



**RG-S1924GT**

( Ä â

©2007

RGNOS®      ®  ®  
 ®       ®  
à

RG-S1924GT

20 1000BASE-T

4

Combo

48Gigabits

## 1.1 (M û ` ì&•

Web

IP

1 PC

2 PC  
PC

3 IP 192.168.2.10  
255.255.255.0 PC IP  
192.168.2.xx 4

4 PC IP web  
<http://192.168.2.10> PC

5 PC 3  
"admin" Login

6 SYSTEM LAN LAN Settings  
IP IP  
APPLY

SYSTEM-Password  
APPLY

## 1.2 S\*ü Web + M6

HTTP web

Web

Web

Internet Explorer 5.5

Netscape Navigator 6.2

Web

1.

IP

192.168.2.10/255.255.255.0/0.0.0.0

2.

web

admin

web

## 1.3 Web ##?œ Ð7p

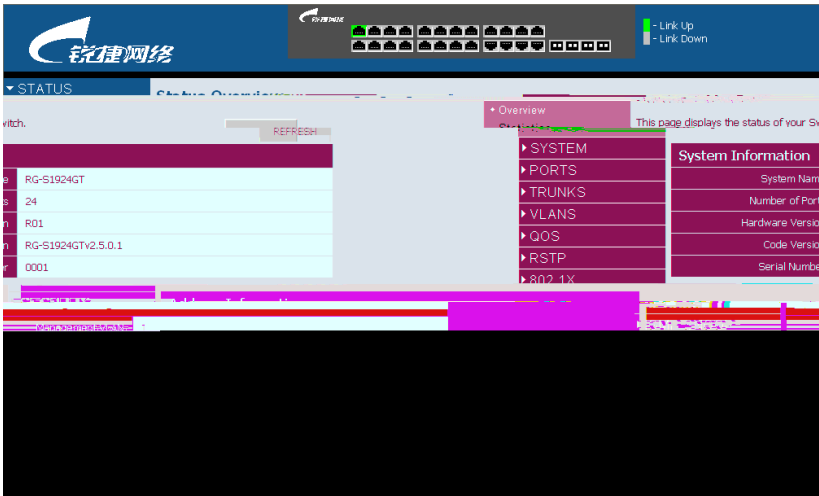
Web

" admin"

5

### 1.3.1 NI

Web



1

### 1.3.2 G!5BEÝNM

Apply

WEB

#### 1 WEB

Apply	
Cancel	Apply
Help	Web

1. " " /Internet / / Internet  
/ " " " "

2. Internet Explorer5.0  
refresh

### 1.3.3 M6 S /

Web

1.3.4 9° )

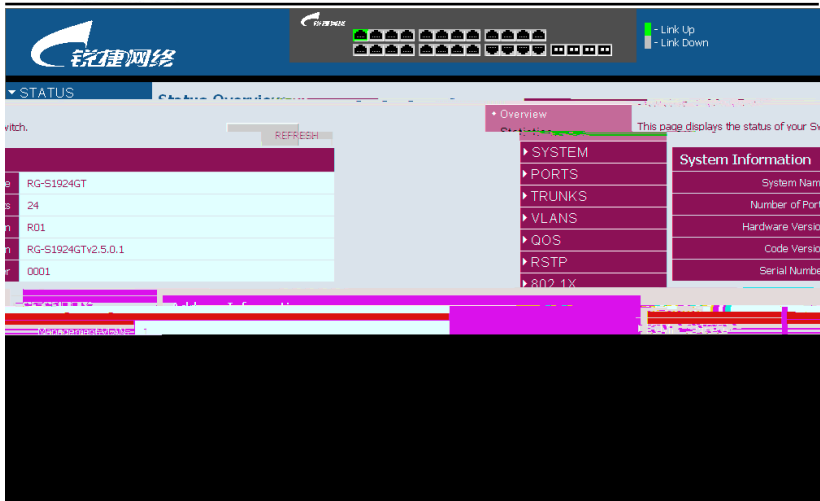
STATUS	
Overview	VLAN
Statistics	RMON
SYSTEM	
Name	
LAN Settings	LAN IP IP
Password	
Tools	Restore to Factory Defaults Upgrade Firmware Restart
Static MAC	MAC
Counter config	

PORTS	
Settings	
Rate Limiting	
Port Mirroring	
Cable Diagnostic	
TRUNKS	
Membership	trunk
Settings	
Rate Limiting	
LACP Setup	
LACP Status	LACP
VLANS	
VLAN Membership	VLAN
VLAN Port Config	VLAN
QoS	
Settings	
RSTP	
RSTP Setting	RSTP
RSTP Status	RSTP
802.1x	
802.1x Setting	802.1x

802.1x Status	802.1x
SECURITY	
IP Filter	IP
Port Security	
ACL	
IGMP SNOOP	
Setting	IGMP
Status	IGMP
SNMP	
Setting	SNMP
LOGOUT	

## 1.4 WEB G!5B

### 1.4.1 (Š Ő EÄ



3

System Name            ---

Number of Ports        ---

Hardware Version       ---

Code Version            ---

Serial Number          ---

Management VLAN --- VLAN

VLAN1

VLAN	VLAN	IP
------	------	----

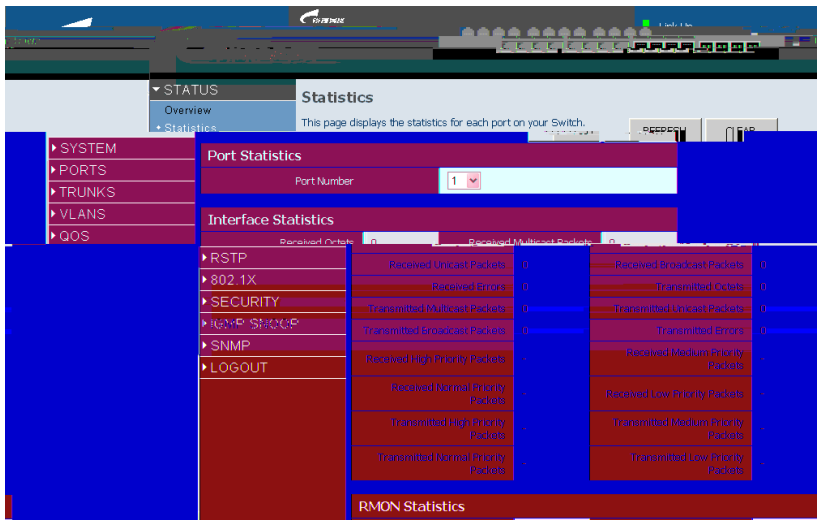


1.4.2 / 0Ã ·4³Au

" CLEAR"

