WEB

RG-AS3GT

RGOS 10.4(3b16)p5

V1.0

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2

http://www.ruijie.com.cn/

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http://www.ruijie.com.cn/service.aspx

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http://bbs.ruijie.com.cn/portal.php

service@ruijie.com.cn

1)

[ ]   [ ]   № ضيث פ ˜

{ x | y | ... }   ɾ   ŭ̋

[x | y | ...]   ɾ   ŭ̋

//   ї̋

2) ݂ݳ

ӥ   ݂ݳ   ضي ƀ   ≢   ضر ˈ

---

3)

ʹY ם № ℴ قمم ˜ ƀ ݂ݳ̊ ̊ ج ℴ قمم

ʹY № ם Ḥ ˜ Ɔ ї̇ ̊ ̊ ج ↓ ṗ ̊ ̊ ج قمم ˜ ί ʳ Ḥ ү ą
Ḥ ‰

ʹY ї̋ كح ї̋ كح̊ ̊ ج يحـ ף ჯ كح ү ї̋ ჯ ׀ ˊ

1 WEB

1.1 WEB

WEB IE

1-1

U “ ” O

1-2

U ~ WEB

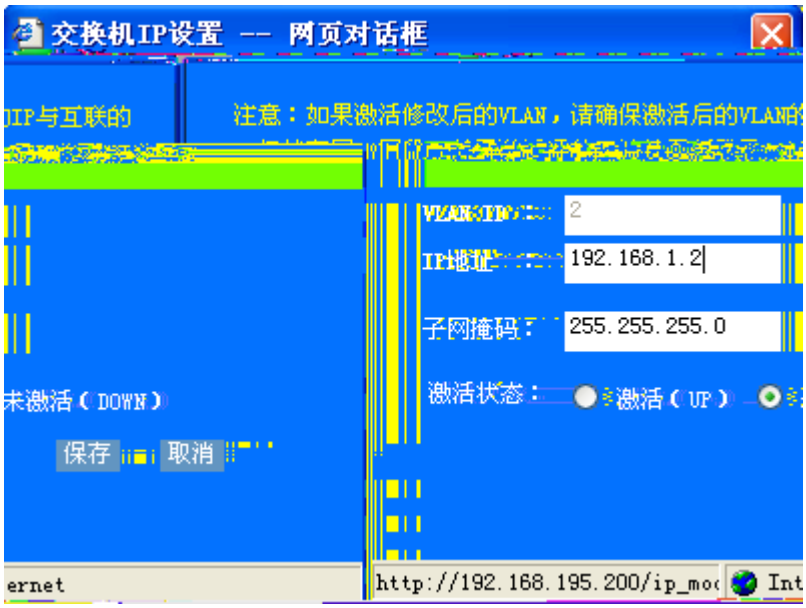
1-3 WEB

1.5

1.5.1

ķ ķ ip “ ķ ” U

1-5 IP ķ



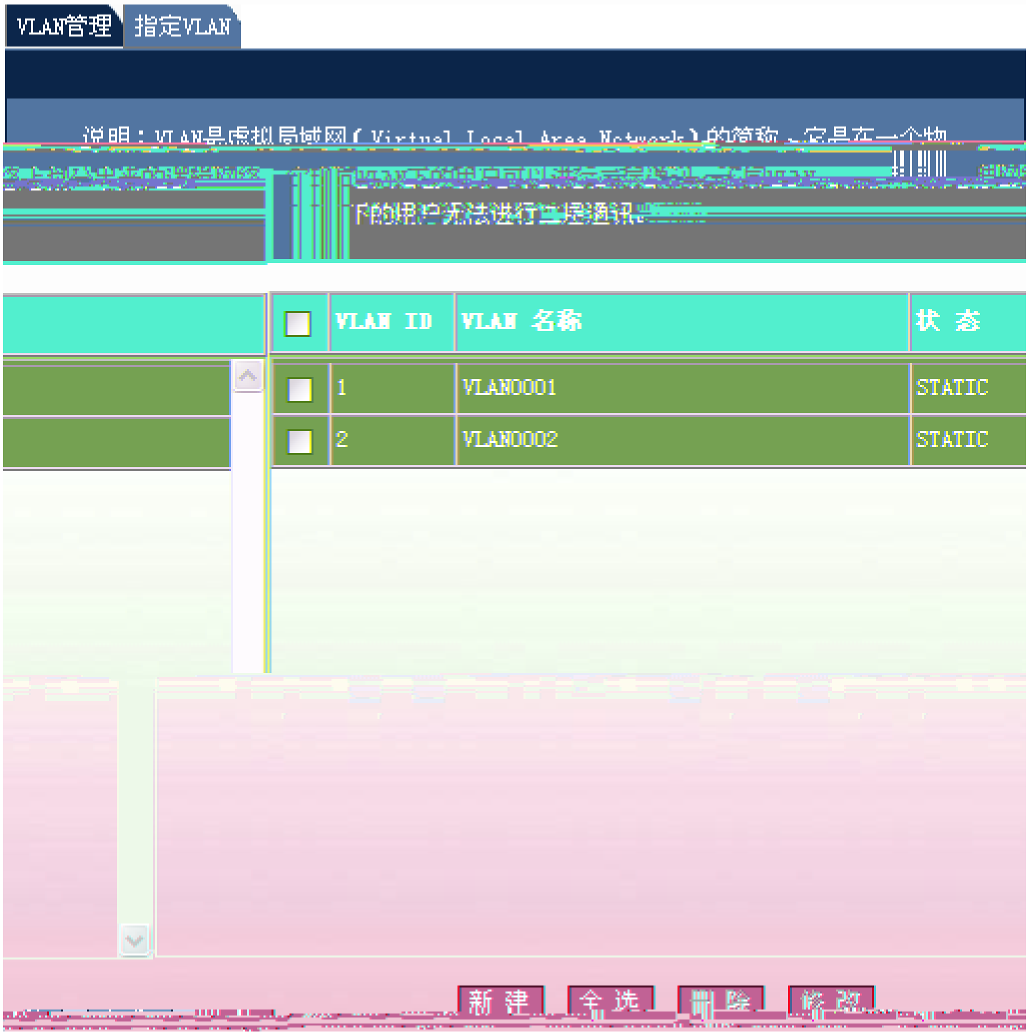
IP ķ ķ U “ Ḡ ”

1.5.2 VLAN

“ VLAN ”

VLAN

ỽ 1-6 VLAN

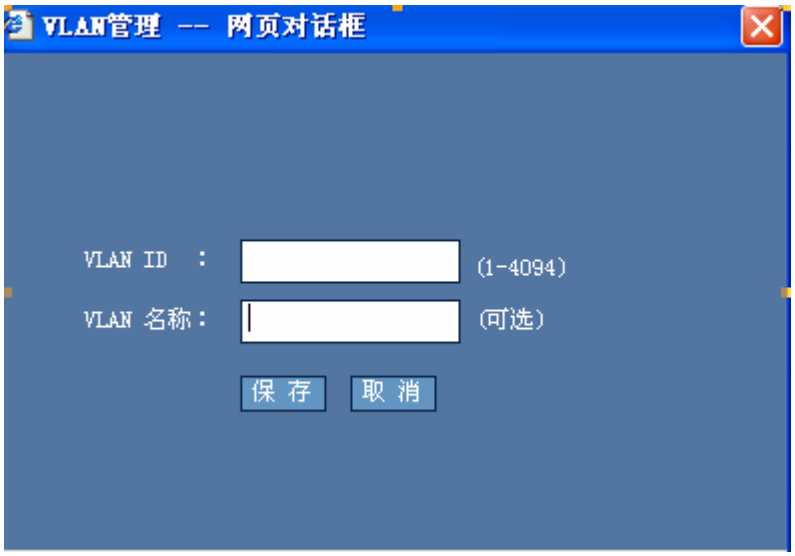


VLAN

˜ U ῷ ╠ VLAN Ḥ ˜ ɣ – ḱ VLAN ᵖ VLAN
–

Ɗᵨ “ ” U ₮

ỽ 1-7 VLAN

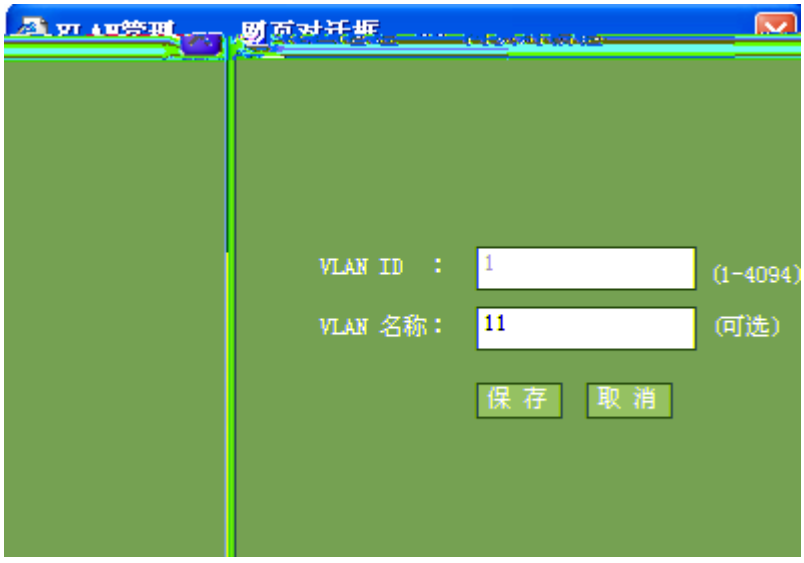


VLAN ID VLAN “ ” VLAN VLAN

– – VLAN U “ – ”

