RG-S1924GT

(Ä â

RGNOS® ®  ®

Red-Giant ® Red-Giant 锐捷 ®

ĉ

RG-S1924GT

20 1000BASE-T 4

Combo

48Gigabits

1.1 (M û ` ì&•

Web

IP

1 PC

2 PC
PC
LED

3 IP 192.168.2.10
255.255.255.0 PC IP
192.168.2.xx 4
IP

4 PC IP web
http://192.168.2.10 PC

PC 3

5 ”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

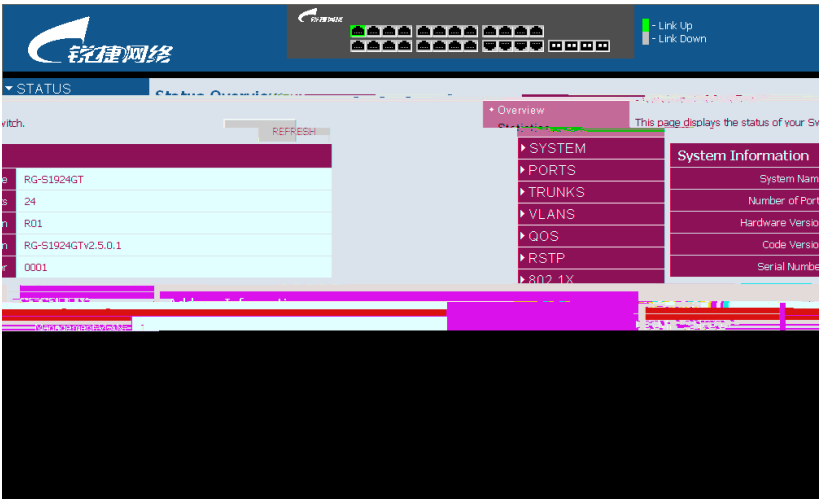
1.3 Web ##?œ ⊲Ð7þ

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 Explorer 5.x
“ ”/Internet / / Internet / “ ” “ ”

2. Internet Explorer5.0
refresh

1.3.3 M6 S /

Web م

2

1.3.4 9°)

2

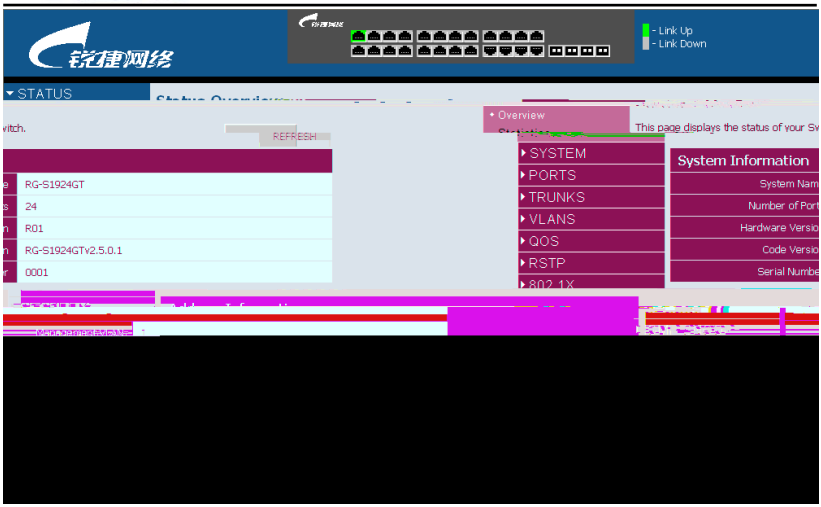
STATUS	
Overview	VLAN
Statistics	RMON
SYSTEM	
Name	
LAN Settings	LAN IP IP
Password	
Tools	Restore to Factory Defaults Upgrade Firmware Restart
Static MAC	MAC
Counter config	

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 Õ EÄ



3

System Name ——

Number of Ports ——

Hardware Version ——

Code Version ——

Serial Number ——

Management VLAN —— VLAN

VLAN1

VLAN VLAN IP

IP Address —— VLAN IP

IP IP 4

0 255

Subnet Mask——

255.255.255.0

Gateway IP Address—— 0.0.0.0

MAC Address——

Type ——

Link Status——

Speed/ Duplex Status —— Auto

fixed choice

Flow Control Status——

Autonegotiation ——

Frame Tyoe——

PVID—— untagged VLAN ID 1

Trunk —— Trunk

Type —— Trunk

Trunk Status —— trunking

Ports ——

VLAN

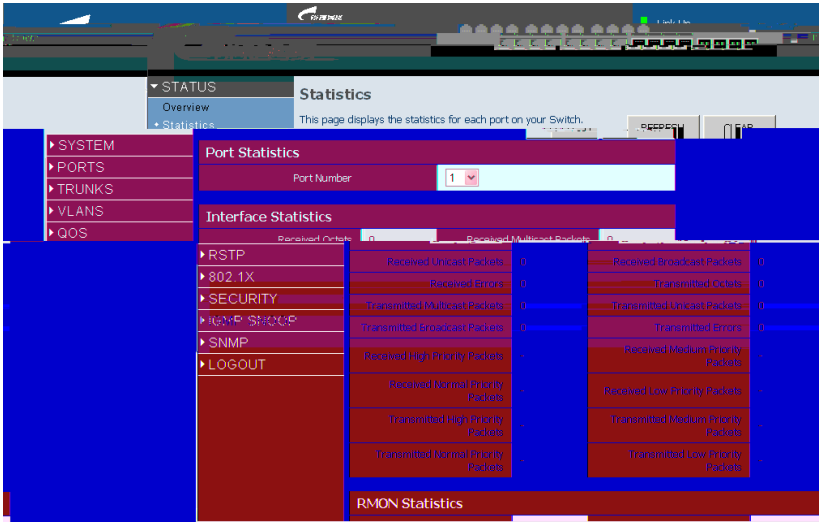
VLAN ID—— MST VLAN

VLAN Member —— VLAN

1.4.2 / 0Ã ·4³Au

“ CLEAR ”

