an QoS Configuration dialog box will popup, which is useful for user viewing and configuring information regarding global QoS and QoS port for specific Switch. See figure 2-45 and 2-46 for reference. Related commands: See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for mls qos mls qos default-cos mls qos default-cos mls qos default-dscp mls qos dscp-mutation commands.

进 QoS Configuration	on		
Global QoS Configu	uration 💧	QoS Port Configuration Ta	able
F			
L	(QoS Management	Enable
<u></u>			
			Export Save Refresh Close

Figure 2-45 The global QoS configuration

Global G	oS Configurati	on Qos Port Cont	QoS Port Configuration Table			
Port ID	Trust State	Port Default CoS	Port Default DSCP	DSCP Override	DSCP Mutation Nam	
1	Untrusted	0	0	Disable	default-dscp	
2	Untrusted	0	0	Disable	default-dscp	
3	Untrusted	0	0	Disable	default-dscp	
4	Untrusted	0	0	Disable	default-dscp	
5	Untrusted	0	0	Disable	default-dscp	
6	Untrusted	0	0	Disable	default-dscp	
7	Untrusted	0	0	Disable	default-dscp	
3	Untrusted	0	0	Disable	default-dscp	
9	Untrusted	0	0	Disable	default-dscp	
10	Untrusted	0	0	Disable	default-dscp	
11	Untrusted	0	0	Disable	default-dscp	
12	Untrusted	0	0	Disable	default-dscp	
13	Untrusted	0	0	Disable	default-dscp	
14	Untrusted	0	0	Disable	default-dscp	
15	Untrusted	0	0	Disable	default-dscp	
16	Untrusted	0	0	Disable	default-dscp	
17	Untrusted	0	0	Disable	default-dscp	
18	Untrusted	0	0	Disable	default-dscp	
19	Untrusted	0	0	Disable	default-dscp	
20	Untrusted	0	0	Disable	default-dscp	
 3000000000000000000000000000000000000						
			Modify View			

Figure 2-46 The QoS port configuration

QoS Traffic Class

Click [Main Menu\Device\QoS\QoS Traffic Class], a QoS Traffic Class dialog box will popup, which is useful for user viewing and configuring information regarding QoS port,

Policy Map, Match Statement, Policer and Action. See figure 2-47 and 2-52 for reference. Related commands: See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for class-map description(class-map) description(policy-map) match mls qos {aggregate-policer |class-policer | single-policer } police policy-map commands. **for fife Class Gots Traffic Class Gots Match Statement Table Gots Policy Map Configuration Table Gots Class Map Configuration Table Gots Policy Map Name Ingress Port Egress Portlist Policy Map Name**

进 QoS Traffic Class		
QoS Match Statement Table QoS Service Policy Table Q	QoS Policer Configuration Table oS Policy Map Configuration Table	QoS Action Configuration Table QoS Class Map Configuration Table
Total Page 0 Page Size	(row) 25 💌 Page Index 1	* (() () () ()
Ingress Port	Egress Portlist	Policy Map Name
	Add Modify Delete	View
		Export Refresh Close

Figure 2-47 The QoS Service Policy Table

🕑 QoS Traffic Class					D	×
		nfiguration Table		ction Confiqu s Map Config	ration Table uration Table	
Total Page 0 Page Size (row)	25 💌	Page Index 1	🏾 🍲 (
Policy Map Name		P	olicy Map D	escription		Ī
	1					
Add	Modify	Delete	view			
			Export	Refresh	Close]

Figure 2-48 The QoS Policy Map information

QoS Traffic Class	×
	n Configuration Table p Configuration Table
Total Page 0 🛛 Page Size (row) 25 🔻 Page Index 1 🛷 📖	
Class Map Name Class Map Description Class Map Type	Class Map ID
Add Modify Delete View	
Export	Refresh Close

Figure 2-49 The QoS Class Map information

DoS Traffic Class				
QoS Service Policy Table QoS Match Statement Table	QoS Policy Map Con QoS Policer Co	fiquration Table		Configuration Table
Total Page 0 Page S	iize (row) 25 💌	Page Index 1	🏾 🊸 📧	
Class Map Name	Match Stateme	nt Type	Match ID	Class Map Name
	Add	Delete View		
			Export F	Refresh Close

Figure 2-50 The QoS Match Statement information

💆 QoS Traffic Class	X
QoS Service Policy Table QnS Policy Man Configuration Table QoS Match Statement Table QoS Policer Configuration Table	QoS Class Map Configuration Table QoS Action Configuration Table
Total Page 0 Page Size (row) 25 💌 Page Index 1	* • • • • •
Policer Name Policer Type Policer Rate Policer Burst	Exceed Action Markdown DSCP
Add Modify Delete	View
	Export Refresh Close