VLAN U “ ” VLAN

1-8 VLAN



VLAN U “ ” VLAN

VLAN

1-9 VLAN

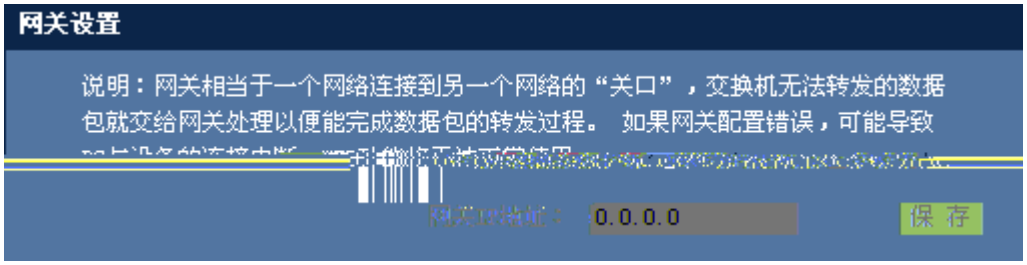
o ۼ VLAN ID o U " Ḡ " ą

1.5.3

ϒ " ˇ " ą w w ˊ

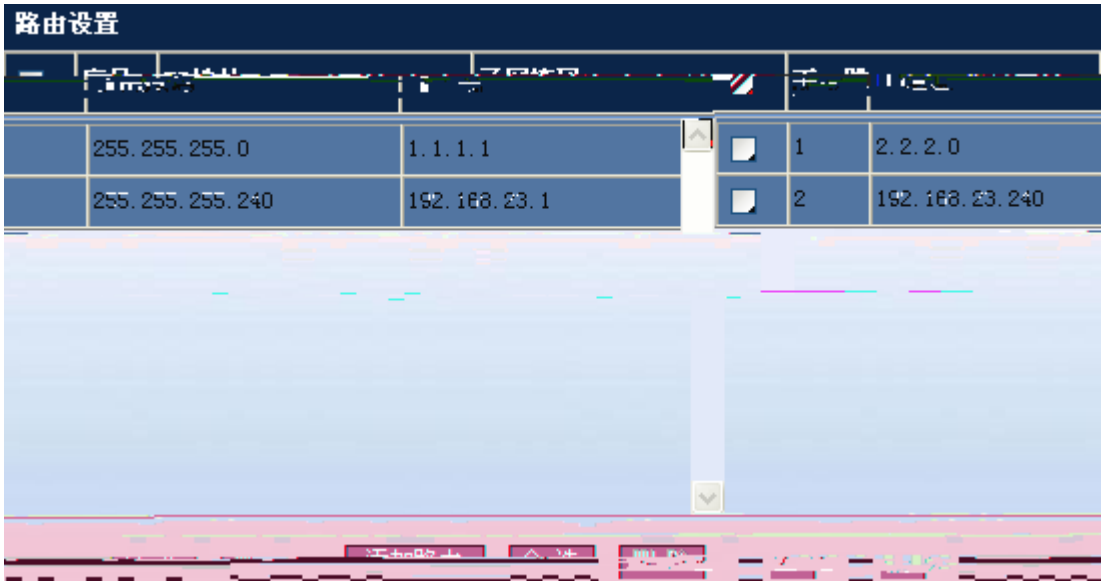
ˇ

ײ 1-10 ˇ

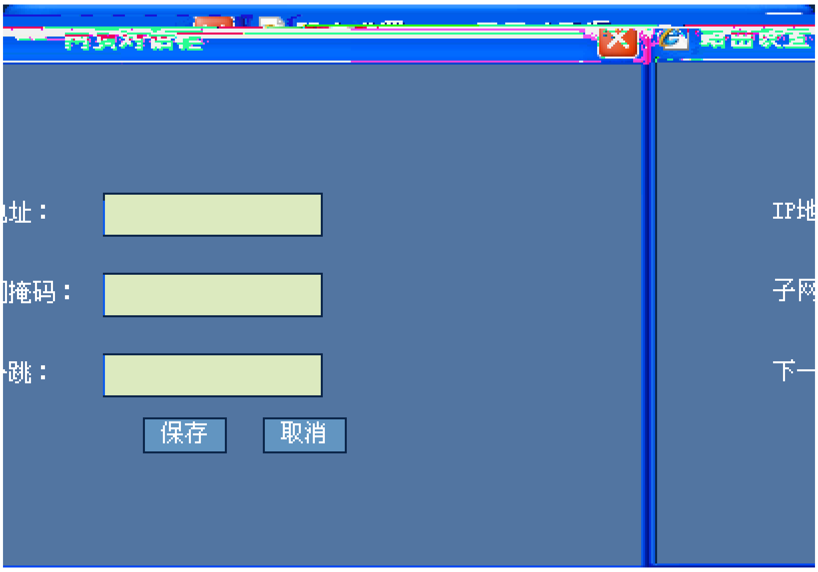

网关设置
说明：网关相当于一个网络连接到另一个网络的“关口”，交换机无法转发的数据
包就交给网关处理以便能完成数据包的转发过程。 如果网关配置错误，可能导致
0.0.0.0
保 存

1.5.4

1-11


路由设置
255.255.255.0
1.1.1.1
1
2.2.2.0
255.255.255.240
192.168.23.1
2
192.168.23.240

1-12



˜ IP ﺧﻲ ﺿﺮ ﻍ U “ Ḡ ” ą wˉU ﻳ ﺿﻲ

– – “ – ” –

1.5.5

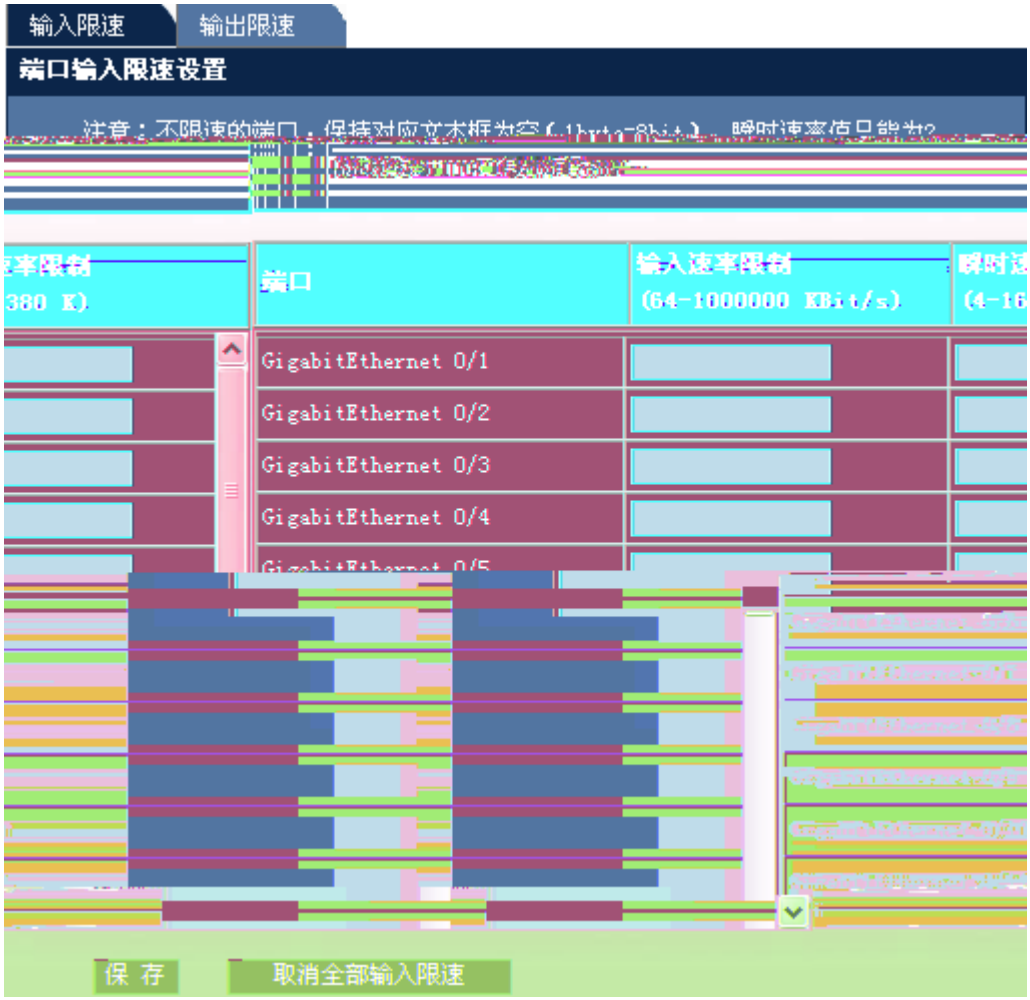
ﻳ “ ० ˝E ” ą wˉ

० ˝E

ﻳﺤ 1-13 ० ˝E


端口镜像设置
2
监控端口
GigabitEthernet 0/2
会话数序列号
请选择被监控端口及监控模式：
所有数据
保 存
删除端口监控

1.5.6


输入限速
输出限速
端口输入限速设置
端口
输入速率限制
(64-1000000 KBit/s)
GigabitEthernet 0/1
GigabitEthernet 0/2
GigabitEthernet 0/3
GigabitEthernet 0/4
保 存
取消全部输入限速

1-15


输入限速
输出限速
端口输出限速设置
注意：不限速的端口，保持对应文本框为空（1byte=8bit）。瞬时速率值只能为2的n次方，10G口最小值为8。
端口
输出速率限制 (64-1000000 KBit/s)
瞬时速率限制 (4-16380 K)
GigabitEthernet 0/1
GigabitEthernet 0/2
GigabitEthernet 0/3
GigabitEthernet 0/4
GigabitEthernet 0/5
GigabitEthernet 0/6
GigabitEthernet 0/7
GigabitEthernet 0/8
GigabitEthernet 0/9
GigabitEthernet 0/10
GigabitEthernet 0/11
取消全部输出限速
保 存

1.5.7

1-16

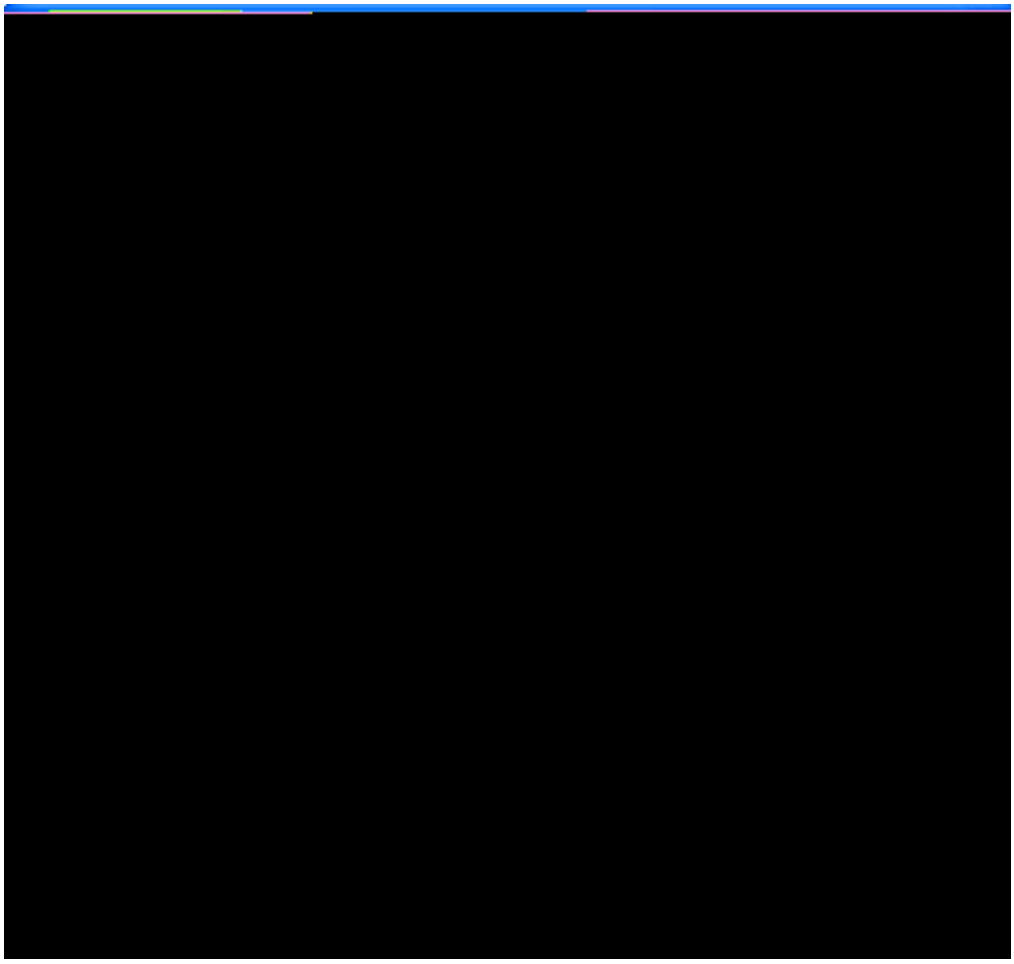

聚合端口设置
注意：若选择的算法为缺省算法，配置后将不显示！
流量平衡算法选择：
保 存
Help
聚合端口
最多成员端口数
二层端口
模式
成员端口
新 建
全 选
删 除