60 “ REFRESH ”



4

3

Interface Statistics	

Received Octets	
Received Unicast Packets	
Received Errors	

Transmitted Multicast Packets

Multicast Frames

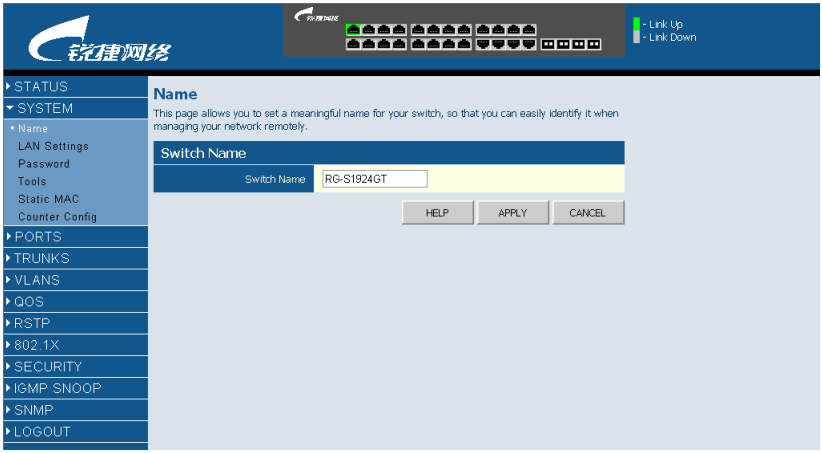
1.5 2Ï4³

1.5.1 / 2Ï4³ 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 –

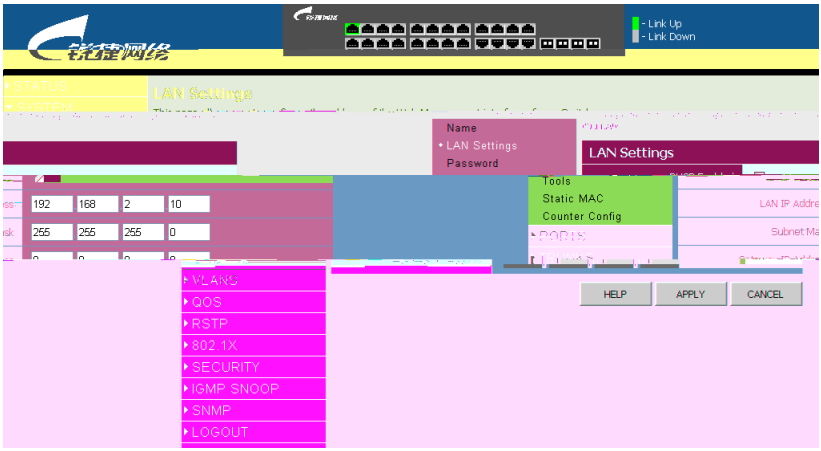
255.255.255.0

Default Gateway – IP

IP

Web – System, LAN Settings, IP

APPLY



6 LAN

1.5.4 [1] K

4{ Î Ê

APPLY

10

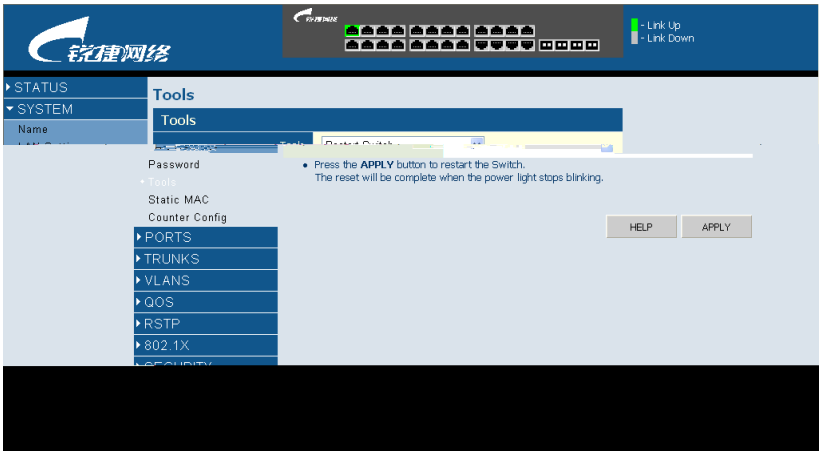
Þ ô / ßEQG!5B

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

"Upload" "Download"

Gi „ | x 6

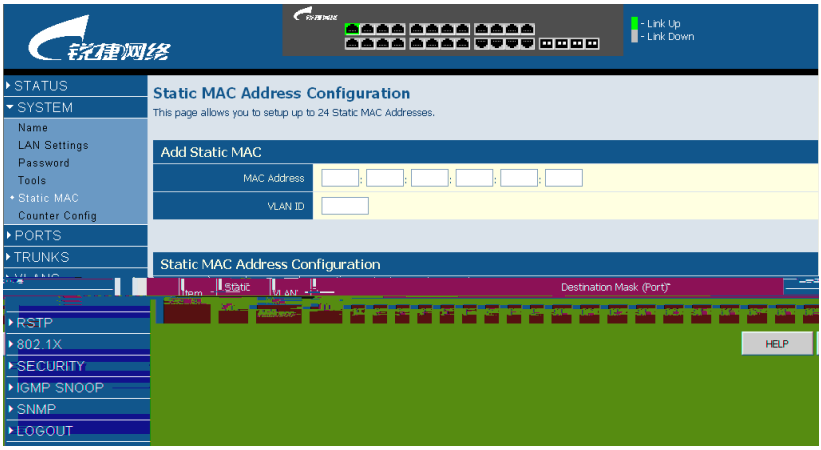
Web – System, Tools, Restart Switch APPLY



Modify Delete MAC Modify

Destination Mask

Web – System, Static MAC.