60

" REFRESH"



4

3

Interface Statistics	



Received Octets	
Received Unicast Packets	
Received Errors	

Transmitted Multicast Packets



---

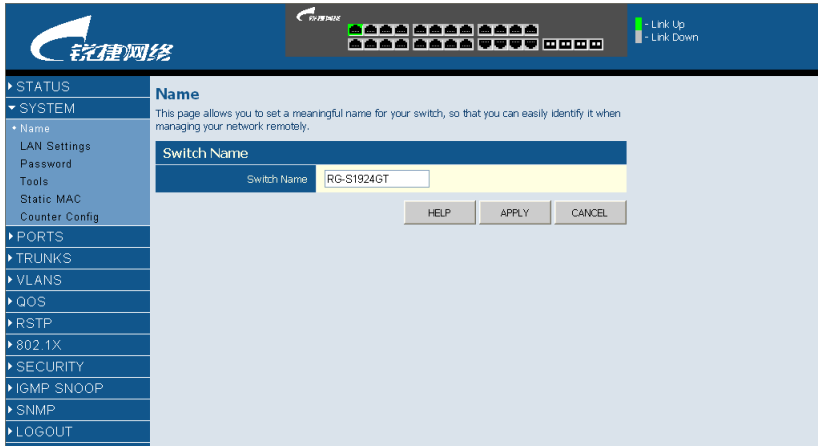
## Multicast Frames

## 1.5 2i4<sup>3</sup>

### 1.5.1 / 2i4<sup>3</sup> á/Ä

Switch Name —

Web - System Name



5

### 1.5.2 LAN A'5B

255.255.255.0

DHCP Enable –

DHCP

IP Address –

IP

IP

0 255

Subnet Mask –

255.255.255.0

Default Gateway –

IP

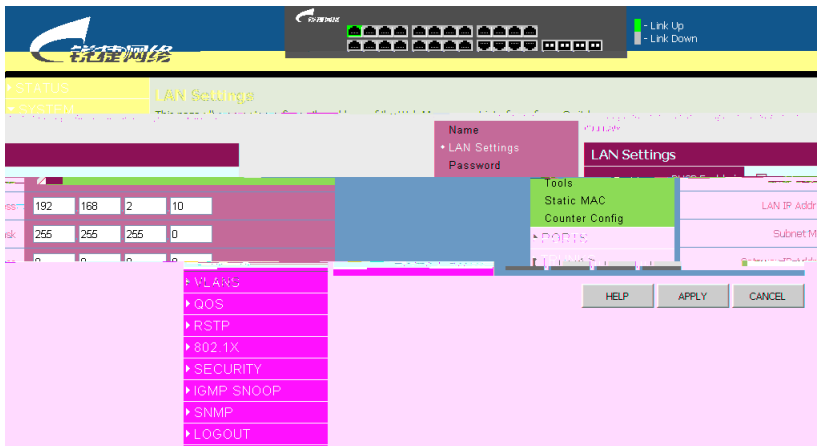
IP

Web –

System, LAN Settings,

IP

APPLY



6 LAN



## 1.5.4 1 K

APPLY



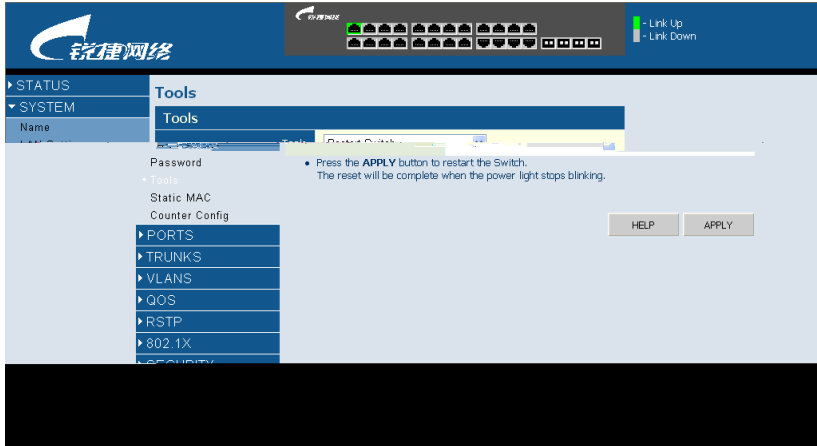
10

▷ ô / ßEQG!5B

Web – Ê SYSTEM, Tools, Upload/Download Configuration.

"Upload" "Download"