U “ Ḡ ” ą

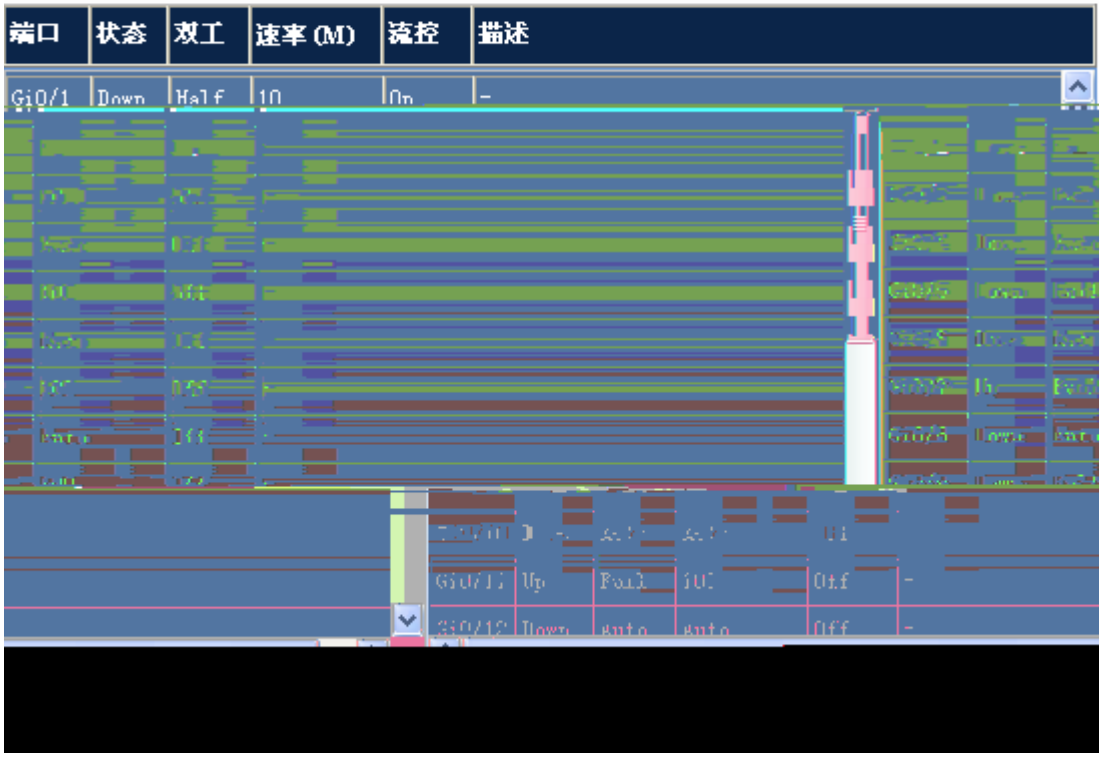
o

o “ ” ₹

1-17 o



1.5.8



1.5.9 DHCP

DHCP

1-19 DHCP

Ջ/ˇ DHCP

/ˇ DHCP w ˦ U "Ḡ" ą

DHCP ⊦ ཀྵ

DHCP ⊦ ཀྵ ضيخ U "Ḡ" ą wU ض – DHCP ⊦ ཀྵ U "–" ą

1.5.10 IGMP Snooping

ˀ "IGMP Snooping" ą w

IGMP Snooping

ﯾﺰ 1-20 IGMP Snooping

ч

Ձ SNMP ѡ "Ձ SNMP" Ҷ ῢ γ ׳ϱ r O Ώ ᾰ U "Ḡ" ą ˜ SNMP ѡ "˜ SNMP" Ҷ U "Ḡ" ą – ׳ϱ r O – U "–" ą

1.5.13 NFPP

Ҷ "NFPP" ą ѡ

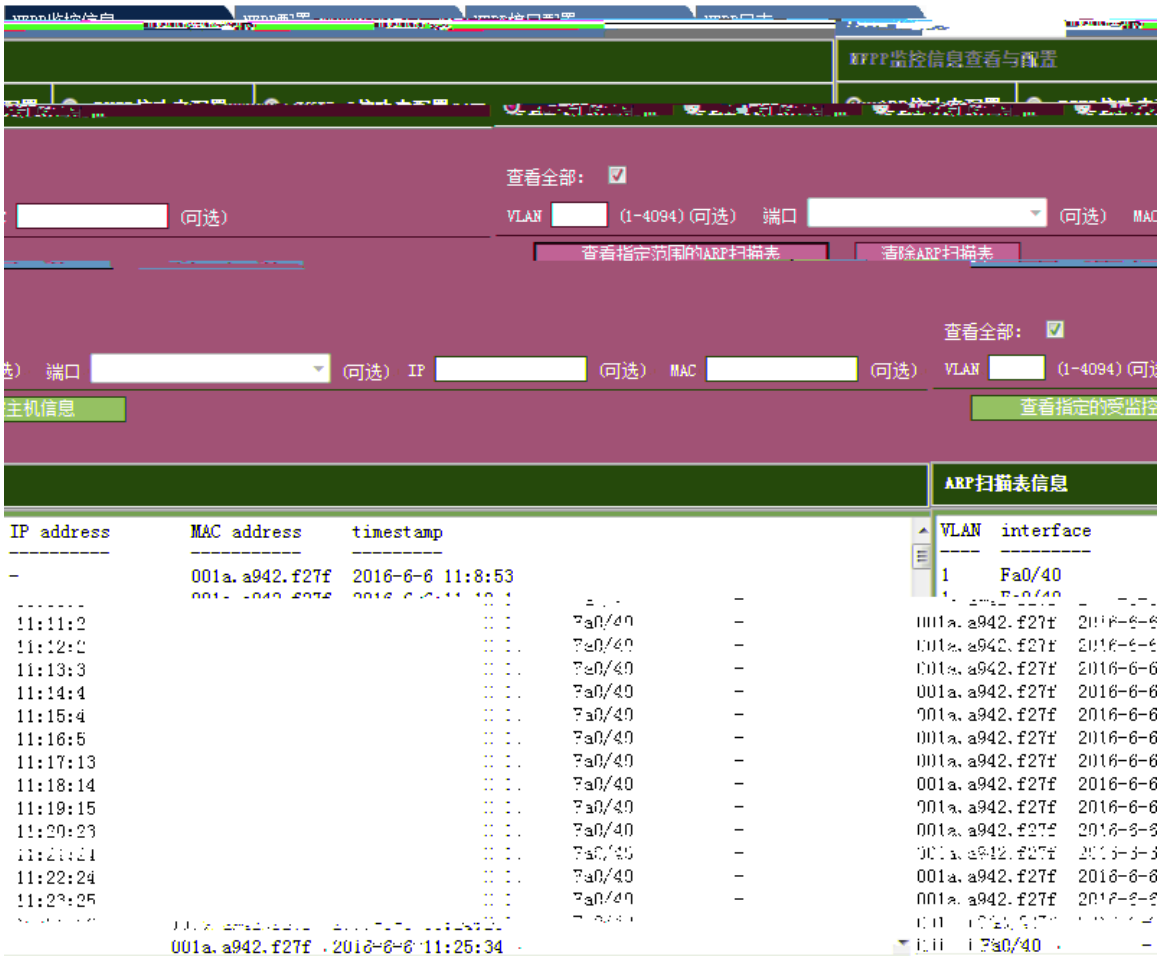
NFPP Ḥ

ᾪ 1-23 NFPP Ḥ

NFPP

1) ARP

1-24 NFPP H —ARP

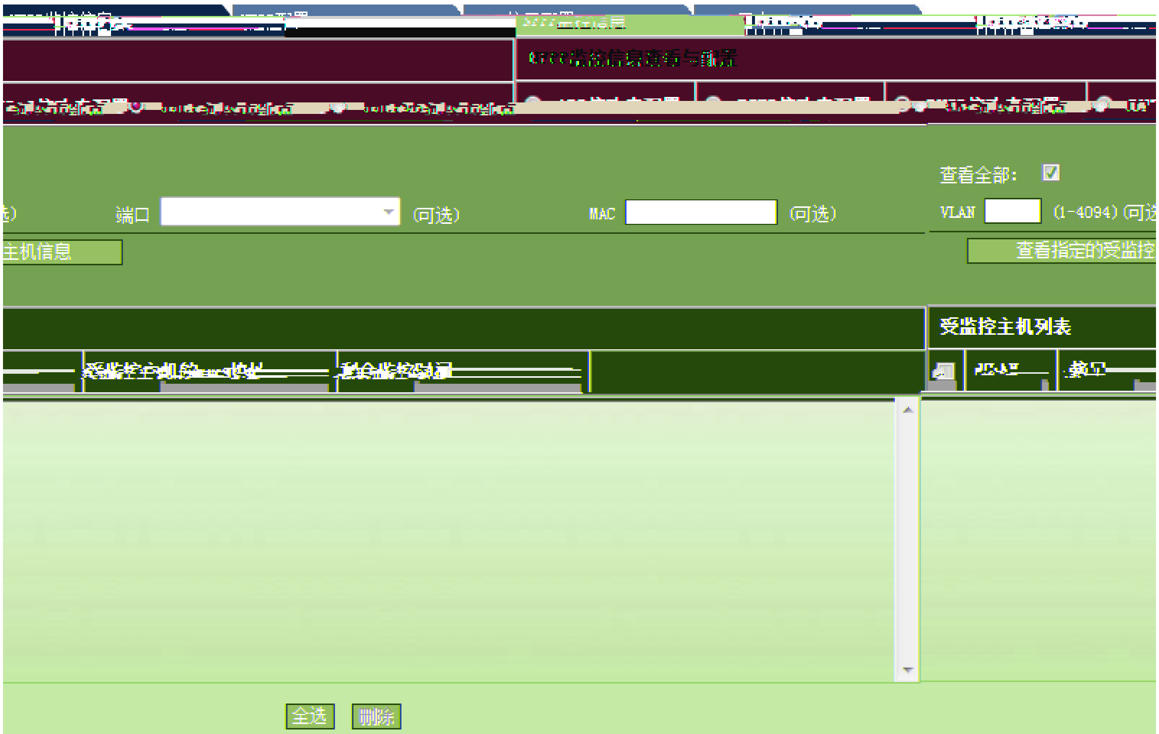

EFPP监控信息查看与配置
查看全部:
(可选)
VLAN
(1-4094)(可选)
端口
(可选)
查看指定范围的ARP扫描表
清除ARP扫描表
查看全部:
端口
(可选)
IP
(可选)
MAC
(可选)
VLAN
(1-4094)(可
主机信息
查看指定的受监控
ARP扫描表信息
IP address
MAC address
timestamp
VLAN
interface
001a.a942.f27f
2016-6-6 11:8:53
1
Fa0/40
11:11:2
11:12:2
11:13:3
11:14:4
11:15:4
11:16:5
11:17:13
11:18:14
11:19:15
11:20:23
11:22:24
11:23:25
001a.a942.f27f
2016-6-6 11:25:34
Fa0/40

ARP

ICMP Ꭰρ Ḥ ἳ Ḥ Ꭰρ “ Ḥ κ ” ↕ Ḥ κ Ḥ ڍ ˜ IP غ خي ض Ꭰρ “ Ḥ κ ” ↕ ݠ ῤ ˜ ⌠ Ḥ κ ↓ Ꭰρ“ ݠ ἳ Ḥ ” ↕ ᾰ ἳ Ḥ “ ῃ ” ↕ ἳ Ḥ