Figure 2-51 The QoS Policer information

🕑 QoS Traffic Class				×
QoS Service Policy T QoS Match Stateme		Configuration Table		Configuration Table
Total Page 0	Page Size (row) 25	▼ Page Index 1	🌵 📧 (
Policy Map Name	Class Map Name 🛛 Ad	tion Type Set Value	Policer Name	Statistics Enable
	Add M	odify Delete	View	
			Export Re	fresh Close

Figure 2-52 The QoS Action information

QoS Mapping

Click [Main Menu\Device\QoS\QoS Mapping], a QoS Mapping dialog box will popup, which is useful for user viewing and configuring information regarding: DSCP Mutation, Mapping from CoS to DSCP, Mapping from ToS to DSCP, and Mapping from DSCP to CoS. See figure 2-53 and 2-56 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

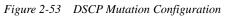
mls qos map cos-dscp

mls qos map dscp-cos

mls qos map dscp-mutation

mls qos map ip-prec-dscp

🐠 QoS Mapping		X
QoS CoS to DSCP Table	OnS ToS to DSCP Table QoS DSCP Mutation Table	OnS DSCP to CoS Table
Total Page 3 Page Size (row)	25 Page Index 1	* 🕚 🜑 🕢 🕢
DSCP Mutation Name	DSCP Value	New DSCP Value
default-dscp	0	0
default-dscp	1	1
default-dscp	2	2
default-dscp	3	3
default-dscp	4	4
default-dscp	5	1 2 3 4 5 6 7 8 9 10 11
default-dscp	6	6
default-dscp	7	7
default-dscp	8	8
default-dscp	9	9
default-dscp	10	10
default-dscp	11	11 📓
default-dscp	12	12
default-dscp	13	13
default-dscp	14	14
default-dscp	15	15
default-dscp	16	16
default-dscn	17	17 💌
Add	Modify Delete	View
	Export	Save Refresh Close

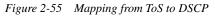


🕮 QoS Mapping	
	Mutation Table DDSCP Table QoS DSCP to CoS Table
Total Page 1 Page Size (row) 25 💌 F	Page Index 1 🔗 🚯 🜑 🕖
CoS Value	DSCP Value
0	0
1	8
2	16
3	24
4	32
5	40
6	48
7	56
Modify	View
	Export Save Refresh Close

Figure 2-54 Mapping from CoS to DSCP

User Manual

🕑 QoS Mapping				
QoS CoS to DSCP Table	QoS DSCP Mut QoS ToS to DS		QoS DS	CP to CoS Table
Total Page 1 Page Size (rov	v) 25 🔻 Page	e Index 1	🍖 📧	
IP Precedence Val 0	ue	0	DSCP Va	ilue
1		8		
2		16		
3 4		24 32		
5		40		
6 7		48 56		
1		50		
	Modify	View		
		Export	Save F	Refresh Close



🕼 QoS Mapping	X
	Mutation Table o DSCP Table QoS DSCP to CoS Table
Total Page 3 Page Size (row) 25 💌	Page Index 1 🛛 🚸 📧 🜑 🕢 🛺
DSCP Value	CoS Value
0	0
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	2
17	2
Modify	View
	Export Save Refresh Close

Figure 2-56 Mapping from DSCP to CoS

QoS Queue

Click [Main Menu\Device\QoS\QoS Queue], a QoS Queue dialog box will popup, which is

useful for user viewing and configuring information regarding QoS queue. See figure 2-57 and 2-59 for reference. Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

queue bounded-delay

queue cos-map

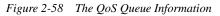
queue strict-priority

queue wrr-weight

🕑 QoS Queue					X
QoS Queue Configuration	QoS Queue Configuratio	on Table	QoS Cos	3 to Egress Table	1
		-			
QoS	Queue Scheduler Mode	SP		•	
	Queue 1 Weight	0			
	Queue 2 Weight	0			
	Queue 3 Weight	0			
	Queue 4 Weight	0			
	Bound Delay Time	0		(Unit:Millisecond)	
1	Queue Config Port	All Ports		•	
		Exp	port	Save Refre	esh Close

Figure 2-57 Configure the QoS Queue

📕 QoS Queue												
QoS Queue Confi	guration	QoS Que	ue Confi	igura	ation Table 📗	QoS	CoSt	o Egr	ress Tal	ble		
Total Page 1	Page	Size (row)	25	•	Page Index	1		4				
Port ID	G	ueue ID		Ģ	Queue Weight	t		Q	ueue Bo	ound D	elay Tir	ne
All Ports	1		0				0					
All Ports	2		0				0					
All Ports	3		0				0					
All Ports	4		0				0					
					View							



🕑 QoS Queue					X
QoS Queue Configuration Qo	S Queue Configura	ation Table	QoS CoS to E <u>c</u>	ress Table	
Total Page 1 Page Size	e (row) 25 💌	Page Index	1 🐵	00	00
Port ID	Que	ue Priority		Queue	ID
All Ports	0		1	· · · · · · · · · · · · · · · · · · ·	
All Ports	1		1		
All Ports	2		2		
All Ports	3		2		
All Ports	4		3		
All Ports	5		3		
All Ports	6		4		
All Ports	7		4		
	Modi	fy View			
		Exp	ort Save	Refresh	Close

Figure 2-59 The CoS to Egress table

SNTP Client Configuration

Click [Main Menu\Device\SNTP Client], a SNTP Client dialog box similar to figure 2-60 will popup, which is useful for user viewing and configuring SNTP (Simple Network Time

Protocol) Client information. Related commands: See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for sntp server commands.