Web – System, Tools, Restart Switch APPLY





---

Modify

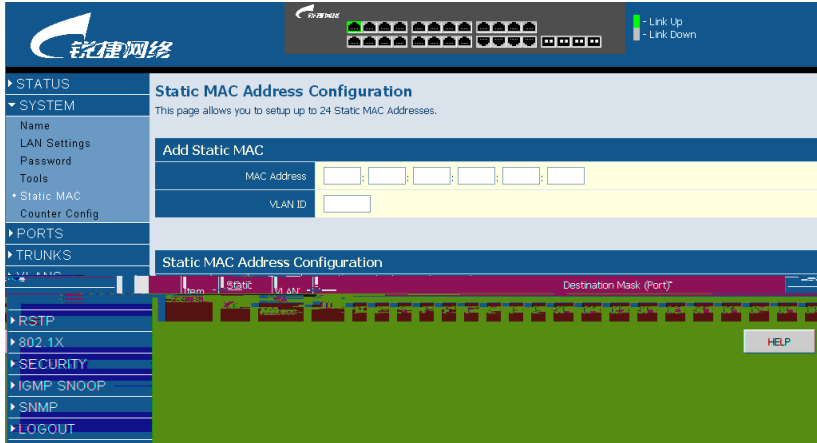
Delete

MAC

Modify

Destination Mask

## Web – System, Static MAC.



### 13 MAC

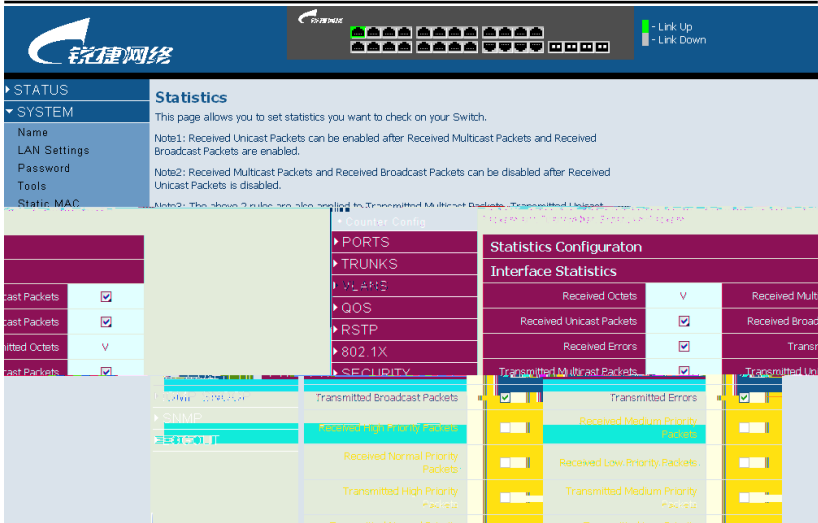
#### 1.5.6 4<sup>3</sup>AuG!5B

5 5 1

1

2

3



14

## 1.6 0Ã .

### 1.6.1 0Ã -A'5B

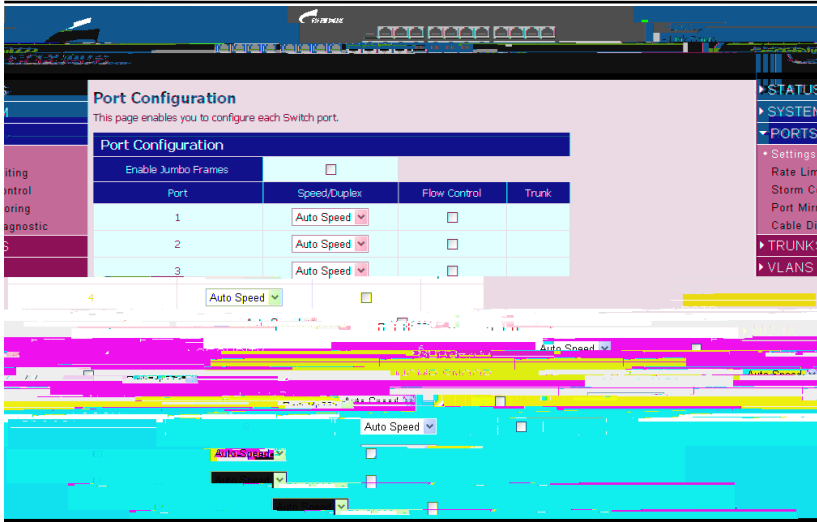
Speed/Duplex –

Flow Control –

Trunk –

trunk

Web – PORTS, Settings



15

## 1.6.2 G15B \$E6 s6N

/

trunk

Rate Unit –

Port –

Port Speed –

Enable Input Rate Limiting –

Input Limit –

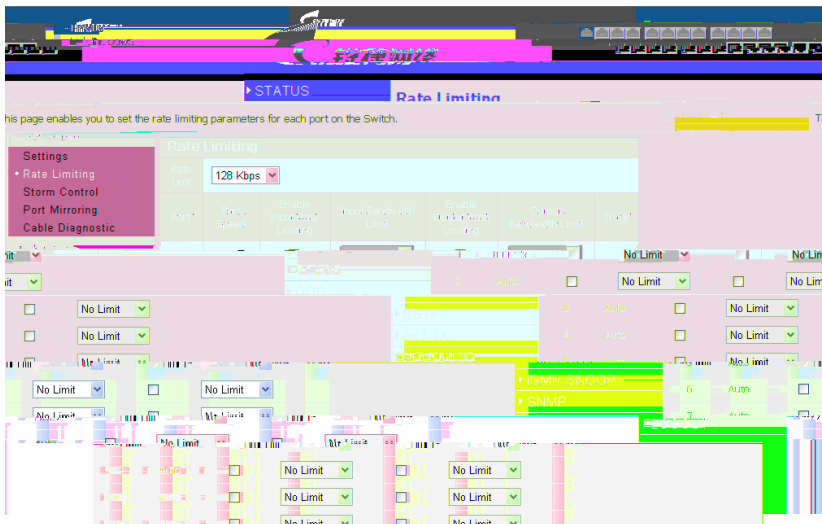
Enable Output Rate Limiting –

Output Limit –

Trunk –

Trunk

Web - PORTS, Rate Limiting



### 1.6.3 0Ã ·L Nç ^ {

threshold

threshold

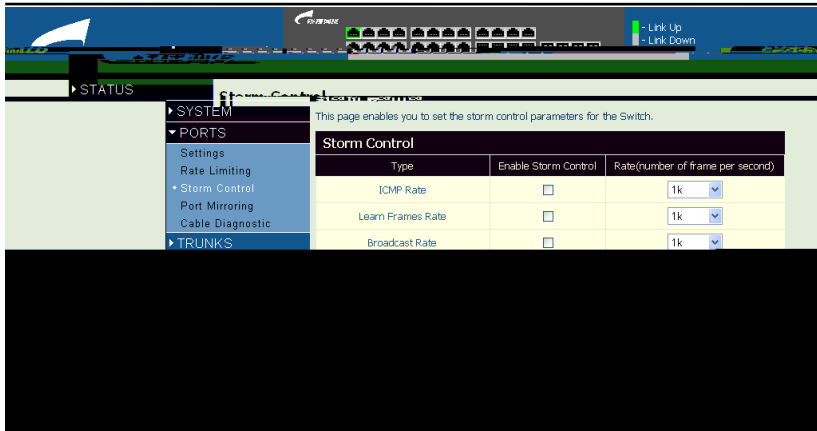
Type –

ICMP

Enable Broadcast Storm Control –

Rate(number of frame per second) –

**Web** – PORTS, Broadcast Control

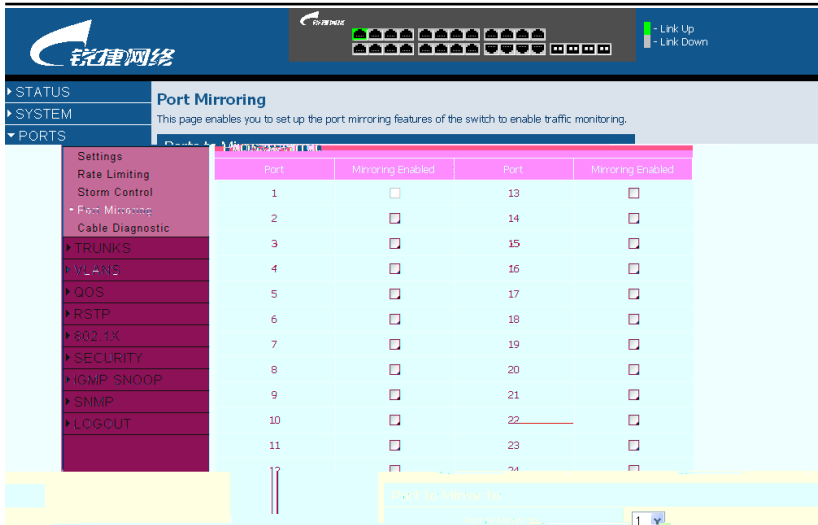


17

## 1.6.4 0Ã·K0 £

Port to Mirror to – " " " "