13 MAC

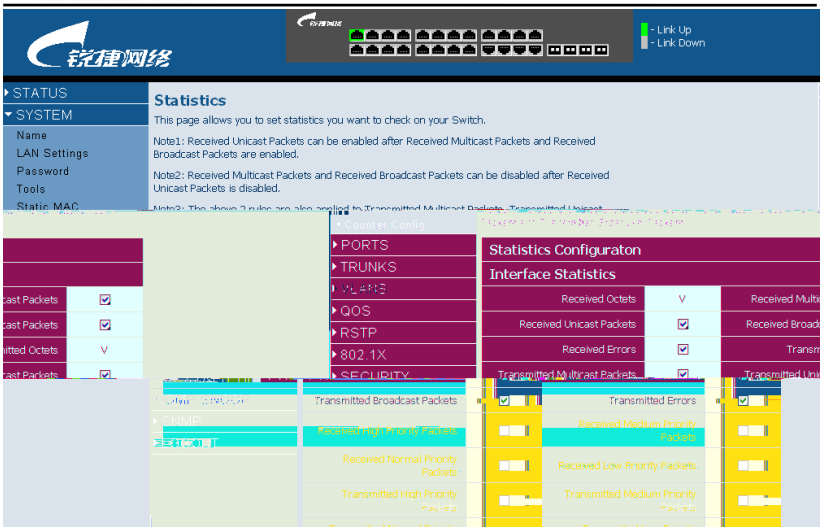
1.5.6 4³AuG!5B

5 5 1

1

2

3



1.6 0Ã ·

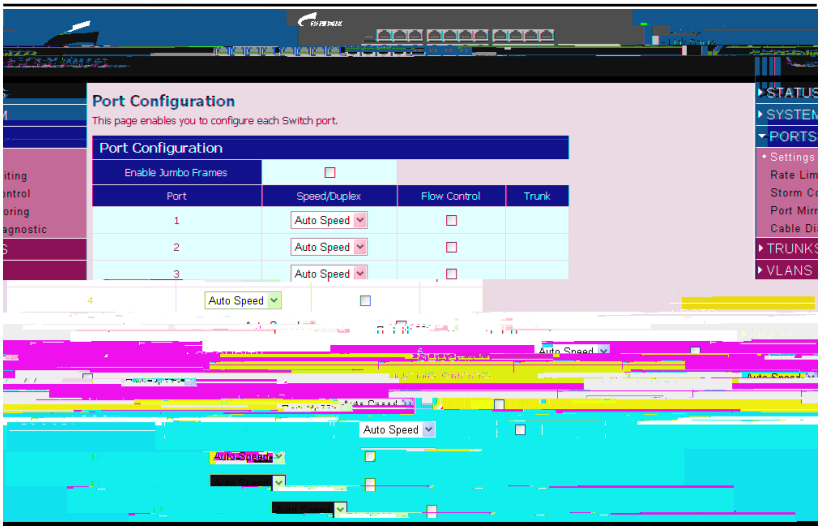
1.6.1 0Ã ·A’5B

Speed/Duplex –

Flow Control –

Trunk – trunk

Web – PORTS, Settings



15

1.6.2 G!5B_$Eó s6Ñ

/

trunk

Rate Unit –

Port –

Port Speed –

Enable Input Rate Limiting –

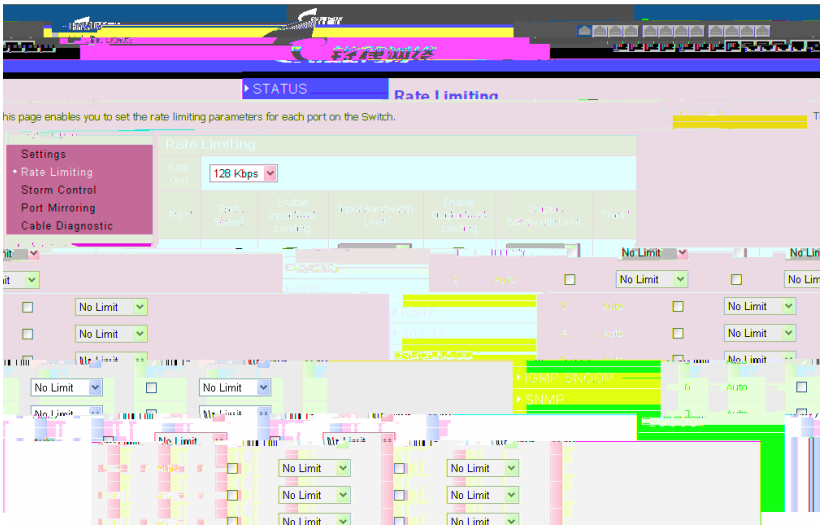
Input Limit –

Enable Output Rate Limiting –

Output Limit –

Trunk – Trunk

Web - PORTS, Rate Limiting



16

1.6.3 0Ã ·L N¢ ^ {

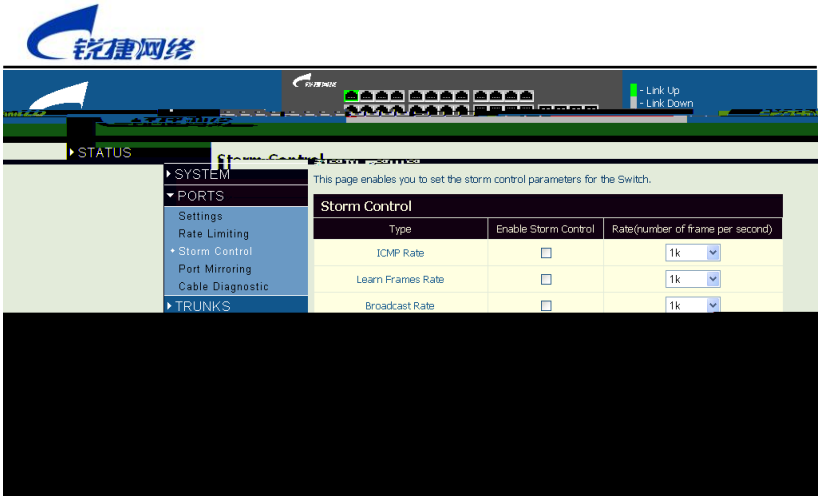
threshold threshold

Type – ICMP

Enable Broadcast Storm Control –

Rate(number of frame per second) –

Web – PORTS, Broadcast Control

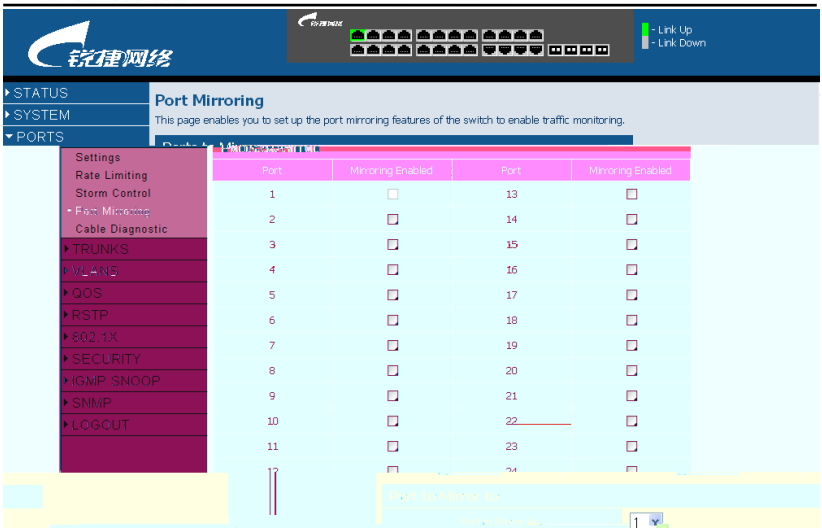


17

1.6.4 0Ã ·K0 £

Port to Mirror to – “ ” “ ”