NOTE: After you have set address of SNTP Client, click the <Save> button. The Switch will synchronize the time immediately from the configured address.

SNTP Client
SNTP Client Address 224.0 .1 .1
Export Save Refresh Close

Figure 2-60 The SNTP Client Configuration

SysLog Configuration

Click [Main Menu\Device\Syslog], a Syslog dialog box will popup, which is useful for user viewing and configuring SYSLOG information for specific Switch. See figure 2-61 to 2-63 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

debug

logging console

logging file

logging host

logging monitor

logging on

logging rate

logging time-stamp

 SysLog Server Table Debug	
Syslog Management	Enable 🗸
Rate Limit	0
Droped Messages	0
Console Messages	196
Monitor Messages	0
Time Stamp	Standard
Max Server Number	10
Server Number	0

Figure 2-61 The SysLog Server Information

🗿 SysLog										×
SysLog Service	SysLog Serv	er Table	Debug	Table						
Total Page 0	Page Siz	e (row)	25 💌	Page Index	1	4		0	0	0
Server IP Ac	idress	Se	rver Protoc	ol Port	F	acility		Мах	Sever	ity
				-11						
		Add	Modify	Delete	V	iew				
				Ex	port	Save	F	Refresh		Close

Figure 2-62 The SysLog Server Table

SysLog Service	SysLog Server Table	Debug Table		
Index		Module Name	Module Switch	
1	system		Enable	
2	ospf		Disable	
3	rip		Disable	
4	gvrp		Disable	
5	igmp snoo	ping	Disable	
6	cli		Disable	
7	driver		Disable	
8	DHCP		Disable	[]
9	snmp ager	nt	Disable	(
10	stp		Disable	
11	lacp		Disable	
12	radius		Disable	
13	802.1x		Disable	
14	qos		Disable	
15	rmon		Disable	
16	sntp		Disable	
17	telnet		Disable	
	La de constantes. Serve	Modify View		

Figure 2-63 The Debug Table

SNMP Community Table

Click [Main Menu\Device\SNMP Community], a SNMP Community Table dialog box will popup, which is useful for user viewing and configuring information related to SNMP Community. See figure 2-64 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for snmp-server community

SNMP Comn	nunity Table		×
Index	Community Name	View Name	Access Control
1	public	internet	ReadOnly
2			ReadOnly
3	nview	internet	ReadWrite
4			ReadWrite
5			ReadWrite
6			ReadWrite
7			ReadWrite
8			ReadWrite
	Modify	Delete View	
		Expor	t Refresh Close

Figure 2-64 The SNMP Community Table

User Authentication And Management

Click [Main Menu\Device\User Config], a user configuration dialog box will popup, which is useful for user accessing and configuring the account information. See figure 2-65 and 2-66 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

radius

radius-key

user

user login

user name privilege

JUser Config		×
User Config 🛛 Us	ser Table	
	Logon Method	Local
	IP Address of RADIUS Server	0. 0. 0. 0
	Authentication Key	
	Enable Method	Local 🗸
		Export Save Refresh Close

Figure 2-65 The User Configuration

User Config				E
User Config Use	er Table			
Total Page 0	Page Size (row) 2	5 💌 Page Index	1 🚸 📧	
Server IP	User Name	User Priority	User Status	Terminal Type
			port Save	Refresh Close

Figure 2-66 The User Information

Cluster Management Protocol

Click [Cluster\RCMP] from the main menu, a RCMP dialog box will popup, which is useful for user viewing and configuring information related to cluster management protocol. See figure 2-67 and 2-68 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

cluster

cluster-autoactive

cluster-autoactive commander-mac

User Manual

RCMP Set	RCMP Member Table		
	RCMP Cluster Enable	Disable	
	RCMP Identiry	Candidate	
	Commander Mac	00:00:00:00:00	
	Auto Active Management	Disable 👻	
	Auto Active Commander Mac	00:00:00:00:00	
	RCMP ID	00:0e:5e:00:c3:57	

Figure 2-67 The RCMP Set

RCMP			X
RCMP Set RCMP M	ember Table		
Total Page 0	Page Size (row) 25 💌	Page Index 1 🏼 🚸	
MAC	Host Name	Active	Operation State
		View	
1		Export	Save Refresh Close

Figure 2-68 The RCMP Member Table

Neighbor Discovery Protocol

Click [Cluster\RNDP] from the main menu, a RNDP dialog box will popup, which is useful for user viewing and configuring information related to RNDP (Raisecom Neighbor Discovery Protocol). See figure 2-69 and 2-71 for reference. Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for rndp