**Web –** PORTS, Port Mirroring



18

## 1.6.5 4“4ÚÁž •

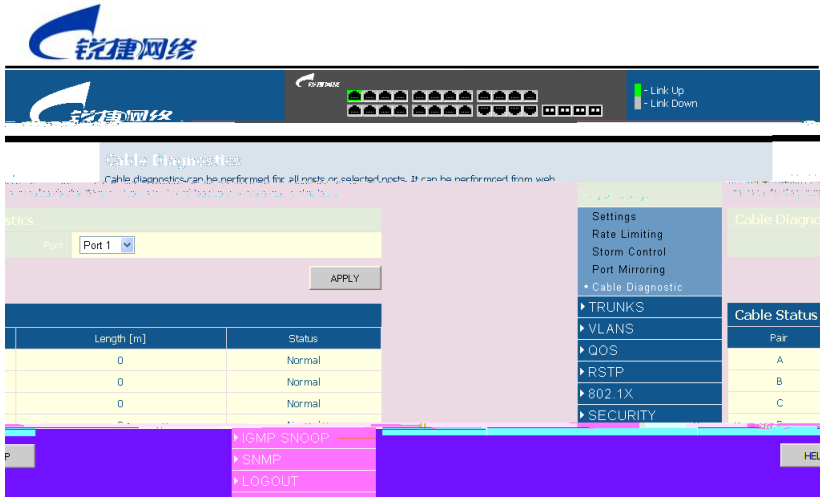
web

**Cable Diagnostics –**

**Cable Status –**

5

**Web –** PORTS, Port Mirroring.



19

## 1.7 TRUNKS

### 1.7.1 Trunk ä ,

8 trunks 8  
9

trunk

**Port –**

**Not a Trunk Member –**

trunk

**Trunk T1-T8 –**

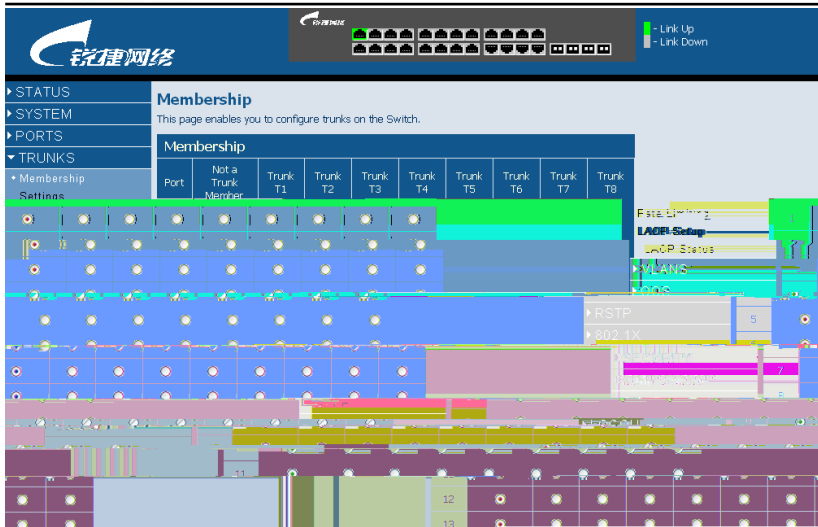
8 trunk

trunk

**Web – TRUNKS, Membership**

Trunk

29



## 20 Trunk

### 1.7.2 Trunk A'5B

Trunk – Trunk ID

Speed/Duplex – trunk

trunk

## Trunk Configuration

This page enables you to configure each Trunk configured on the Switch.



### 21 Trunk

#### 1.7.3 Trunk L\$Eó

trunk

Rate Unit –

Trunk – Trunk ID

Trunk Speed – trunk

Enable Input Rate Limiting – Trunk

Input Limit –

Enable Output Rate Limiting – Trunk

Output Limit –

Ports – Trunk

**Web** – TRUNKS, Rate Limiting



## Rate Limiting

This page enables you to set the rate limiting parameters for each Trunk configured on the Switch.

Rate Limiting						
Rate Unit	128 Kbps					
Trunk	Trunk Speed	Enable Input Rate Limiting	Input Limit (Kbps)	Enable Output Rate Limiting	Output Limit (Kbps)	Ports
T1	Auto	<input checked="" type="checkbox"/>	No Limit	<input checked="" type="checkbox"/>	No Limit	23,24

HELP APPLY CANCEL

### 22 Trunk

#### 1.7.4 LACP A'5B

LACP

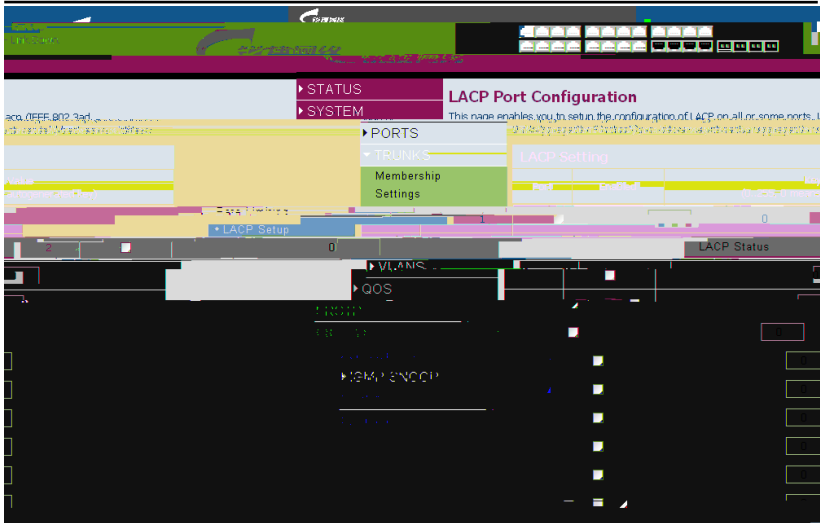
LACP IEEE 802.3ad Link Aggregation Protocol