3) DHCP Ꭰρ

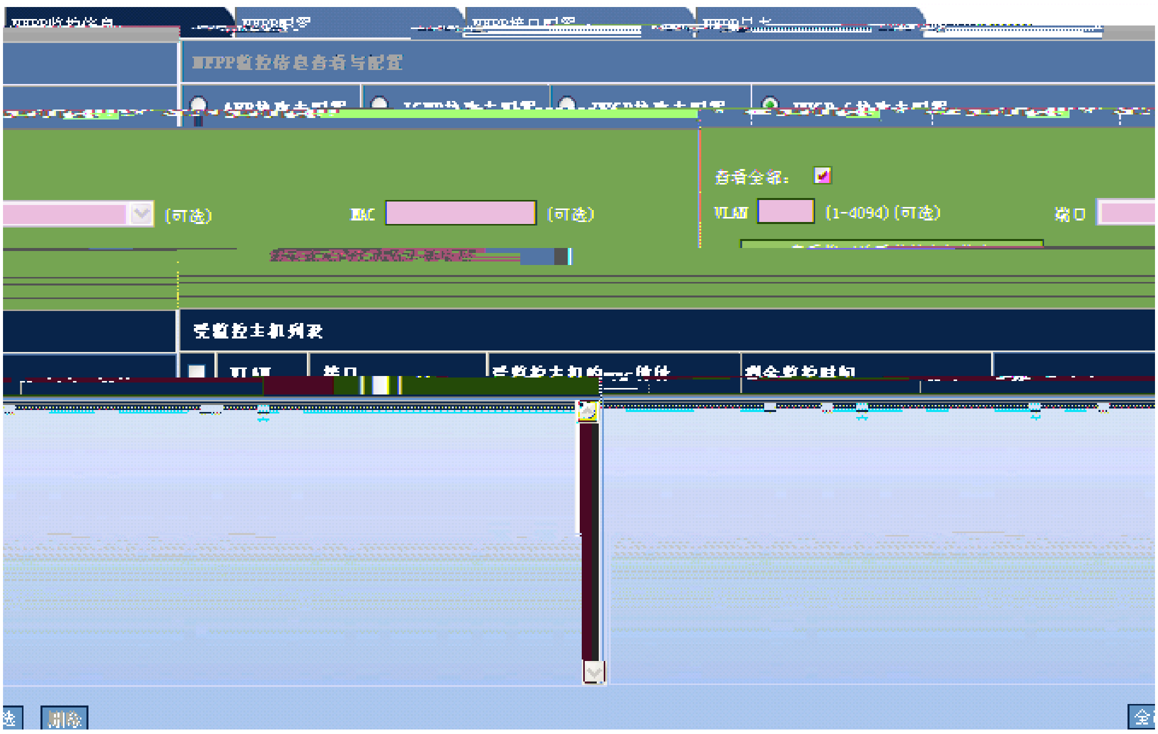
ڍ 1-26 NFPP Ḥ —DHCP Ꭰρ



DHCP Ɗρ Ḥ ᠊ᠢ ῗ Ḥ Ɗρ “ ᠊ᠣ ῗ
Ḥ ” ↕ ᾰ ῗ Ḥ ’ “ η ” ↕ ῗ Ḥ

4) DHCPv6 Ɗρ

᠊ᠢ 1-27 NFPP Ḥ —DHCPv6 Ɗρ



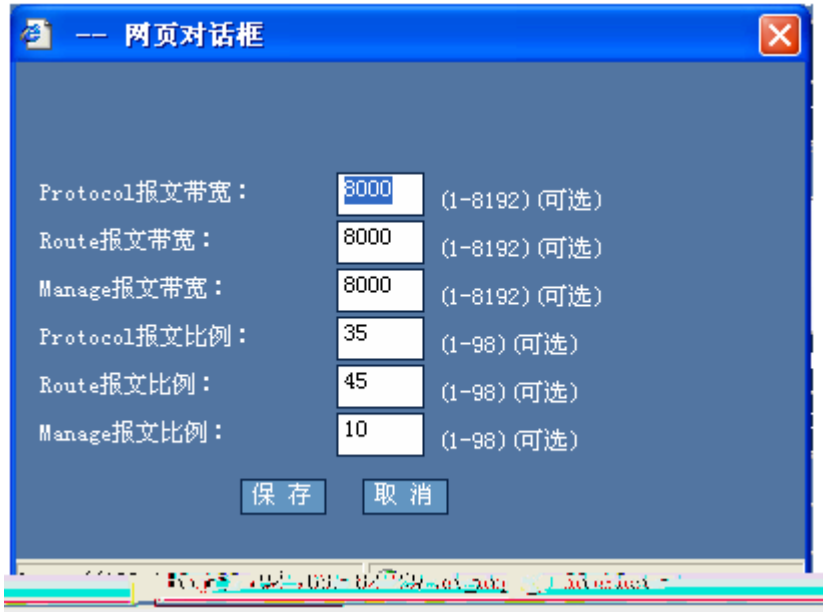
DHCPv6

NFPP

1-28 NFPP

1) CPU

1-29 CPU



CPU Ḡ ╠ ݵ \l ۼ \l ᴰ Ḥ Ꭰ “ ḱ ” ₮ ݨ ៰
ᾰ U Ꭰ “ Ḡ ” ą ض ᾰ ↕ ᾰ ḱ ↕ Ḡ ╠
ḯ

2) NFPP

ݨ 1-30 NFPP

NFPP ╠ ݵ ̱ Ḥ Ꭰ ↓ “ ” ↕ ̱ NFPP
Ꭰ “ ” ̱ NFPP Ꭰ “ ḱ ” ₮ ݨ ៰
̱ ᾰ U Ꭰ “ Ḡ ” ą ض ᾰ ↕ ᾰ ḱ
↕ Ḡ ╠ ḯ

NFPP

1) ARP Ꭰ

ݨ 1-31 NFPP Ḥ —NFPP ៰ ARP

ARP 𝒟ρ ｏ NFPP ﻴﻬ ｏ ᾰ̋ U 𝒟ρ“ Ḡ ” ą
wˑ U ᴪ Ŧ wˑ ﺿ ᾰ̋ ↕ ṿ

2) ICMP 𝒟ρ

ﻴﻬ 1-32 NFPP Ḥ —NFPP ｏ ICMP

ICMP Ɗρ ο NFPP ﻳﺮ ο ᾰ̃ U Ɗρ“ Ḡ ” ą w U ψ ₮ w ﺽ ᾰ̃ ↕ ṿ

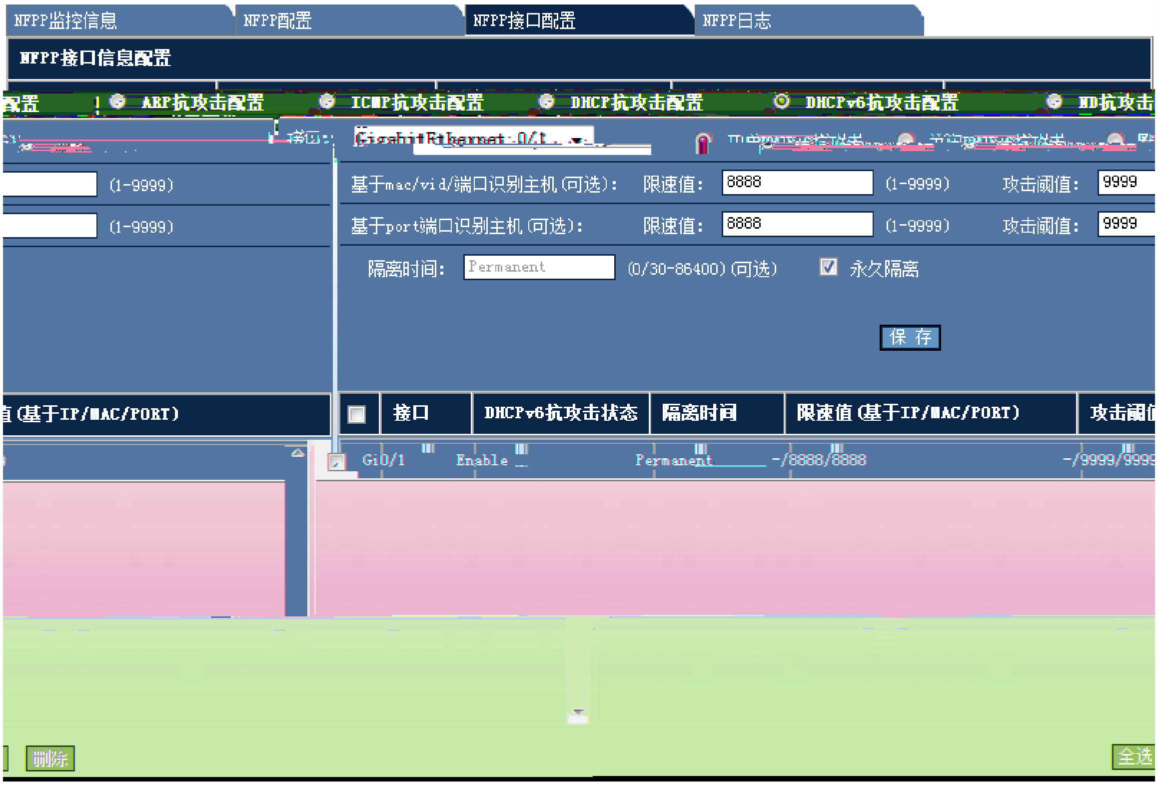
3) DHCP Ɗρ

ﻳﺮ 1-33 NFPP Ḥ —NFPP ο DHCP

DHCP Ꝺ NFPP ᵒ Ǘ Ꝺ "Ḡ" ą
w U ᴪ Ŧ w ǘ ↕ ṿ

4) DHCPv6 Ꝺ

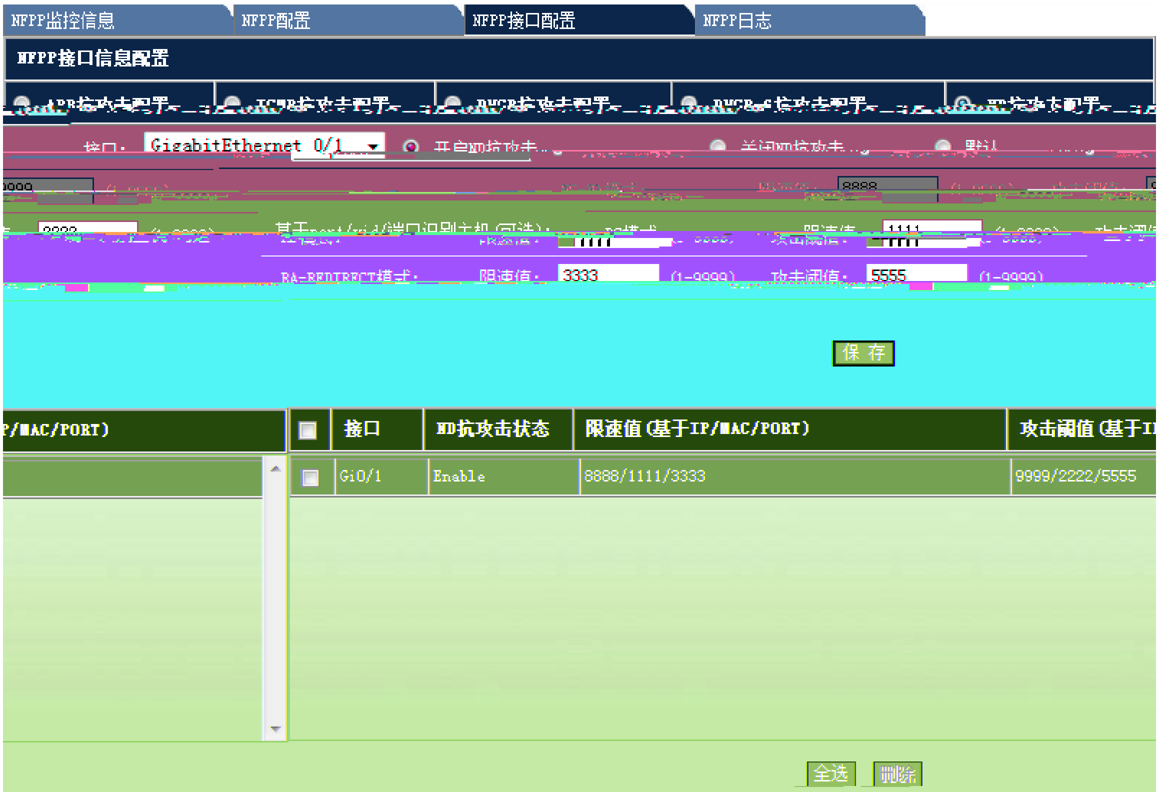
1-



DHCPv6 Ɗρ ｏ NFPP ݹ ｏ ǚ U Ɗρ “ Ḡ ” ą
w U ᴪ ₮ w ض ǚ ↕ ⱱ

5) ND Ɗρ

ݹ 1-35 NFPP Ḥ —NFPP ｏ ND



ND Ɗρ ℴ NFPP ﻳﺢ ℴ ᾰ U Ɗρ “ Ḡ ” ą
w U Ψ ₮ w ﺽ ᾰ ↕ ṿ

NFPP

ﻳﺢ 1-36 NFPP Ḥ

NFPP Ḥ ﮱ ắ ० U Ɗ̧ “ Ḡ ” ą w U ᴪ ₮ w ﺿ ắ ↨ ᶌ Ɗ̧ “ ‖ ⱨ ” ﺿ ₮ ╞ ‖ ० ﮱ Ɗ̧ “ ‖ ⱨ ” – ‖ Ḥ ‖ ⱨ ०