Web – PORTS, Port Mirroring



18

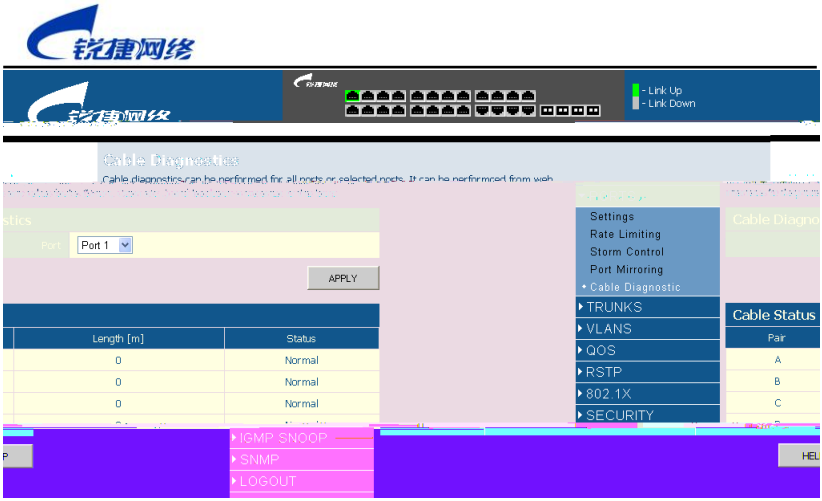
1.6.5 4“4ÚAž •

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 –

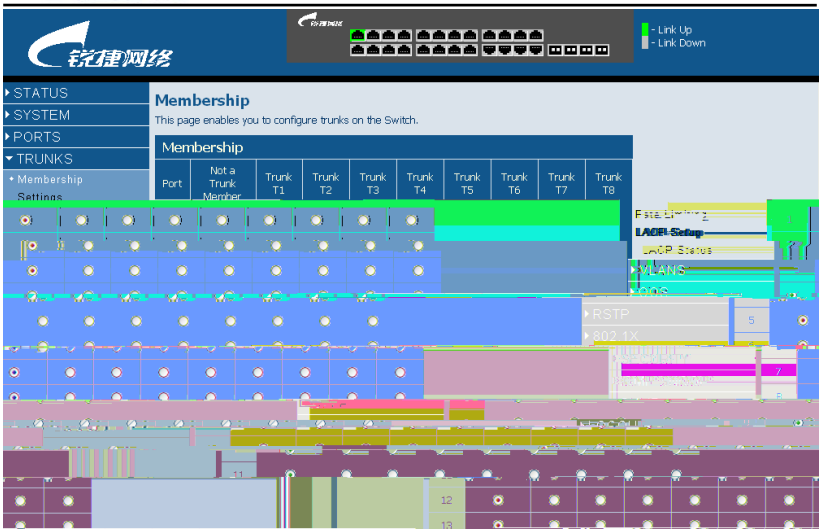
trunk

Trunk T1-T8 – 8 trunk

trunk

Web – TRUNKS, Membership

Trunk



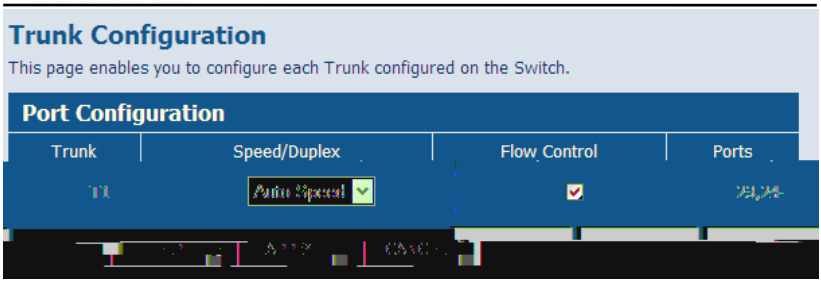
20 Trunk

1.7.2 Trunk A’5B

Trunk – Trunk ID

Speed/Duplex – trunk

trunk



21 Trunk

1.7.3 Trunk L$Eó

trunk

Rate Unit –

Trunk – Trunk ID

Trunk Speed – trunk

Enable Input Rate Limiting – Trunk

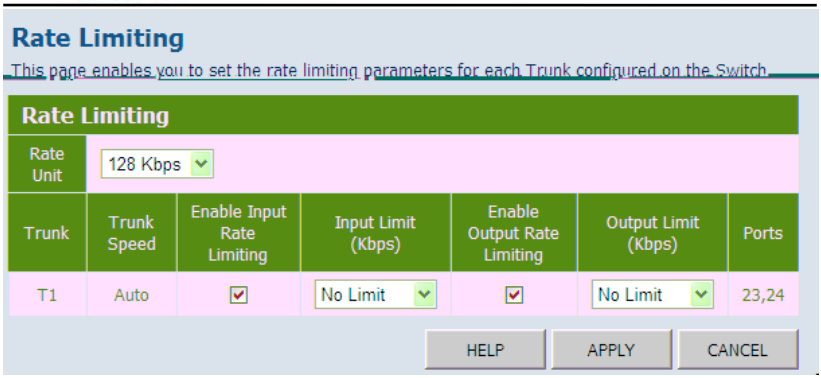