**Port** –

**Enabled** – LACP

**Key Value** – Key

**Web** – TRUNKS, Settings.



## 23 LACP

### 1.7.5 LACP (Š Ő

LACP

#### LACP Aggregation

LACP Aggregation

LACP Normal  
LACP

LACP LACP

- Partner MAC Address – MAC
- Local Ports Aggregated – LACP
- Seconds Since Last Change – LACP

## LACP Port Status

LACP

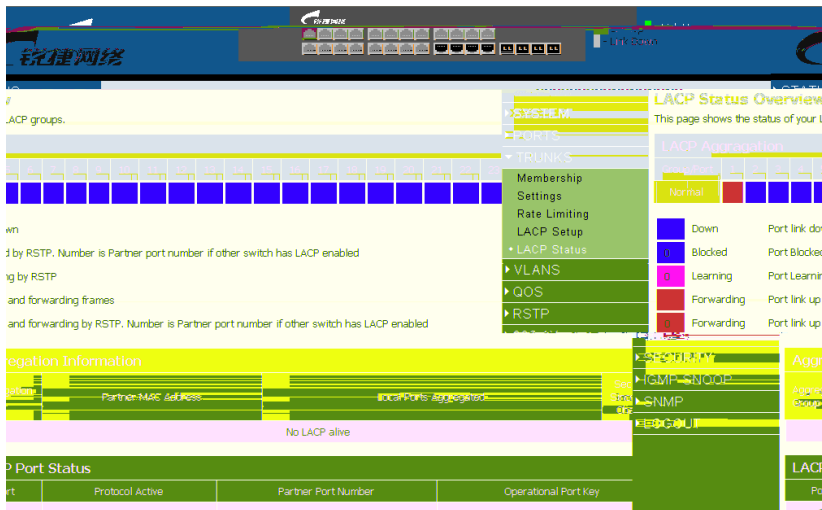
Port – ID.

Port Active – LACP

Partner Port Number – ID

Operational Port Key – LACP Key

Web – TRUNKS, LACP Status.



The screenshot shows the 'LACP Status Overview' page in the Ruijie Network Management System. The page includes a navigation menu on the right with options like SYSTEM, PORTS, TRUNKS, Membership Settings, Rate Limiting, LACP Setup, LACP Status, VLANS, QOS, and RSTP. The main content area shows a table of LACP groups and a detailed view of a specific group. The detailed view includes a table for 'LACP Port Status' with columns for Port, Protocol Active, Partner Port Number, and Operational Port Key.

Port	Protocol Active	Partner Port Number	Operational Port Key
No LACP alive			

24 LACP

34

---

## 1.8 VLAN A'5B

VLAN VLAN PVID  
VLAN VLAN

### 1.8.1 VLAN ä ,4~

VLAN VLAN

VLAN VLAN  
VLAN 1

VLAN 1

port vlan id(PVID) 1

VLAN TAG,UNTAG

PC

3

VLAN ID(VLAN

Membership),PVID,Packet Type

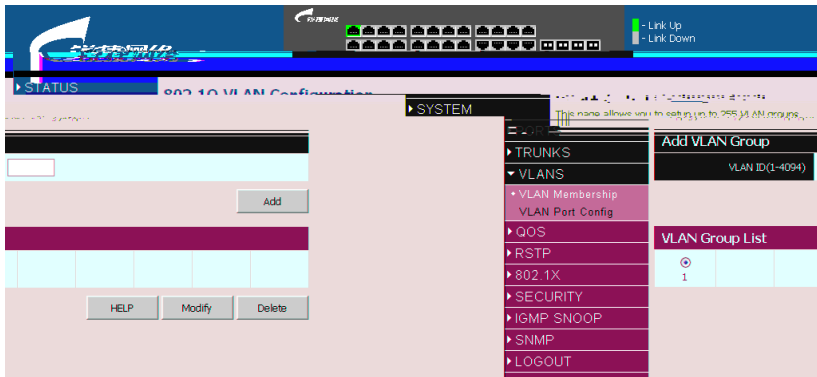
Add VLAN Group – VLAN

VLAN ID – VLAN

VLAN Group List – VLAN

**Web** – VLANS, VLAN Membership Add VLAN Group

VLAN ID VLAN Add

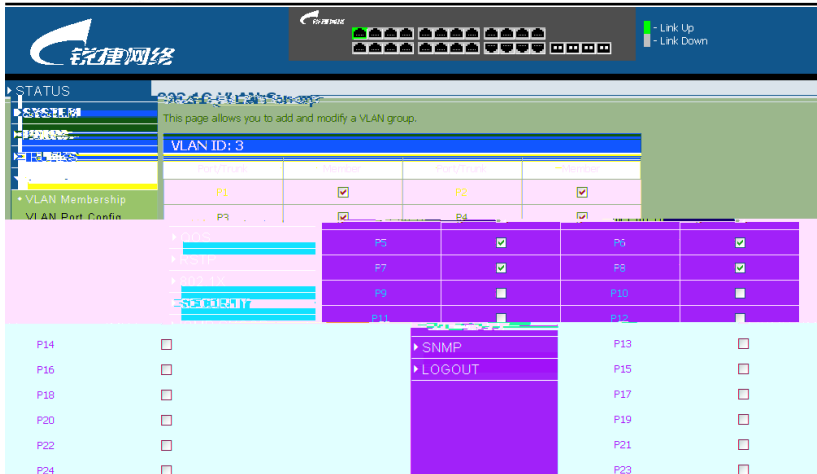


### 25 VLAN

802.1Q VLAN Group VLAN

APPLY. VLAN Group List VLAN,

Modify



## 26 VLAN

### 1.8.2 VLAN 0Ã ·G15B

#### VLAN

Port/trunk – trunk ID

VLAN Awareness – VLAN aware VLAN

TAG, VLAN TAG PVID VLAN unaware

VLAN TAG

QinQ VLAN unaware trunk

VLAN aware

QinQ – QinQ 1526bytes

tag

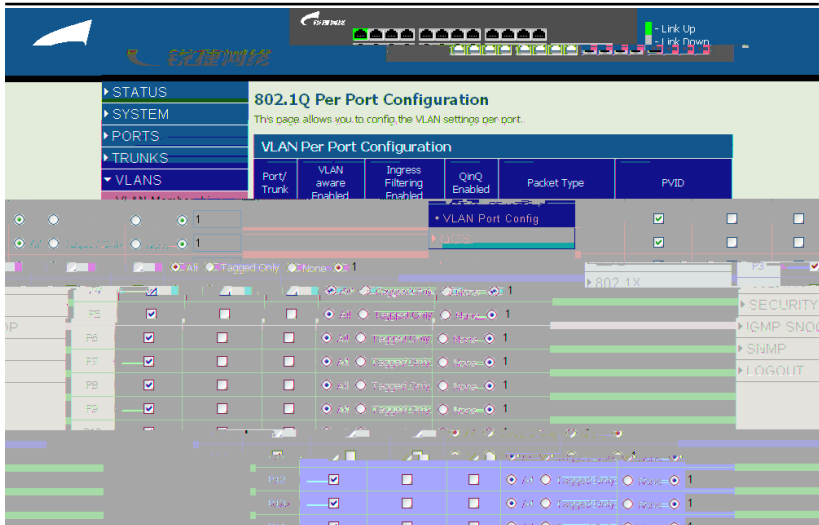
QinQ

---

QinQ

VLAN

	WAN	QinQ	
Packet Type –		ALL	tagged
untagged		VLAN	
Tagged	tagged		VLAN
		ALL	untagged
	PVID	TAG	All
Tagged			