ﮱ 1-37 ‖ ⱨ

1.6

1.6.1 ARP

ARP

ARP

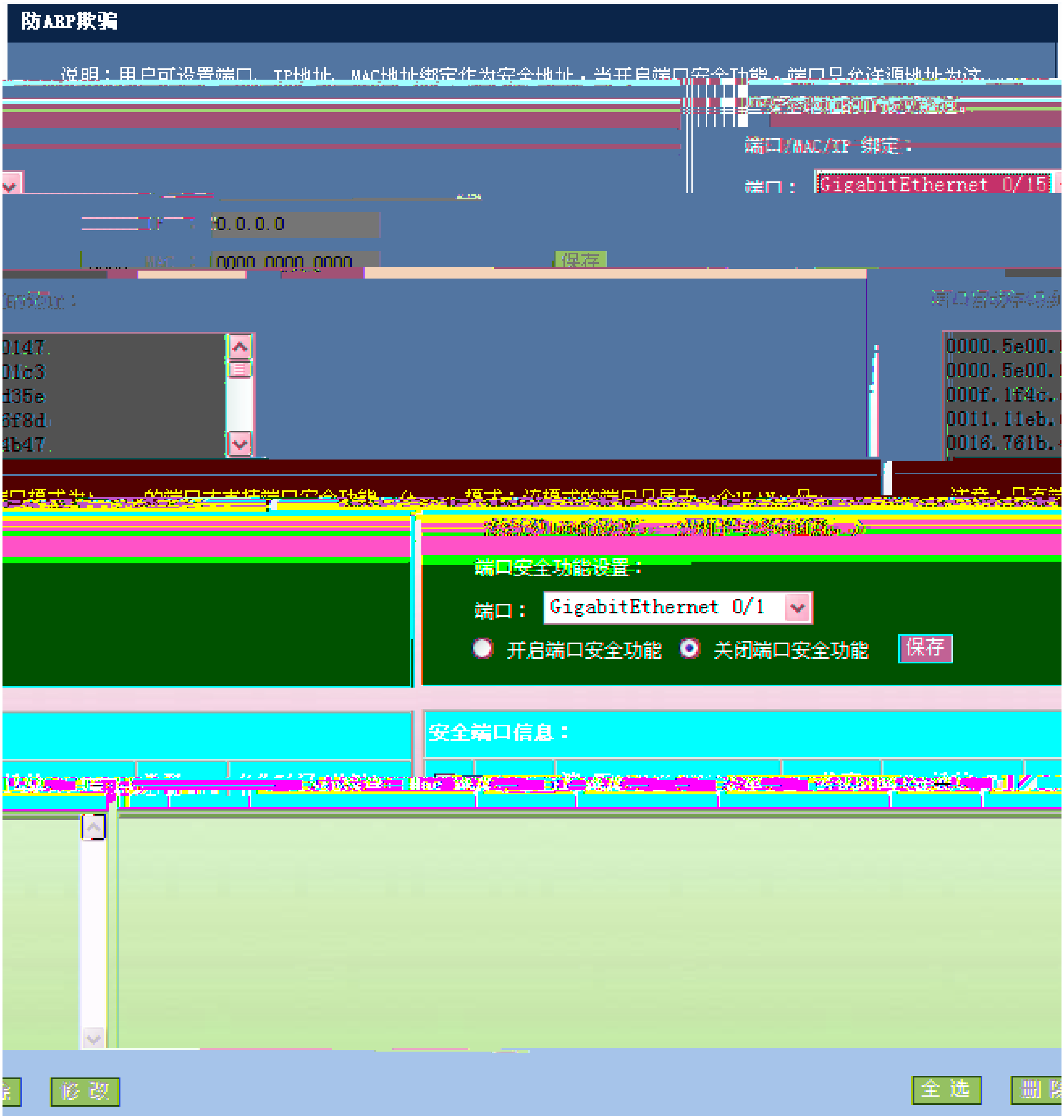
1-38 ARP

1.6.2 ARP

ARP

ARP

1-39 ARP



ₒ /MAC/IP

ₒ /MAC/IP ₒ IP ﻎ MAC U “ Ḡ ” ą
ₒ ⌈ MAC ﺾﻴﺧ ↕ Ψ ﺾﻴ ₒ ̄ ⌈ ﺾﻴﺧ ₮ ﻼﻳ GigabitEthernet 0/15
ₒ U ↓ ₮ ₒ ⌈ MAC ﺾﻴﺧ

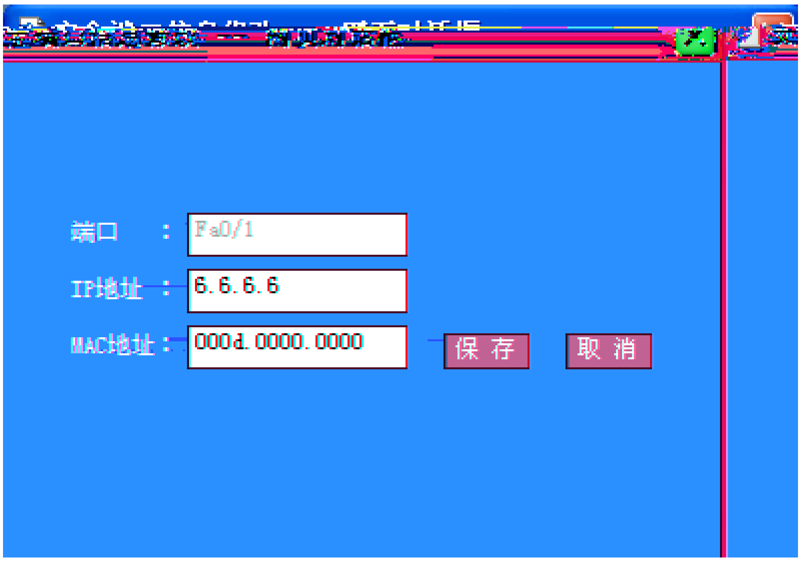
ₒ ŋ ẅ

ₒ U ₒ Ω २ ₒ ŋ ẅ ↕ Ω ₒ ŋ ẅ ﻴ Ψ ỉ ↕ ̃
ₒ ŋ ẅ ﻴ Ω २ ₒ ŋ ẅ ↕ Ψ ﺾﻴ ŋ ₒ Ḥ

ḱ ŋ ₒ Ḥ

ḱ ｏ ŋ Ḥ ḱ ｏ U “ ḱ ” Ŧ ŋ ｏ ḱ
ﭙ

ﭙ 1-40 ḱ ŋ ｏ



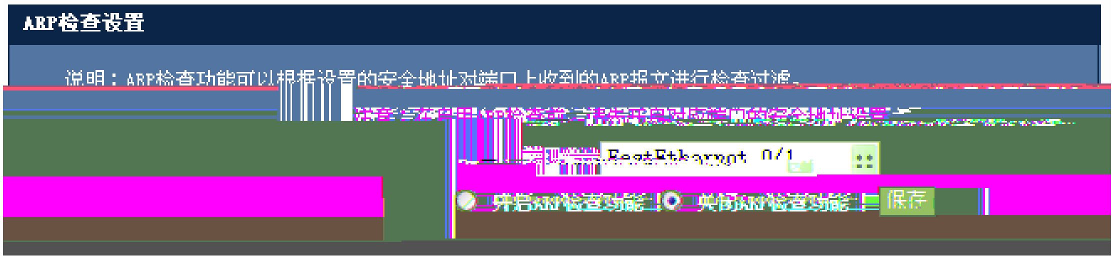
ḱ ˜ ặ U “ Ḡ ” ą ｏ ﻤﻔ ˉ ↕ ḱ U ｏ ﻤﻔ

1.6.3 APR

ꝧ “ ARP ” ą ꝡ

ARP

ﭙ 1-41 ARP



ｏ Ω ꝡ ↕ “ Ω ARP ꝡ ” ꝧ Ꞁ ↕ “ ˜ ARP ꝡ ”
ꝧ

1.6.4 ACL

ꝧ “ ACL ” ą ꝡ

ACL

ﭙ 1-42 ACL

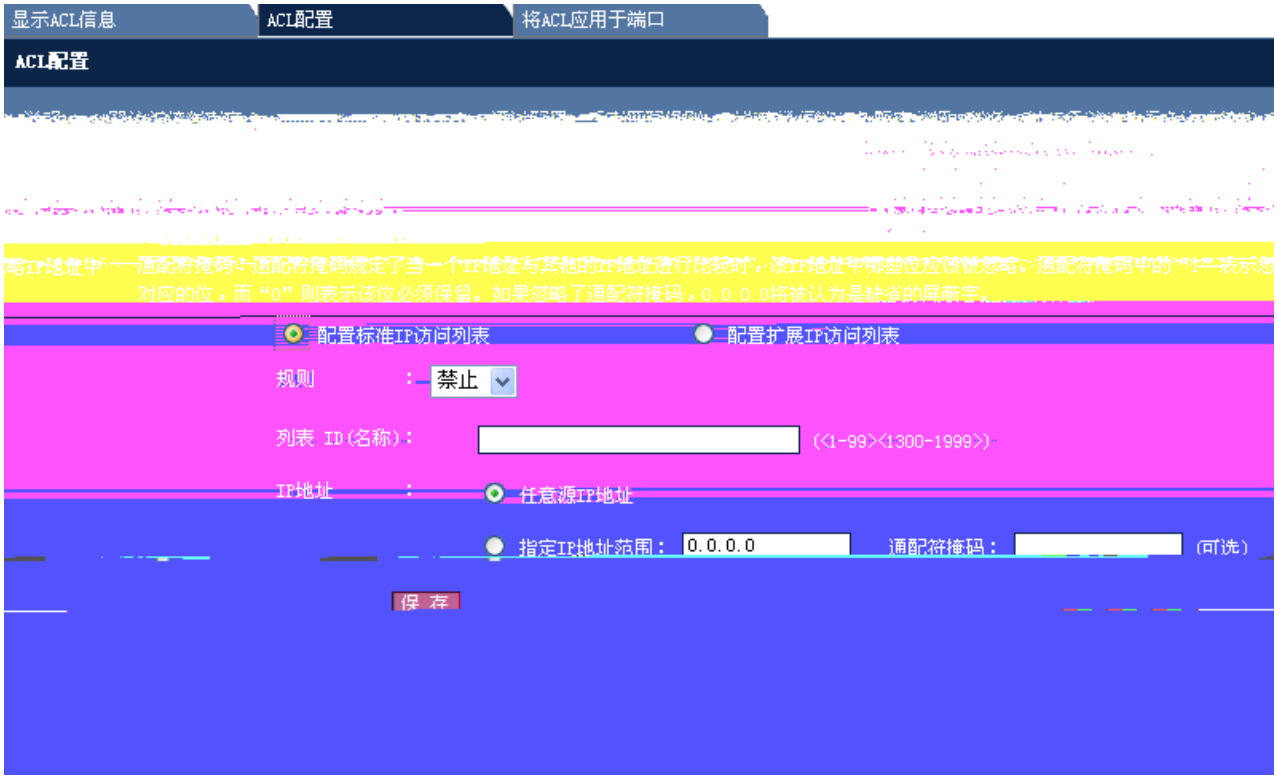
ACL

ACL Ḥ ﯾﮯ ACL Ḥ ɽ ACL ↓ ACL U Ḃ ψ ﺿﻲ
₮ ACL ACE – ACE U “ – ” ą –
ACL “ ŋ ” U ACE “ – ” ą