Input Limit –

Enable Output Rate Limiting – Trunk

Output Limit –

Ports – Trunk

Web – TRUNKS, Rate Limiting



22 Trunk

1.7.4 LACP A’5B

LACP

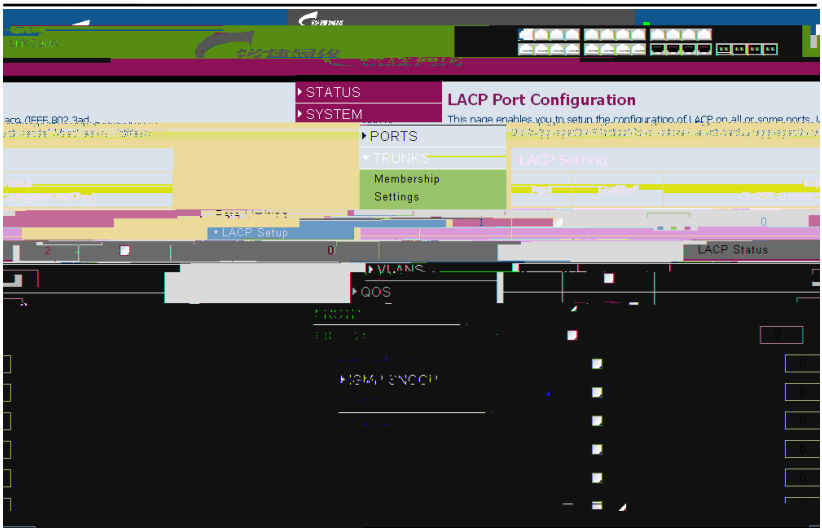
LACP IEEE 802.3ad Link Aggregation Protocol

Port –

Enabled – LACP

Key Value – Key

Web – TRUNKS, Settings.



23 LACP

1.7.5 LACP (Š Õ

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

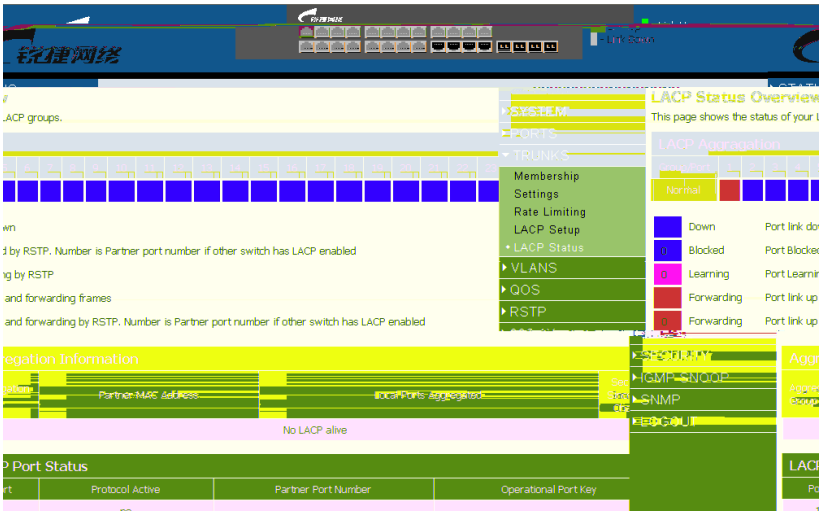
Port – ID.

Port Active – LACP

Partner Port Number – ID

Operational Port Key – LACP Key

Web – TRUNKS, LACP Status.