**27 VLAN**

## 1.9 QoS A'5B

### 1.9.1 QoS A'5B

QoS

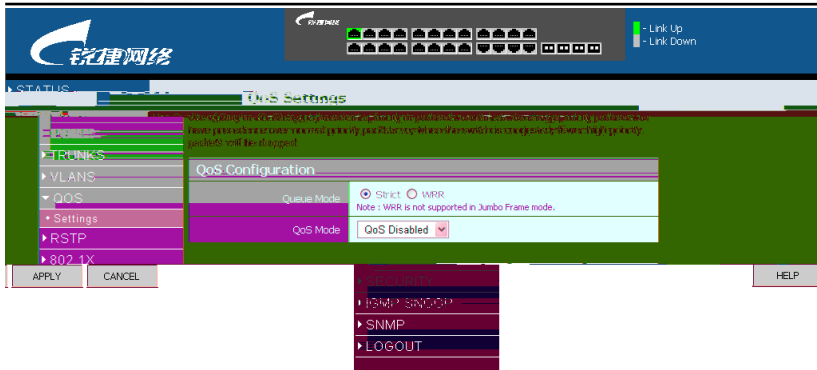
QoS

QoS

IP

802.1p tag





## 28 QoS

### 1.10 RSTP

#### RSTP

##### 1.10.1 RSTP A'5B

#### System Priority –

		MAC	
0-61440	4096		16

#### Hello Time –

1-10	2
------	---

#### BPDU

#### Max Age –

**Forward Delay** –

4-30 15

**Force Version** –

RSTP Normal –

RSTP

Compatible – STP

## 5.6 STP Port Configuration

**Port** – ID

trunk

**Enabled** –

/

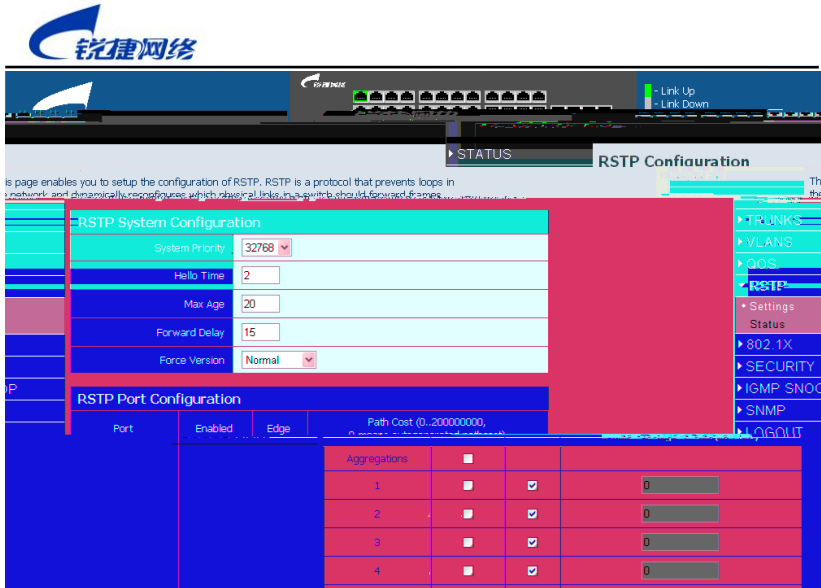
RSTP

**Edge** –

STP

**Path Cost** –

STP



## 29 RSTP

### 1.10.2 RSTP (Š Ő

RSTP

Hello Time

**P2p Port** – Yes

STP

**Protocol** –

RSTP STP.

**Port State** –

## System setting

**Mode** – 802.1x  
**RADIUS IP** – RADIUS IP  
**RADIUS UDP Port** – RADIUS UDP  
**RADIUS Secret** – RADIUS  
**Reauthentication Enabled** –

**Reauthentication Period** –

**EAP timeout** –

## Port Setting

**Port** – ID

**Admin State** –

**Auto** – 802.1x  
802.1x

**Force-Authorized** –  
802.1x

**Force-Unauthorized** –  
802.1x

**Port State** –

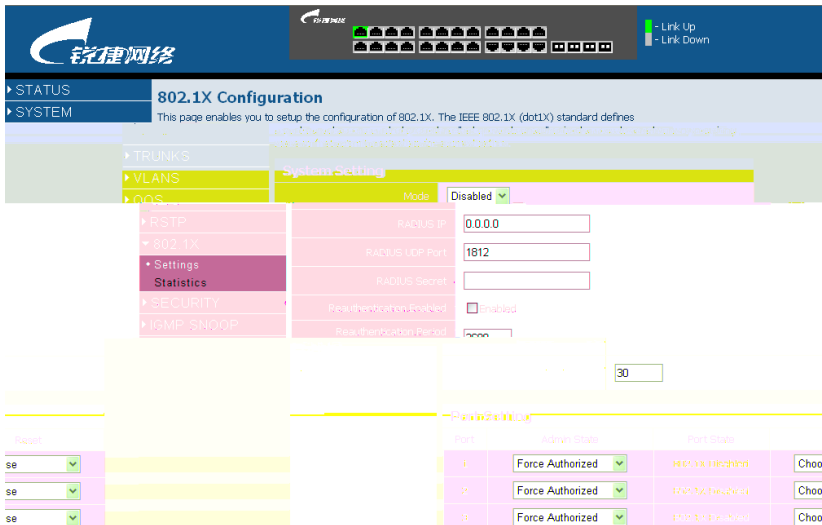
**Reset** –

**Re-Authenticate** –

IEEE802.1x

" "

Web – 802.1X Settings.