🗊 RNDP
RNDP Protocol RNDP Interface Table RNDP Discovery Table
RNDP Protocol Management Enable
RNDP Protocol Management Enable
Export Save Refresh Close

Figure 2-69 The RNDP Protocol

S RNDP			×
RNDP Protocol	RNDP Interface Table	NDP Discovery Table	
	RNDP Interface ID	RNDP Interface Enable	
1		Enable	-
2		Enable	33
3		Enable	1000
4		Enable	
5		Enable	2000
6		Enable	
7		Enable	
8		Enable	
9		Enable	2000
10		Enable	1000
11		Enable	000
12		Enable	2000
13		Enable	2000
14		Enable	
15		Enable	333
16		Enable	12424
17		Enable	-11
18		Enable	-11
19		Enable	-11
20		Enable	-
21		Enable	_
		Modify View	
		Export Save Refresh Clos	е

Figure 2-70 The RNDP Interface Table

🕑 RNDP				X
RNDP Protocol RNDP Inter	face Table RNDP Disco	very Table		
Total Page 1 Page	e Size (row) 25 💌 F	age Index 1	*	
RNDP Discovery Interface ID 17	Device ID Port II 00:0e:5e:00:c2:c8 3) Host Name sw32	Platform OID .1.3.6.1.4.1.8886.6.3	Device Capabilities Switch
		ïew		
			t Save Re	afresh Close
		Expor	ave Rt	ciuse

Figure 2-71 The RNDP Discovery Table

Topology Discovery Protocol

Click [Cluster\RTDP] from the main menu, a RTDP dialog box will popup, which is useful for user viewing and configuring information related to RTDP (Raisecom Topology Discovery Protocol). See figure 2-72 and 2-74 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for rtdp

rtdp max-hop

S RTDP		×
RTDP Protocol RT	DP Device Discovery Table RTD	P Relationship Table
	RTDP Collect Management	Disable
	RTDP Max Hops	16
		Export Save Refresh Close

Figure 2-72 The RTDP Protocol

🗊 RTDP 🛛 🔀
RTDP Protocol RTDP Device Discovery Table RTDP Relationship Table
Total Page 0 Page Size (row) 25 🔻 Page Index 1 🛷 🚳 🌑 🚥
Device ID Hops Host Name Platform OID Role Commander MAC Auto Active Auto Active MAC
View
Export Save Refresh Close

Figure 2-73 The RTDP Device Discovery Table

RTDP									(
RTDP Protocol	RTDP	Device Discovery	Table R	TDP Relation	iship Table	1			
Total Page	0	Page Size (row)	25 💌	Page Inde	x 1	*			0
Device I	D	Peer	Device ID		Native P	ort	34 33	Peer F	Port
				View					

Figure 2-74 The RTDP Relationship Table

SNMP Engine ID

Click [SNMPv3\SNMP Engine ID] from the main menu, a SNMP Engine ID dialog box will popup, which is useful for user viewing the information on SNMP Engine ID. See figure 2-75 for reference.

SNMP Engine ID	
SNMP Engine ID	80 00 22 b6 03 00 0e 5e 00 c3 57
	Export Refresh Close

Figure 2-75 The SNMP Engine ID

USM Statistical Information

Click [SNMPv3\USM Statistics] from the main menu, a USM Statistics dialog box will popup, which is useful for user viewing the results on USM statistic. See figure 2-76 for reference.

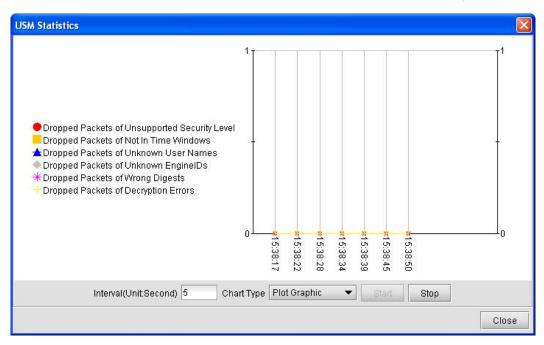


Figure 2-76 The USM Statistics

USM Table

Click [SNMPv3\USM User Table] from the main menu, a USM User Table dialog box will popup, which is useful for user viewing and configuring the information on USM user. Related commands: See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for snmp-server user commands.

```
Note: Add: Input appropriate information in the User Name and User Clone From fields, where the "User Clone From" information refers to the user of "Active" state existing in USM User Table. You can input these information by clicking the [Select] button. If "User Clone From" points to a user whose "Authentication Protocol" setting is configured as "No Authentication", then the add operation finishes successfully, and state of the newly added user is "active"; otherwise the state of this user is configured as "NotReady". To put this user's state in "active", you have to change his/her Authentication Key or alter "Authentication Protocol" to "No Authentication Protocol" for a user, where "Authentication Protocol" can only be changed to "No Authentication". When this modification made for a user with "NotReady" state successes, the user's state will change to "active".
```