24 LACP

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

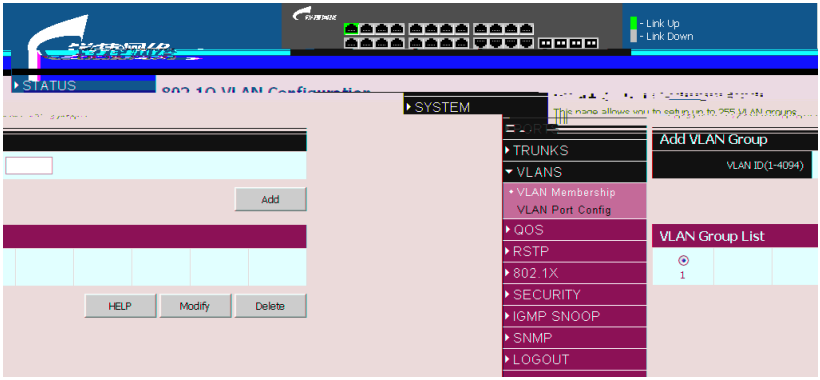
3 VLAN ID(VLAN Membership),PVID,Packet Type

Add VLAN Group – VLAN

VLAN ID – VLAN

VLAN Group List – VLAN

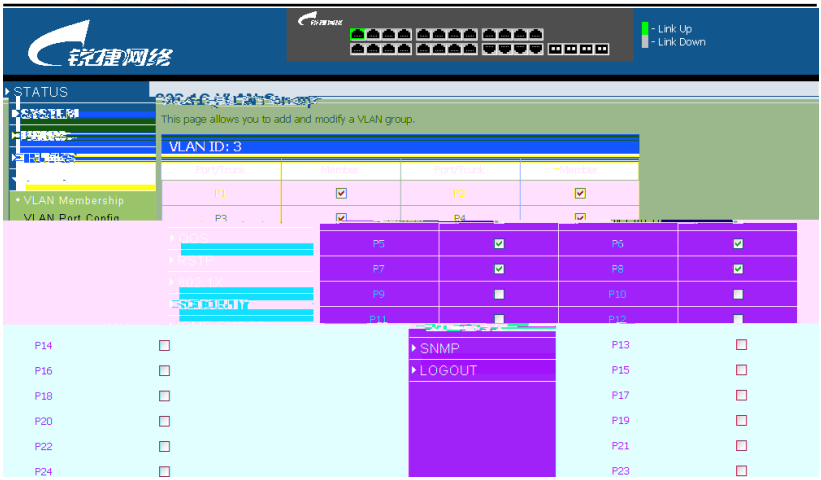
Web – VLANS, VLAN Membership Add VLAN Group VLAN ID VLAN Add