The screenshot shows the '802.1X Configuration' page in the Ruijie Network management interface. The page title is '802.1X Configuration' and it includes a sub-section for 'System Setting'. The 'Mode' is set to 'Disabled'. The 'RADIUS IP' is '0.0.0.0', 'RADIUS UDP Port' is '1812', and 'RADIUS Secret' is empty. There are checkboxes for 'Reauthentication enabled' (checked) and 'Force Reauthentication Period' (unchecked). A '30' is entered in a field. Below the settings is a table with columns for 'Port', 'Admin State', and 'Port State'. The table contains three rows, all with 'Force Authorized' in the Admin State column and 'Link Up' in the Port State column. A 'Choo' button is visible at the end of each row.

31 802.1x

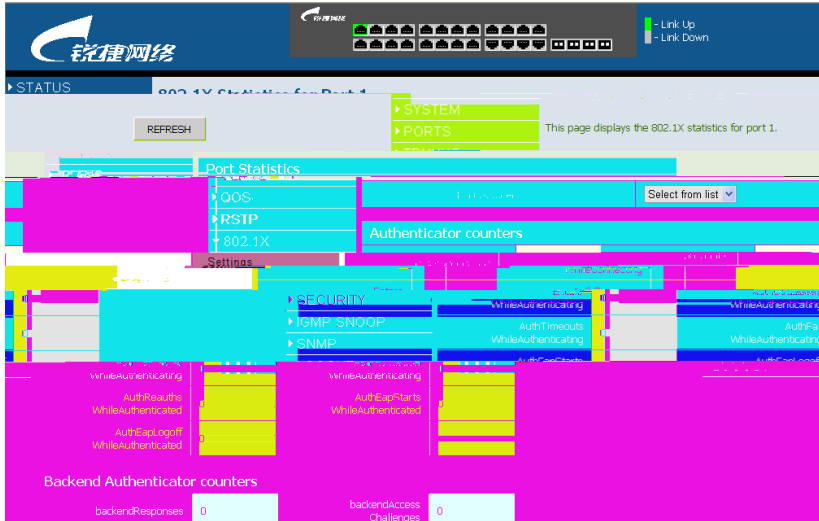
1.11.2 802.1x

Authenticator counters -

Backend authenticator counters -

Dot1x MIB counters - 802.1x MID

Web – 802.1X Statistics.



32 802.1x

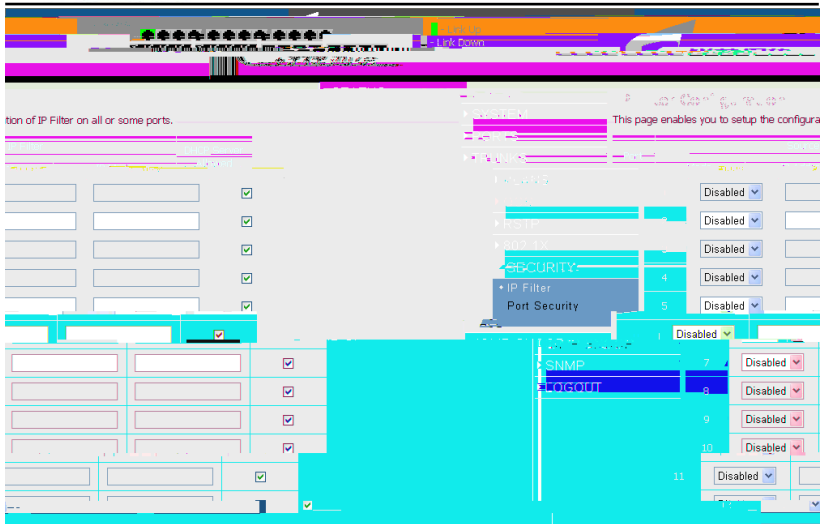
Port –

Source IP Filter –      IP                      IP

–

IP

–



### 33 IP

1.12.2 0Ã · ] <

MAC

MAC

MAC

MAC

MAC

MAC

Port –

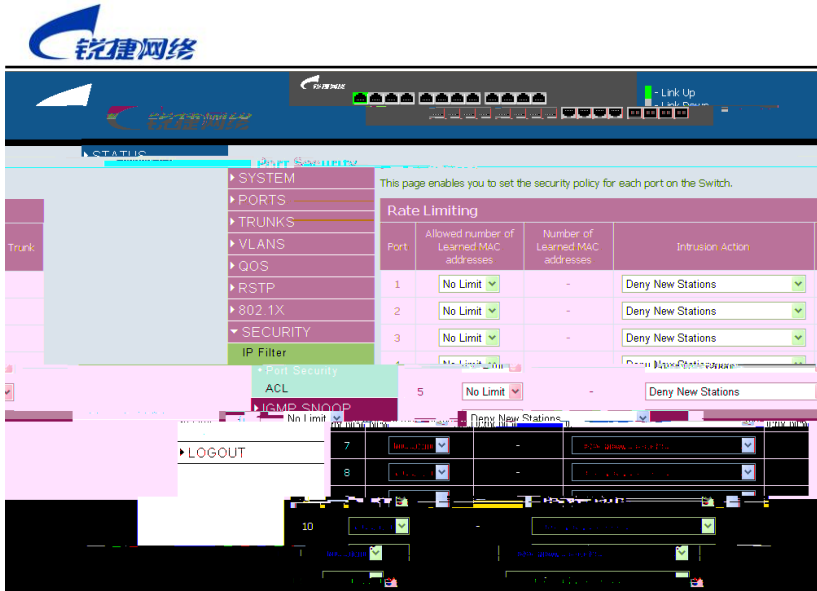
Allowed number of Learned MAC addresses –

MAC

No Limit – MAC

8/7/6/5/4/3/2/1 – MAC

0 – MAC



34

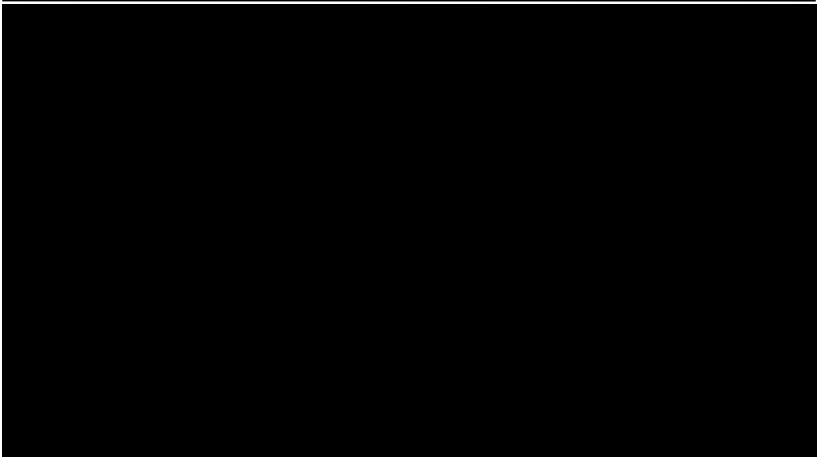
### 1.12.3 ACL

8 IP IP WEB SNMP

IP

IP

Web – Security, ACL.