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🕑 USM User Table										×
Total Page 1	Page Size (row) 25	▼ Pa	ge Index	1	¢	0			0	
User Engine ID 80 00 22 b6 03 00 0e 5e 00 c3 57 80 00 22 b6 03 00 0e 5e 00 c3 57 80 00 22 b6 03 00 0e 5e 00 c3 57	raisecomnone ra raisecommd5nopriv ra	User Secur aisecomnor aisecommd aisecomsha	ie Snopriv	usmNoA usmHM/	ACMD5	tocol AuthPro	otocol	usmNo usmNo	cy Protocol PrivProtocol PrivProtocol PrivProtocol	Active
	dd User Engine IC User Name User Clone Fro		80 00 22 user raisecom			00 c3 57 Select				
		Save	Close							
	Add	Modify	Delete	Vie	9W					
						Exp	ort	Refr	esh (Close

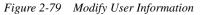


U	SM User Table									×	
	Total Page	1	Page Size (row)	25 🔻	Page Index	1	÷		00		
80.00	User Engine ID I 22 b6 03 00 0e 5e 0	0 c3 57	User Name	User Se raisecom	ecurity Name		ntication Prot uthProtocol	tocol	Privacy Protoco usmNoPrivProtoc		
80.00	22 b6 03 00 0e 5e 0 22 b6 03 00 0e 5e 0	0 c3 57	raisecommd5nopriv	/ raisecom		usmHMA	CMD5AuthPi		usmNoPrivProtoc usmNoPrivProtoc	ol Active	
	22 b6 03 00 0e 5e 0			user	onunopriv				usmNoPrivProtoc		
			Add					X	n -		
Hint								KAN I			X
In order to activ	ate the user, please	change '	"Authentication Proto	col" to "usr	nNoAuthProto	col" or cha	nge"Authent	ication	Key Change"/"Owi	n Authentica	tion Key Change".
				aave	CIUSE						
• 22						1					
			Add	Modify	Delete	Viev	V				
							Ex	port	Refresh	Close	

Figure 2-78 The Prompt message when creating USM user

User Manual

🕑 USM User Table						×
Total Page 1	Page Size (row) 25	 Page Index 	1 🐵	00	00	
User Engine ID 80 00 22 b6 03 00 0e 5e 00 c3 57 80 00 22 b6 03 00 0e 5e 00 c3 57 80 00 22 b6 03 00 0e 5e 00 c3 57 80 00 22 b6 03 00 0e 5e 00 c	user user raisecomnone raisec	r Security Name comnone commd5nopriv	usmHMACMD usmNoAuthPr	otocol	Privacy Protocol usmNoPrivProtocol usmNoPrivProtocol usmNoPrivProtocol usmNoPrivProtocol	Active Active
	User Engine ID User Name	80 00 22	b6 03 00 0e 5e	00 c3 57		
	Authentication Protocol	usmHM/	ACMD5AuthProt	ocol 🔻		
	Old Authentication Key	*******				
	Authentication Key Chang	ge *******				
	Own Authentication Key Cha	ange				
	Sa	ave Close			e e e e e e e e e e e e e e e e e e e	
						Þ
	Add Mod	lify Delete	View			
				Export	Refresh	lose



进 USM User Table									×
Total Page 1	Page Size (row)	:5 🔻 P:	age Index	1 4	ê			0	
User Engine ID	User Name	User Secu	rity Name	Authent	tication Prote	looc	Priva	cy Protocol	User
80 00 22 b6 03 00 0e 5e 00 c3 57	user	user		usmHMAC	MD5AuthPr	otocol		PrivProtocol	Active
80 00 22 b6 03 00 0e 5e 00 c3 57	raisecomnone	raisecomno	ne	usmNoAut	thProtocol		usmNo	PrivProtocol	Active
80 00 22 b6 03 00 0e 5e 00 c <u>3 57</u>	raisecommd5nopriv	raisecommo	5nonriv	usmHMAC	MD5AuthPr	Incoto	usmNo	PrivProtocol	Active
80 00 22 b6 03 00 0e 5e 00 c 🎒	Modify					X	usmNo	PrivProtocol	Active
	ino ani y								
Г	User Engine		00 00 221	-6 02 00 0a	e 5e 00 c3 5'	7			
	Oser Engine		00 00 22 1	30 03 00 08	5 36 00 03 3	<u></u>			
	Hint				<				
	Authe Old A Authent Own Authenneuron	1000	ta successt DK	fully.					
									•
	Add	Modify	Delete	View					
					Ex	port	Refi	resh (Close

Figure 2-80 The prompt message for successful modification

VACM Security To Group Table

Click [SNMPv3\VACM Security To Group Table] from the main menu, a VACM Security To Group Table dialog box will popup, which is useful for user viewing and configuring the information regarding mapping relationship from user to access group. See figure 2-81 for reference.