25 VLAN

802.1Q VLAN Group VLAN

APPLY. VLAN Group List VLAN, Modify



26 VLAN

1.8.2 VLAN 0Ã ·G!5B

VLAN

Port/trunk – trunk ID

VLAN Awareness – VLAN aware VLAN TAG, VLAN TAG PVID VLAN unaware VLAN TAG

QinQ VLAN unaware trunk VLAN aware

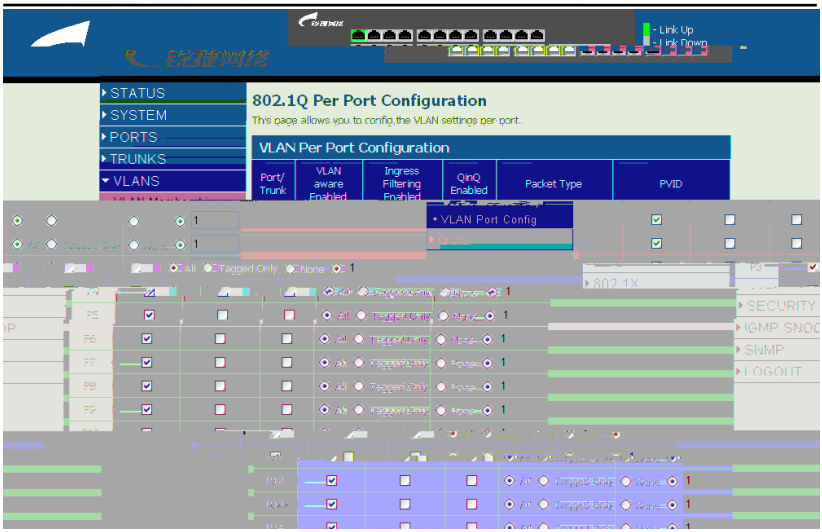
QinQ – QinQ 1526bytes tag

QinQ

QinQ VLAN

WAN QinQ

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



27 VLAN

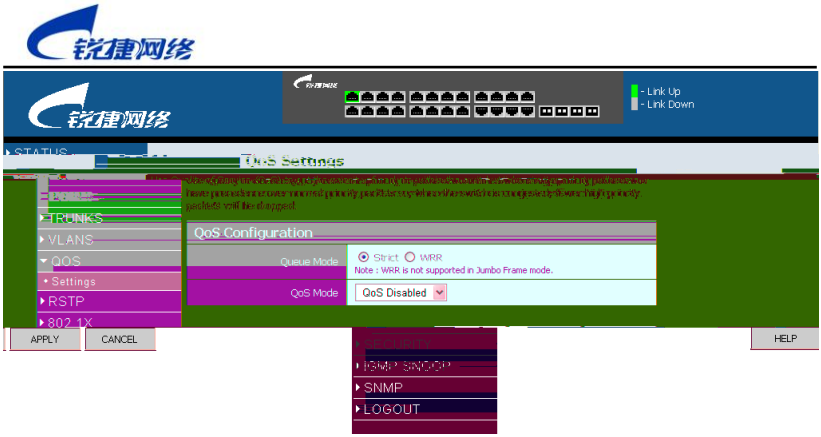
1.9 QoS A’5B

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 – BPDU

1-10 2

Max Age –

MCID 425>BDC BT/F3 9.96 Tf1 0 0 1 14821.4649024 10 0 T2 Tc

Forward Delay –

4-30 15

Force Version – RSTP Normal – RSTP Compatible – STP

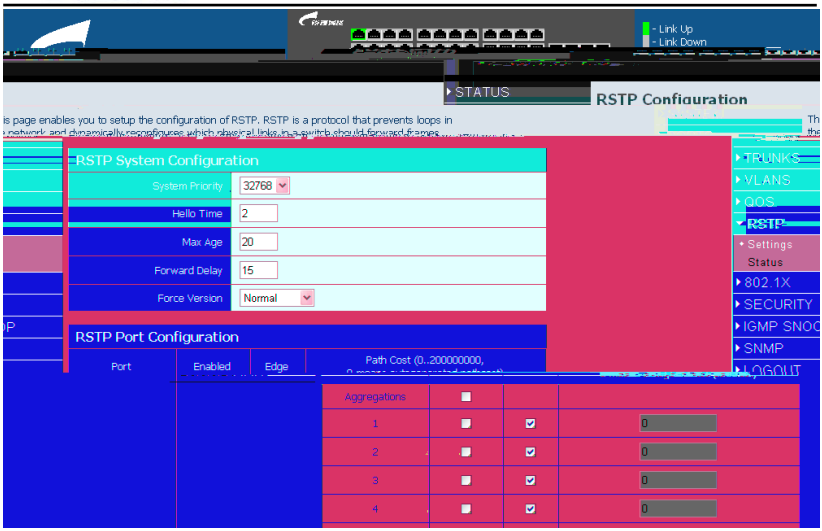
Ser RSTP Port Configuration

Port – ID trunk

Enabled – / RSTP

Edge – STP

Path Cost – STP



29 RSTP

1.10.2 RSTP (Š Õ

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 –

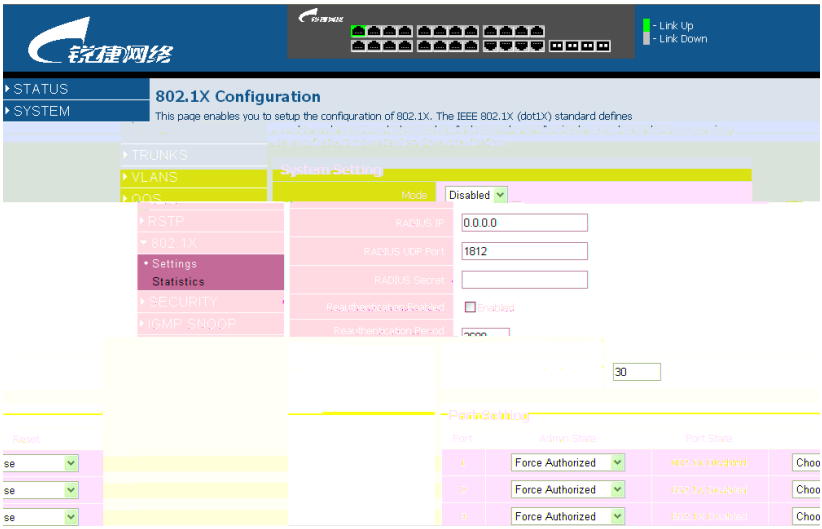
Re-Authenticate –

Force-Reinitialize –

IEEE802.1x

“ ”

Web – 802.1X Settings.



31 802.1x

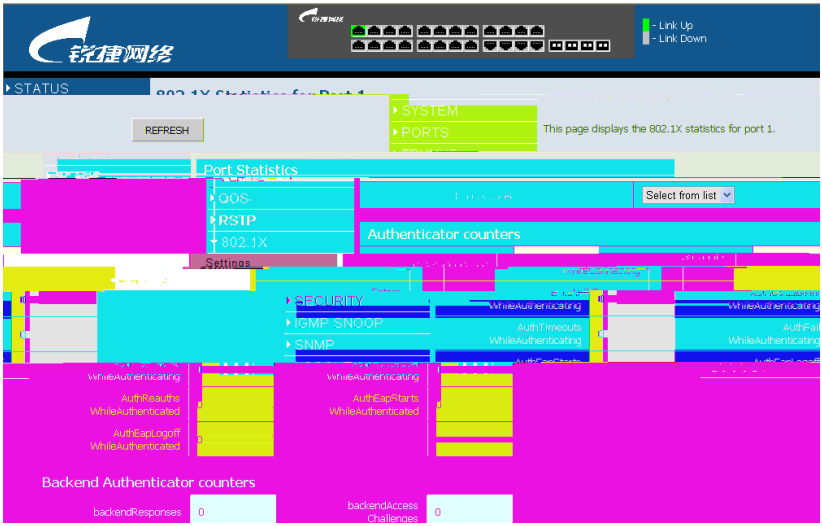
1.11.2 802.1x

Authenticator counters -

Backend authenticator counters -

Dot1x MIB counters - 802.1x MID

Web – 802.1X Statistics.