## 35 ACL

### 1.13 IGMP z

IGMP Snoop                      IGMP

#### 1.13.1 IGMP z G!5B

*IGMP Snooping Configuration*

**IGMP Enabled –**

**Router Ports –                      IGMP**

**Unregistered IPMC Flooding enabled –**

IP

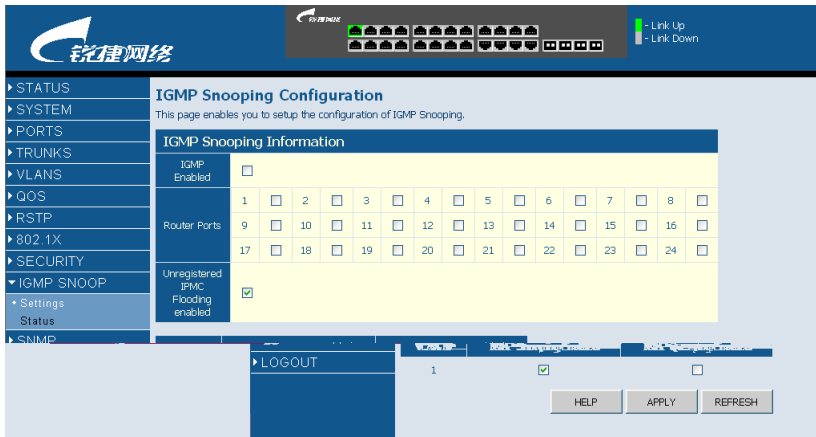
## IGMP Snooping VLAN Configuration

**VLAN ID - VLAN ID**

**IGMP Snooping Enabled –**

**IGMP Querying Enabled –**

**Web – IGMP Snoop, Settings.**



**IGMP Snooping Configuration**  
This page enables you to setup the configuration of IGMP Snooping.

**IGMP Snooping Information**

IGMP Enabled	<input type="checkbox"/>																							
Router Ports	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Unregistered P/MC Flooding enabled	<input checked="" type="checkbox"/>																							

Buttons: LOGOUT, HELP, APPLY, REFRESH

### 36 IGMP Snooping

## 1.13.2 IGMP (Š Ő

IGMP

**VLAN ID - VLAN ID**

**Querier – Querying**

**Queries transmitted –**

**Queries received –**

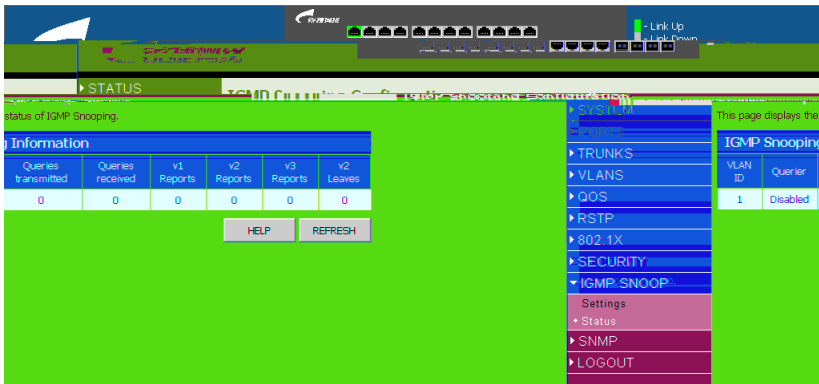
**v1 Reports – v1**

**v2 Reports - v2**

**v3 Reports - v3**

**v3 Leave – v3**

**Web – IGMP Snoop Status.**



**37 IGMP**

## 1.14 SNMP

**SNMP Trap Destination** – trap IP trap  
SNMP trap

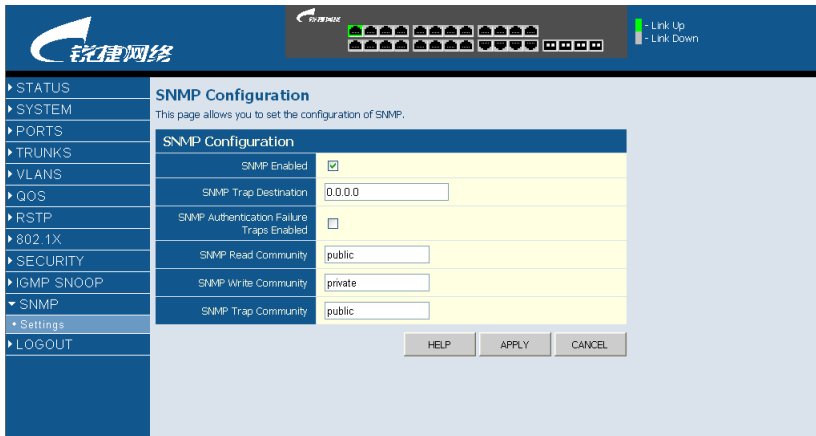
destination trap IP

**SNMP Read Community** – SNMP  
MIB

**SNMP Write Community** –  
MIB

**SNMP Trap Community** –

**Web** – IGMP Snoop Status.



The screenshot shows the Ruijie Network management interface. On the left is a navigation menu with options: STATUS, SYSTEM, PORTS, TRUNKS, VLANS, QOS, RSTP, 802.1X, SECURITY, IGMP\_SNOOP, SNMP (selected), Settings, and LOGOUT. The main content area is titled "SNMP Configuration" and includes a sub-header "SNMP Configuration". Below this, there are several configuration rows:

SNMP Enabled	<input checked="" type="checkbox"/>
SNMP Trap Destination	0.0.0.0
SNMP Authentication Failure Traps Enabled	<input type="checkbox"/>
SNMP Read Community	public
SNMP Write Community	private
SNMP Trap Community	public

At the bottom of the configuration area are three buttons: HELP, APPLY, and CANCEL. The top of the interface features the Ruijie logo, a network status bar with port indicators, and a "Link Up/Link Down" indicator.

## 38 SNMP

## 1.15 LOGOUT

## 1. +)(Š

LED

## 2. +)(Š

link LED

5 10/100 Mbps  
5 5e 1000 Mbps  
100 328

### 3. -A,, š-Ō

1.

2.

3.

1 2.

4.

5.

40

1

2

" admin"

192.168.2.10