Related commands:

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

snmp-server group

commands.

VACM Security to Group Table		X
Total Page 1 Page Size	(row) 25 💌 Page Index 1 🏾 🍻	
VACM Security Model	VACM Security Name	VACM Group Name
USM	raisecomnone	initialnone
	raisecommd5nopriv	initial
USM	raisecomshanopriv	initial
	Add Modify Delete View	
		Export Refresh Close

Figure 2-81 VACM Security To Group Table

VACM Access Control Table

Click [SNMPv3\VACM Access Table] from the main menu, a VACM Access Table dialog box will popup, which is useful for user viewing and configuring the information within VACM Access Control Table. See figure 2-82 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for snmp-server access command.

🐠 VACM Access Tab	le								
Total Pag	e 1	Page Size	(row)	25 💌	Page Index 1	4	00		
VACM Group Name initial initialnone	VACM Cor	itext Prefix	VACN USM USM	A Security Mo	odel VACM Sec authNoPriv noAuthNoP	curity Level	VACM Cor exact exact	ntext Match	VACM Read\ internet system
			0.0111		inor an in or		Jona or		0,010111
•									
(Add	Modify	Delete	View]

Figure 2-82 The VACM Access Table

VACM View Tree Set

Click [SNMPv3\VACM View Tree Family] from the main menu, a VACM View Tree Family dialog box will popup, which is useful for user viewing and configuring the information on VACM View Tree. See figure 2-83 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for snmp-server view

State VACM View Tree Family			
Total Page 1	Page Size (row) 25 💌	Page Index 1 🛛 🚸 📖 🌑	8
VACM View Name	VACM Subtree	VACM View Tree Type	VACM Mask
system	1.3.6.1.2.1.1	included	
internet	1.3.6	included	
	Add Modify	Delete View	
		Export	Refresh Close

Figure 2-83 The VACM View Tree Set

SNMP Target Address Table

Click [SNMPv3\SNMP Target Address Table] from the main menu, a SNMP Target Address Table dialog box will popup, which is useful for user viewing and configuring the information on address of SNMP target. See figure 2-84 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for snmp-server host

commands.

SNMP Target Address Tab	le			
Total Page 1	Page Size (row) 25	💌 Page Index 1 🛛 🚸		
SNMP Target Address Name	SNMP Transport Domain	SNMP Transport IP Address	SNMP Transport Port	SNMP Timeout
192168 217	UDP	192.168.2.17	162	1500
192168 2 81	UDP	192.168.2.81	162	1500
•				•
	Add Mc	odify Delete View		
			Export Refre	sh Close

Figure 2-84 The SNMP Target Address Table

SNMP Target Parameters Table

Click [SNMPv3\SNMP Target Parameters Table] from the main menu, a SNMP Target Parameters Table dialog box will popup, which is useful for user viewing and configuring the parameters of SNMP target. See figure 2-85 for reference.

SNMP Target Parameters Ta	ble			
Total Page 1	Page Size (row) 25 💌	Page Index 👖 🛛 🏟	0000	
SNMP Target Parameters Name 192168 2 17 192168 2 81	SNMP Message Processing v2c v2c	Model SNMP Security Model v2cSM v2cSM	SNMP Security Name public public	SNMP Secu noAuthNoPriv noAuthNoPriv
132100 2 01	720	V2COM	μαρικ	noAddinioElly
	Add Modify	Delete View		
	, ad modify		Export Refresh	Close
			LAPOIT IVEITEST	01036

Figure 2-85 The SNMP Target Parameters Table

CPU Utilization

CPU Utilization In One Second

Click [Performance\CPU Utilization\CPU Utilization In One Second] from the main menu, a CPU Utilization In One Second dialog box will popup, which is useful for user viewing the condition of CPU utilization in one second. See figure 2-86 for reference.

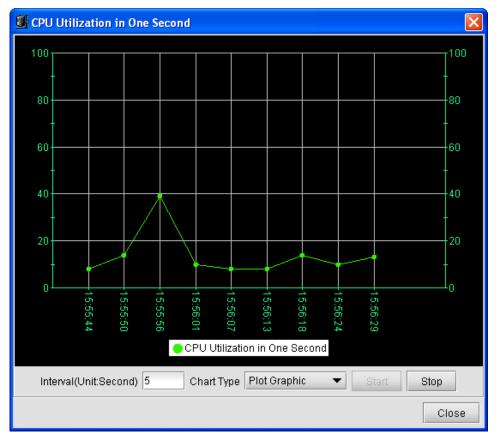


Figure 2-86 CPU Utilization In One Second

CPU Utilization In One Minute

Click [Performance\CPU Utilization\CPU Utilization In One Minute] from the main menu, a CPU Utilization In One Minute dialog box will popup, which is useful for user viewing the utilization condition of CPU in one minute. See figure 2-87 for reference.