ACL

‰ IP ↓ Ɗρ “ ‰ IP ↓ ” ﻴ ﯾﮯ ‰ IP ↓

ﯾﮯ 1-43 ‰ IP ↓



↕ ↓ ↕ “ ” “ ” ↕

↓ ID O ~ ‰ ↓ ˆ ˆ ˆ ~ ‰ ↓ O

IP IP IP ˆ U “

” ą

IP ↓ “ IP ↓ ” IP IP ↓

1-44 IP ↓

↕ ↓ ↕ “ ” “ ” ↕

↓ ID O ~ ↓ ~ ~ ~ ↓ O

TCP UDP IP ICMP

IP IP IP

IP IP IP

ACL

PC ACL PC WEB

1.6.5 IP Source Guard

IP Source Guard

IP Source Guard IP [VLAN MAC IP PORT]

IP Source Guard DHCP Snooping DHCP Snooping IP

IP Source Guard DHCP IP

IP

IP Source Guard DHCP Snooping DHCP Snooping

“IP Source Guard”

IP Source Guard

1-46 IP Source Guard

IP Source Guard

IP+MAC “ IP+MAC ( )”

IP

MAC MAC

VLAN VLAN ID

IP IP

1-47

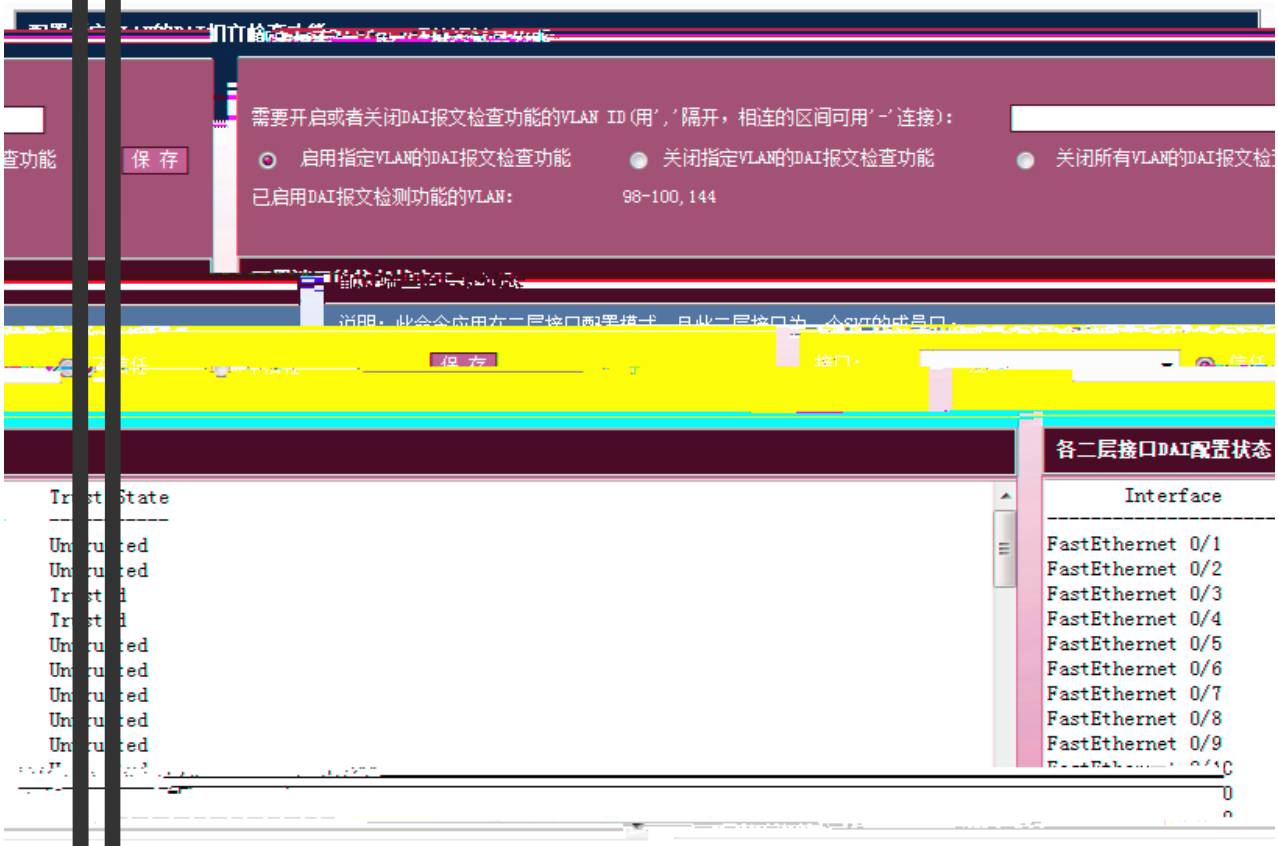
1.6.6 DAI

DAI Dynamic ARP Inspection ARP ARP arp

“ DAI ”

DAI

1-48 DAI



DAI

VLA DAI

VLAN AI w

VLAN 100 D w vlan-id 100 ARP

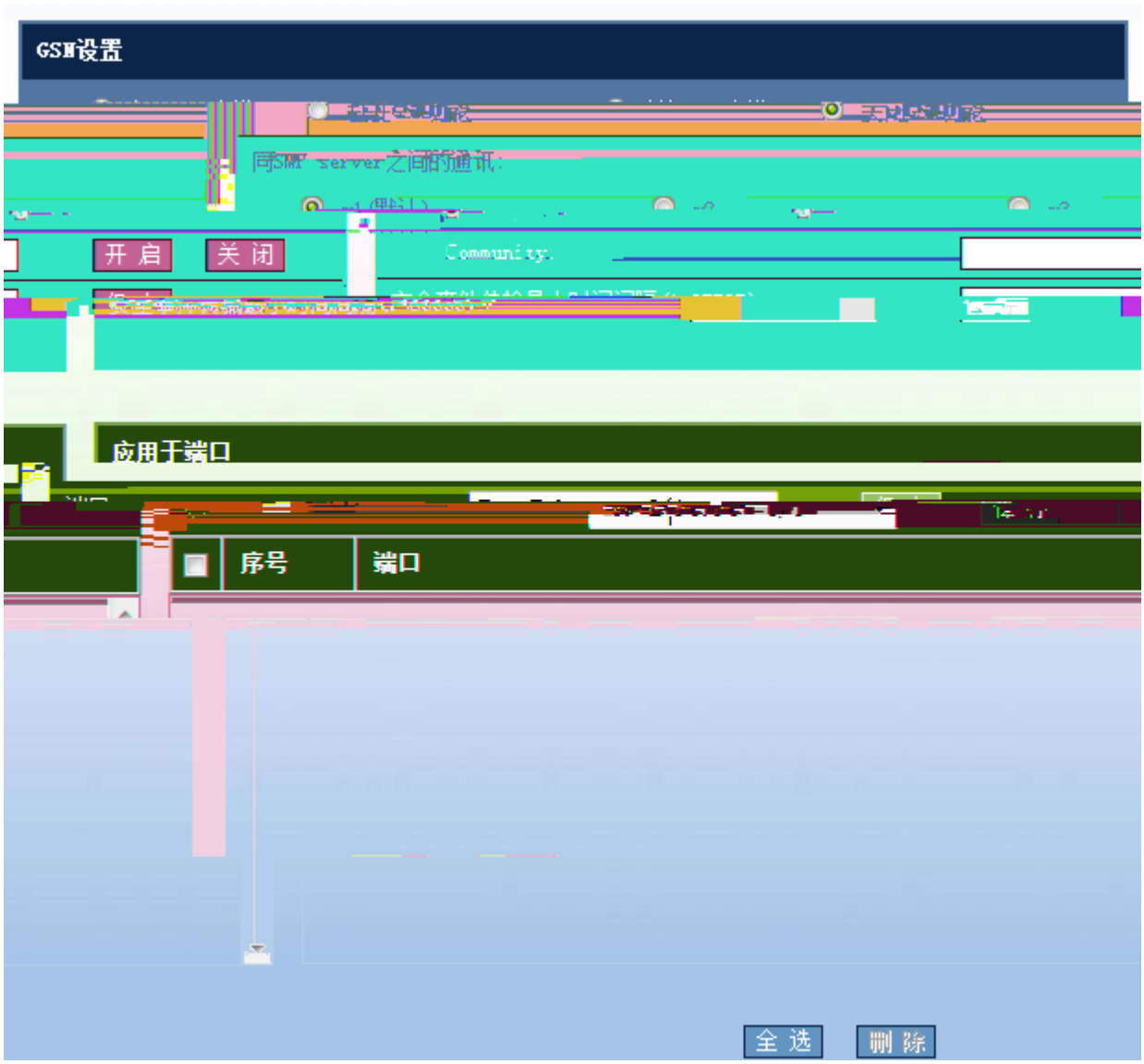
Vid K

1.6.7 GSN

“GSN”

GSN

1-49 GSN



GSN

GSN GSN GSN GSN

SMP server

SMP server v1 v2 v3 Community User

ч

arp报文接收统计信息

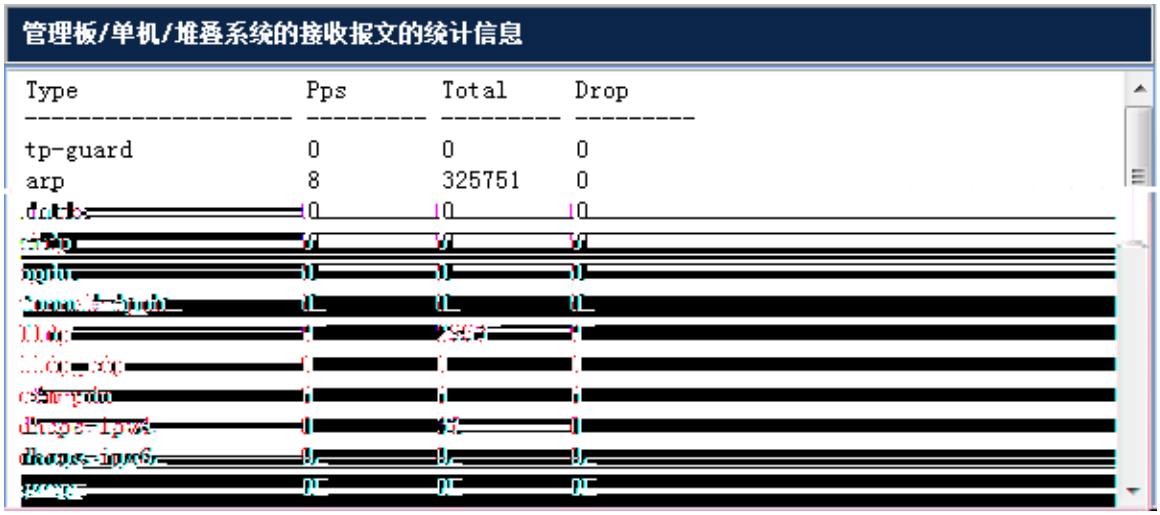
Slot	Type	Pps	Total	Drop
MainBoard	arp	10	324430	0

图 1-52 报文统计信息

各类型报文的带宽和优先级配置状态

Type	Pps	Pri
tp-guard	180	7
arp	180	5
dot1x	2000	4
rldp	180	7
rerp	180	7
erps	180	7
bpdu	180	6
tunnel-bpdu	180	6
ipv4-icmp-local	1600	6
lldp	180	5
lldp_cdp	180	5
cfm-pdu	180	5