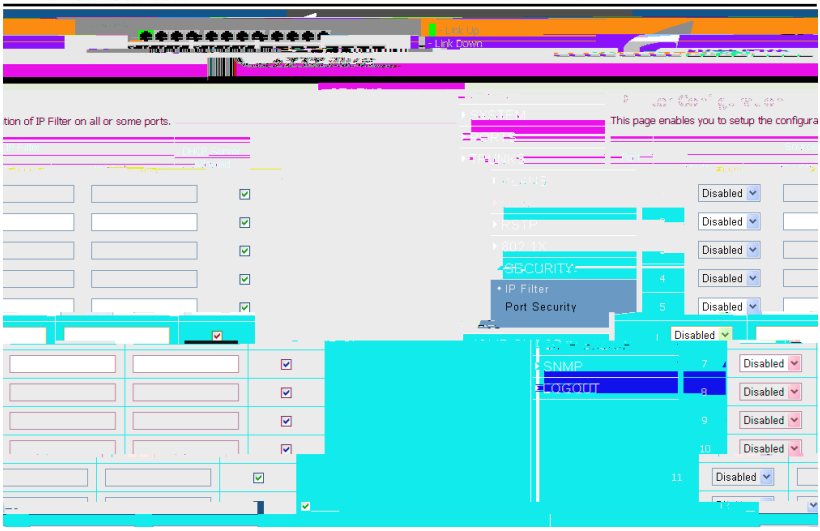
32 802.1x

Port –

Source IP Filter – IP IP

– ^

IP –



33 IP

1.12.2 0Ã ·] <

MAC

MAC

MAC MAC

MAC

MAC

Port –

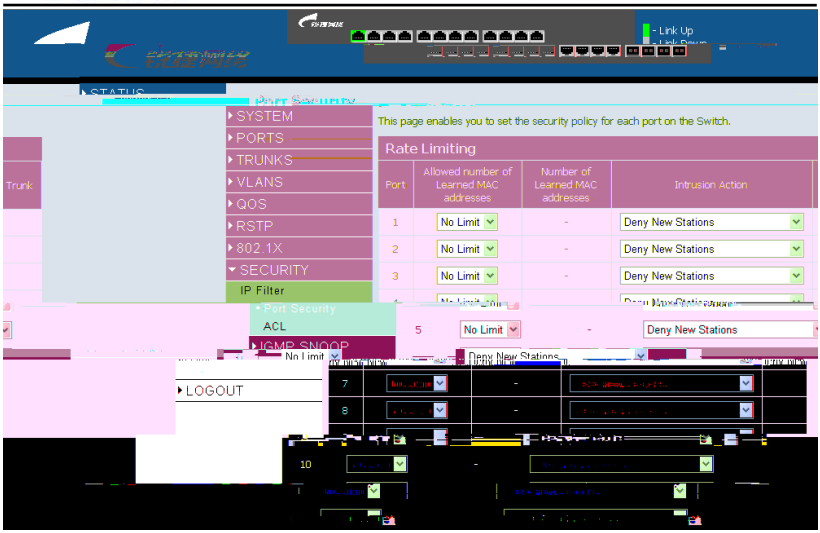
Allowed number of Learned MAC addresses –

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 –

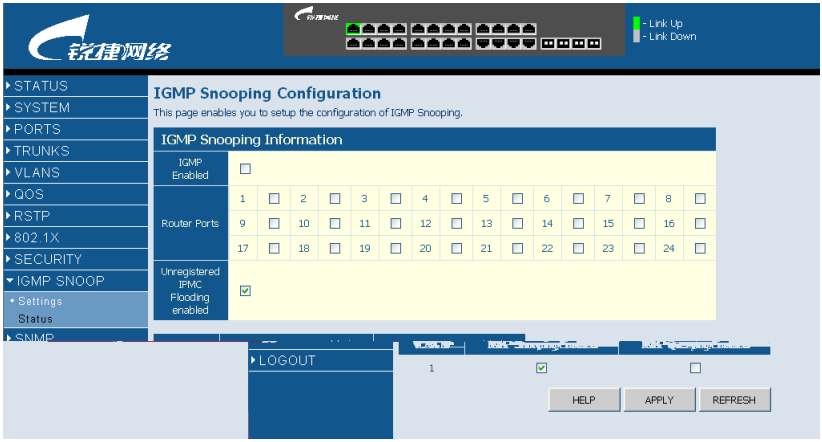
IP

VLAN ID - VLAN ID

IGMP Snooping Enabled –

IGMP Querying Enabled –

Web – IGMP Snoop, Settings.



36 IGMP Snooping

1.13.2 IGMP (Š Õ

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

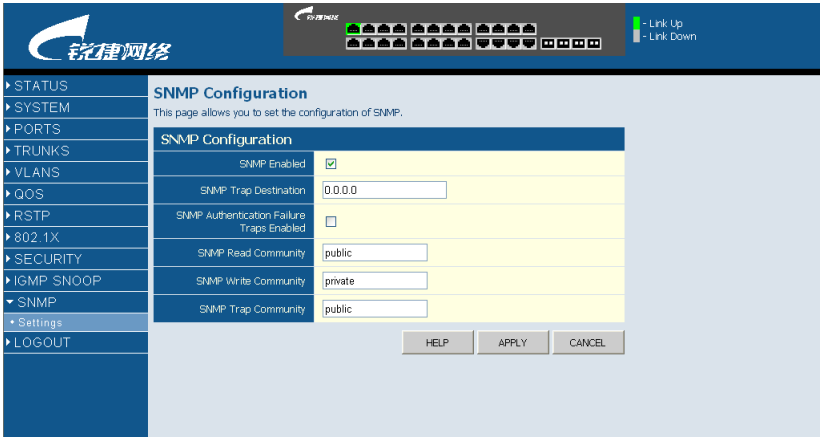
SNMP Trap Destination – trap IP trap SNMP trap destination trap IP

SNMP Read Community – SNMP MIB

SNMP Write Community – MIB

SNMP Trap Community –

Web – IGMP Snoop Status.



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-Õ

1.

2.

3. 1 2.

4.

5. 40 1 2

“ admin ”

192.168.2.10


锐捷网络