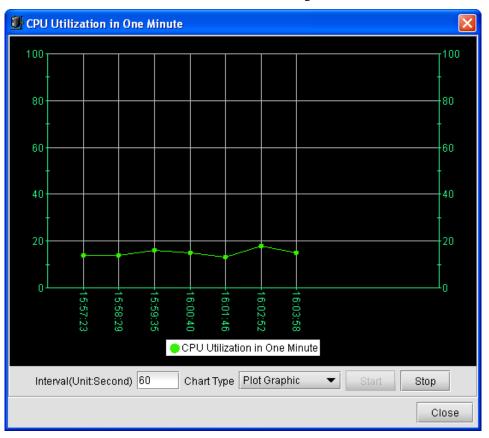


Figure 2-87 CPU Utilization In One Minute

Operation Notification

Click [Command\Operating Notification] from the main menu, to set whether to send notification when save or erase the configuration. See figure 2-88 for reference.

Derating Notification	×
Operating Notification	False 💌
Export	Save Refresh Close

Figure 2-88 The Operating Notification

Rebooting The Device

Click [Command\Reboot] from the main menu, to trigger the command to reboot the Switch. See figure 2-89 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for reboot

commands.

Confirm	1	×
3	Now send "Reboot" ,continue ?	
	Yes <u>N</u> o	

Figure 2-89 The confirm dialog box for rebooting device

Saving Current Configuration

Click [Command\Write] from the main menu, to save current configuration. See figure 2-90 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for write

commands.

Confirm]	×
3	Now send "Write" ,continue ?	
	Yes <u>N</u> o	

Figure 2-90 The Confirm dialog box for saving configuration

Deleting Current Configuration

Click [Command\Erase] from the main menu, to delete current configuration. See figure 2-91 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for

erase

Confirm	1	×
3	Now send "Erase" ,continue ?	
	Yes <u>N</u> o	

Figure 2-91 The Confirm dialog box for deleting configuration

Click [Command\Schedule List] from the main menu, a Schedule List dialog box will popup. From it, you can view the information regarding Schedule list. See figure 2-92 and 2-93 for reference.

Related commands:

See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for show schedule-list

🕑 Schedule List	×
Schedule List Table Command Table	
Total Page 0 💿 Page Size (row) 25 🔻 Page Index 1 🛛 👳 🚳 🚳 🖉	
Schedule List Index Time Flag Start Time Stop Time Period Last Execute Time Next Execu	te Time
	•
View	
Export Refresh	Close

Figure 2-92 The Schedule List

Schedule List							X
Schedule List Table	Command Table						
Total Page 0	Page Size (row)	25 💌	Page Ind	ex 1	- 🍫 - 📧		
Schedule List Index	Command No.	Comman	id String	Mode	Execute Cour	it 🔋 Last Exe	cute Time
			View				
					Export	Refresh	Close

Figure 2-93 The Schedule List

Online Upgrade/Backup

Click [Command\Online Upgrade/Backup] from the main menu, an Online Upgrade/ Backup Table dialog box will popup. From it, you can upgrade or backup the documents of "System_boot" and "Startup_config". See figure 2-94 for reference. Related commands: See chapter 3 of "RAISECOM Series Switch Command Notebook Version 3.0" for download upload commands.

NOTE: After you have upgraded the "*System_boot*" and "*Startup_config*" documents, reboot the Switch, then the configuration will take effective.

🕑 Online Upg	rade/Backup	Table						X
Tota	al Page 0	Page Size	(row) 25 💌	Page Index 1	-	•		
Protocol O	peration Type	File Type	Server Address	File Name	User Name	Password	Send No	tification S
•								•
				Add				
						Export	Refresh	Close

Figure 2-94 The Online Upgrade/Backup Table

Alarm And Event Management

This chapter introduces how to view and maintain the current and historical alarm, and consists of the following sections:

- ♦ View Current Alarm
- ♦ View Historical Alarm

Viewing Current Alarm

Open the Current Alarms Management window

Double click the NView Platform Function Tree, and select [Current Alarms Management].

(P e	Show All	Start IP	End IP		Level	•	Filtrate	Reset
urren	t Alarm List							
	Level	Alarm N	Jame	Status	IP Address	Host Name	Location	Up Cou
1	Critical	Link Down	(🔘 Newcome	192.168.2.188	ISCOM2826	Port:11	1
2	Critical	Link Down		🗿 Newcome	192.168.2.32	ISCOM2826	Port:23	1
3	Warning	Link Up		🗿 Newcome	192.168.2.32	ISCOM2826	Port:24	1
4	Warning	Topology Change		🗿 Newcome	192.168.2.32	ISCOM2826		1
5	Warning	RTDP Topology Ch	ange (🗿 Newcome	192.168.2.32	ISCOM2826		2
	 Excession 			-				

Figure 3-1 The Current Alarms window

Acknowledge alarm record(s)

Select a record with state of "Newcome" presenting in the "Status" column, and select [Acknowledge] from the right click menu.