图 1-53 协议报文速率

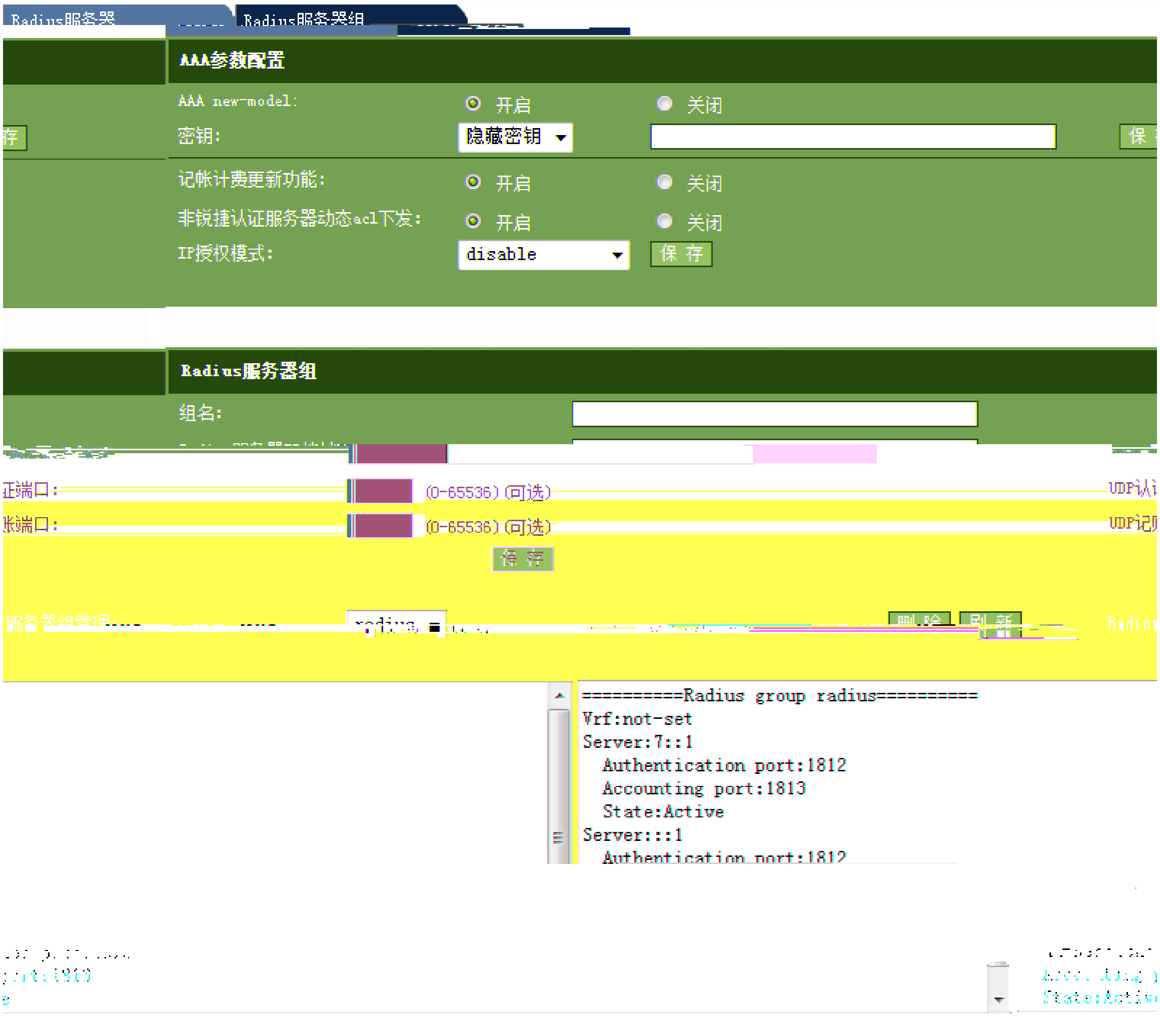


1.6.9 RADIUS

RADIUS

RADIUS

1-54 RADIUS



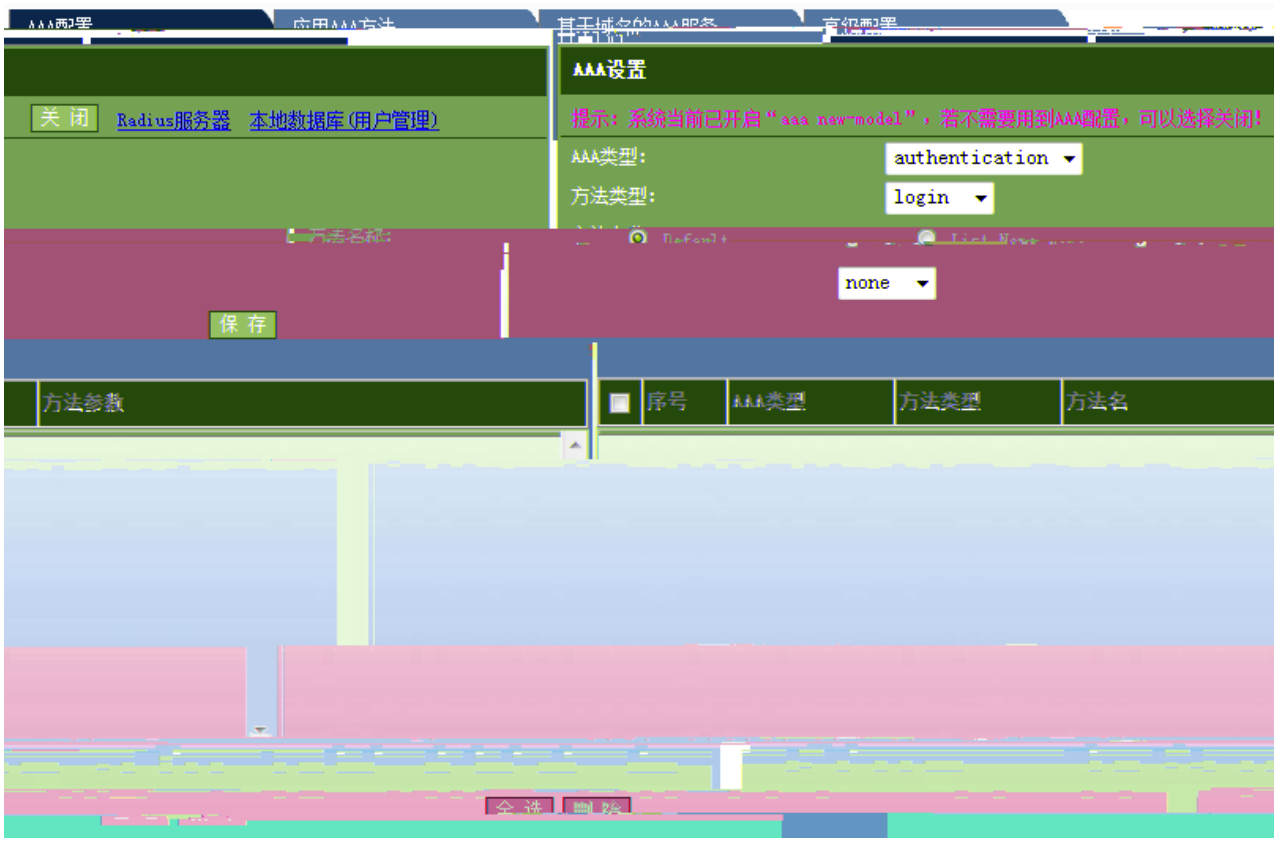
˜ ḱ ⊦ ك O ˜ ₰ ˜ RADIUS ⊦ ك IP ﻀﻴﺨ Ώ ⊦ ك ₒ ˆ ᶑ “ Ḡ ” ą ʬ U Ψ ₮ ʬ ﺽ Ώ ₒ ˆ ↕ ą ṿ ﺽ Radius ⊦ ك U – ⊦ ك ᶑ “ – ” ⊦ ك –

1.6.10 AAA

ﺑ “ AAA ” ą ʬ

AAA

ﯾﺢ 1-56 AAA



AAA

AAA authentication authorization accounting AAA login enable ppp dot1x exec command network List Name local group