Delete current alarm record(s)

Select one or more records in the Alarm List, and select [Delete] from the right click menu.

Export current alarm record(s)

Select [Export] from the right click menu to export record(s) into a Text or Excel file.

Filter current alarms

Input filtration conditions - IP address range and severity level, then click [Filter].

NOTE: The IP Address Range field supports asterisk wildcard "*". For example, "192.168.1.*", the address range of asterisk wildcard here can be set as "Start IP Address".

View Alarm Details

Click a record in the Alarm List, and select [Property] from the right click menu. A Property dialog box will popup as the figure 5-2 shows.

Properties					1	×
Basic Info	Ope	ration Info PDU Conte	ent			
CAlarm Info	mation					
Alarm N	lame	Link Down		Up Count	1	
Level		Critical	Status	Newcome		
First Up	Time	2006-01-13 13:39:11	Latest UpTime	2006-01-131	13:39:11	
Event Sou	irce					
IP Addre	SS	192.168.2.188	Device Type	ISCOM2826		
Host Na	me	ISCOM2826				
Location	I	Port:11				
Additional	Info					
					ОК	

Figure 3-2 The Property dialog box

Viewing Historical Alarms

> Open the History Alarms Management window

Double click the Nview Platform function tree, and select [History Alarms Management].

Fotal C	ount7	Page Size 25 💌 Page (Count1	Page Inc	ex1		🚳 🚸 🚳	
	Level	Alarm Name	S	tatus	IP Address	Host Name	Location	Up Cour
1	Warning	RTDP Topology Change	🚽 Ackno	owledged	192.168.2.32	ISCOM2826		4
2	Warning	Topology Change	🚽 Ackno	owledged	192.168.2.32	ISCOM2826		2
3	Critical	Link Down	🖾 Reco	vered	192.168.2.32	ISCOM2826	Port:15	1
4	Warning	Link Up	🚽 Ackno	owledged	192.168.2.32	ISCOM2826	Port:23	1
5	Critical	Link Down	🚽 Ackno	owledged	192.168.2.32	ISCOM2826	Port:21	1
6	Warning	Online Upgrade/Backup	🚽 Ackno	owledged	192.168.2.188	ISCOM2826		1
7	Warning	Link Up	🖌 Ackno	wiedged	192.168.2.188	ISCOM2826	Port:11	1

Figure 3-3 The History Alarms window

Delete history alarm record(s)

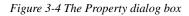
Select one or more records in Alarm List, and select [Delete] from the right click menu.

Export history alarm record(s)

Select [Export] from the right click menu to export the record(s) into a Text or Excel file.

View alarm details

Properties 🔀								
	Basic Info Operation Info PDU Content							
	Alarm Infomation	Jarm Infomation						
	Alarm Name	Online Upgrade/Backup		Up Count 1				
	Level	Warning	Status	Acknowledged				
	First UpTime	2006-01-13 13:38:36	Latest UpTime	2006-01-13 13:38:36				
	Event Source							
	IP Address	192.168.2.188	Device Type	ISCOM2826				
	Host Name	ISCOM2826						
	Location							
	-Additional Info							
				01	<			



Query history alarms

Select [**Query**] from the right click menu, the Query Condition panel will appear. It enables query on history alarms by condition(s) like device node, time range, alarm type and alarm level.

🗌 Query All	Total (count Page	Size 25 Page Count Pa	age Index 🕜 🌑	IP Addre
Query By Status	1	Warning	RTDP Topology Change	Acknowledged	192.168.2.3
Query By Status	2	Warning	Topology Change	Acknowledged	192.168.2.3
O Recovered O Acknowledged	3	Critical	Link Down	Recovered	192.168.2.
	4	Warning	Link Up	🚽 Acknowledged	192.168.2.3
Query By Device	5	Critical	Link Down	√ Acknowledged	192.168.2.
O All Devices O Choose Devices	6	Warning	Online Upgrade/Backup	√ Acknowledged	192.168.2.
	7	Warning	Link Up	√ Acknowledged	192.168.2.
Unknown	Total (1 2 3 4 5 6 7				
Query By Trap					
O All Traps O Choose Traps					
Query By Time					
Start Time	1000				
otait rime					

Figure 3-5 The History Alarms Management dialog box

Appendix A A

Alarm Type

No.	Alarm	
1	Cold Start	
2	Warm Start	
3	Link Up	
4	Link Down	
5	Authentication Failure	
6	Config Operation	
7	Online Upgrade/Backup	
8	RTDP Topology Change	
9	STP New Root	
10	Topology Change	
11	RMON Falling	
12	RMON Rising	

Appendix B Expansion Card Type

Illustration	Model	Description	Hardware Version
	SC200-FE-S1	Single-Optical Interface 100M Expansion Module	Rev.B
	SC200-GE-X	Single-Optical Interface 1000M Expansion Module	Rev.B
	SC200-GE-T	Single-Electronic Interface 1000M Expansion Module	Rev.B

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