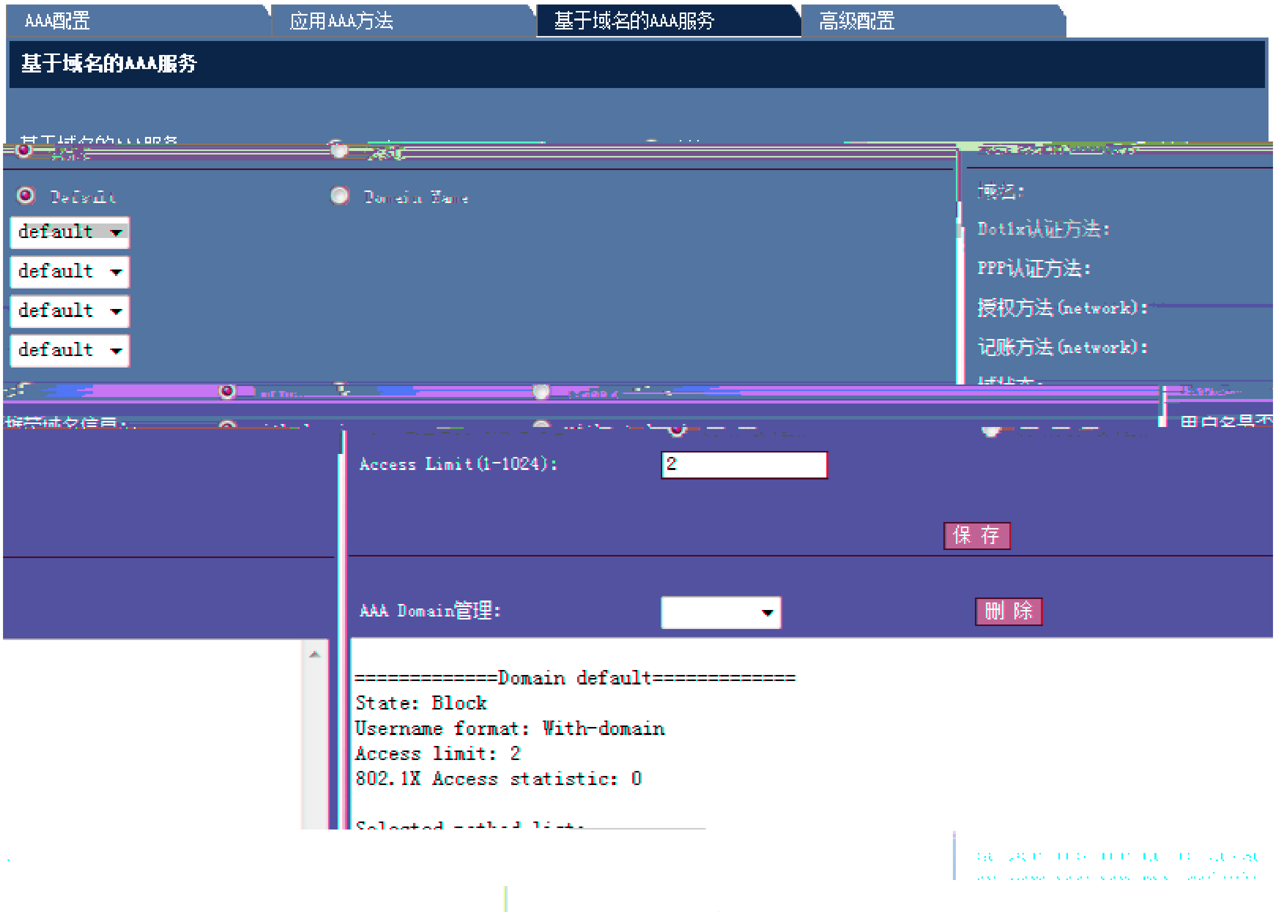
AAA

1-57 AAA

AAA U ٲ AAA U ӑ Ɗ "Ḡ " U ٲ Ɗ " " Ɗ " " U ٲ

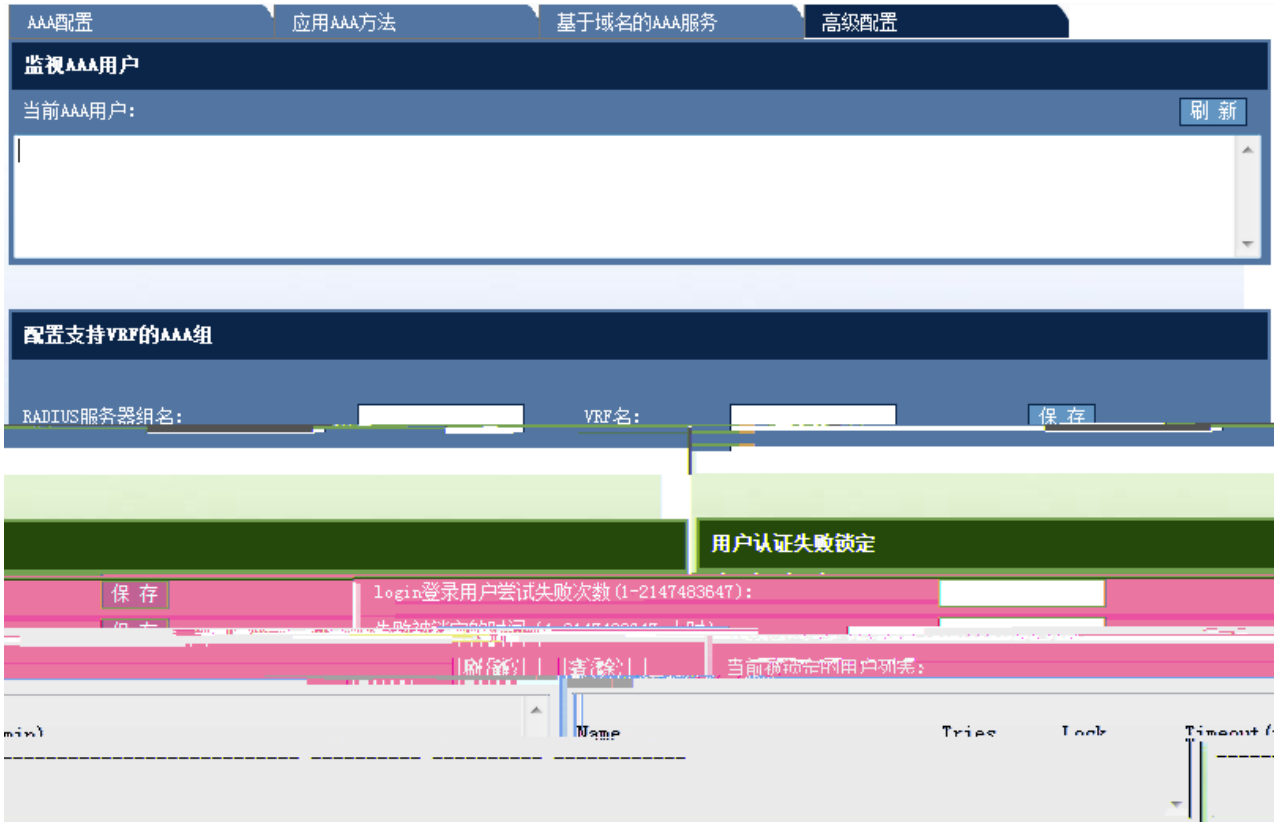
AAA

ޑ 1-58 ɢ O AAA ⊦



ὤ Ω ɢ O AAA ⊦ O ἶ Dot1x PPP (network) (network) O ᒉ O Ḥ Access Limit Ḥ U Ɗ "Ḡ " Ḥ ض

– ض AAA Dom



AAA AAA VRF AAA

1.6.11 Dot1x

“Dot1x ”

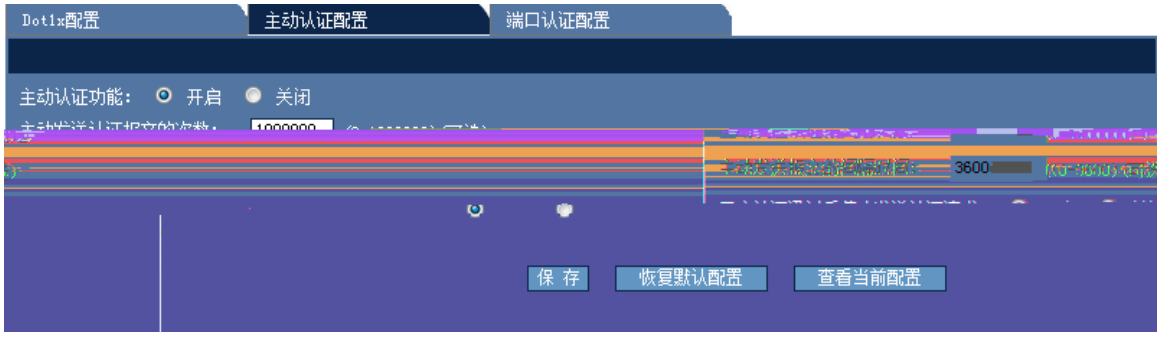
Dot1x

1-60 Dot1x

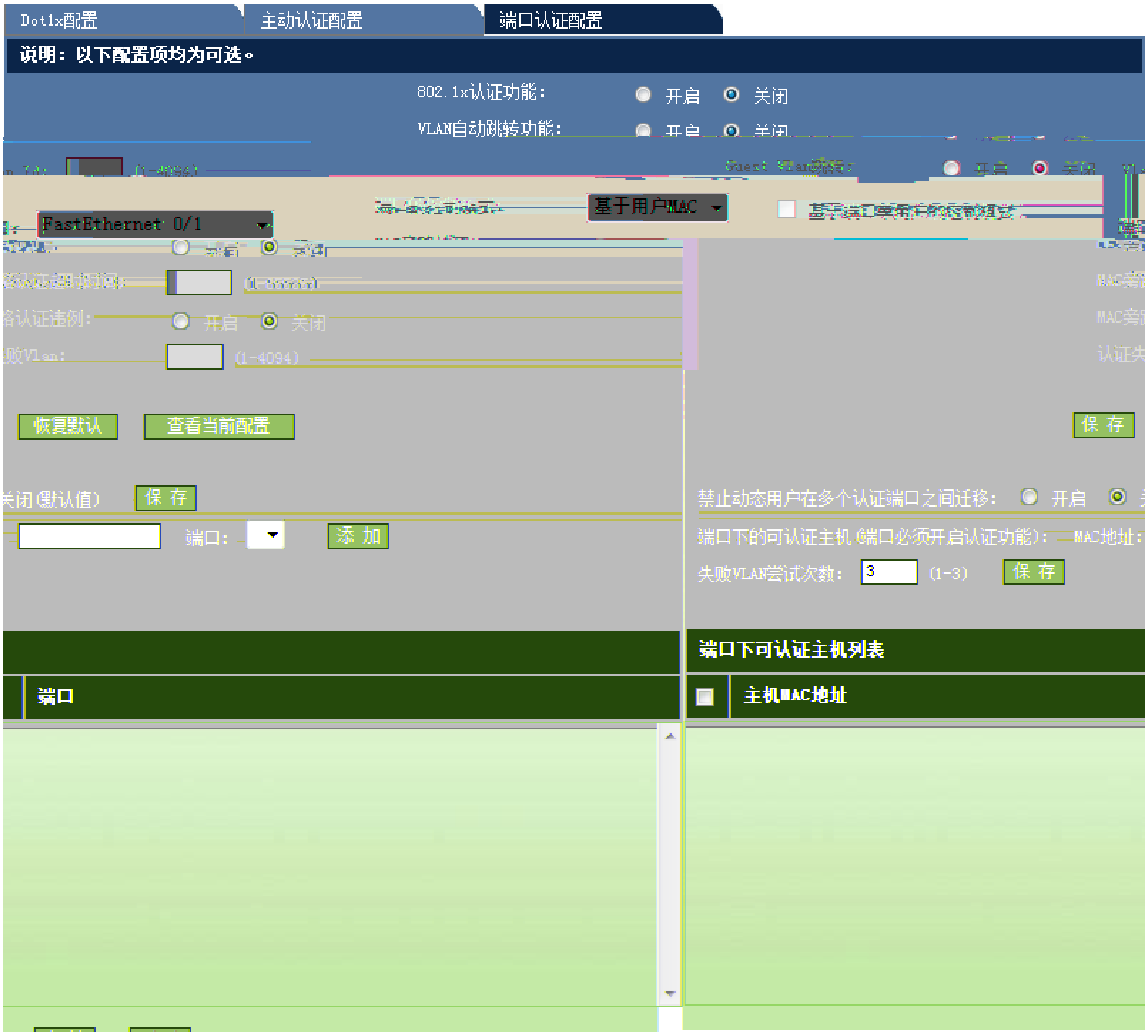
Dot1x

Dot1x

1-61



1-62 1



ο ̯ ᖍ № ɢ ο Dot1x ẃ ᛃ ẃ ̃ ᾰ

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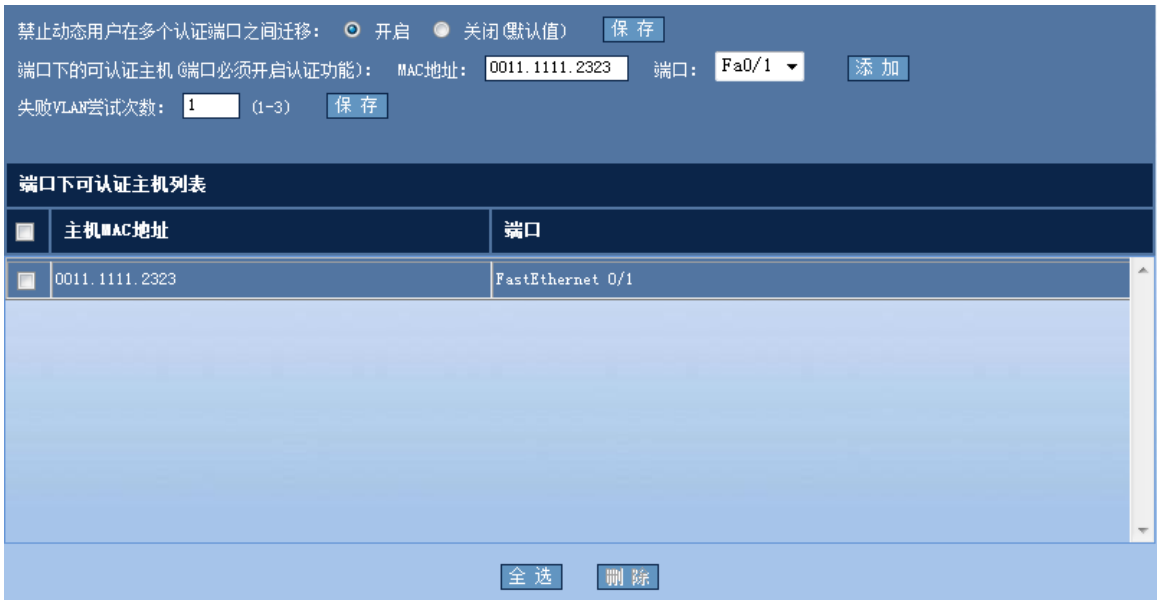
Ɗρ“ ╟ ” ᾰ ╟ ο ۷

̯ 1-63 ο 2


禁止动态用户在多个认证端口之间迁移：
开启
关闭(默认值)
保 存
端口下的可认证主机(端口必须开启认证功能)：
MAC地址：
0011.1111.2323
端口：
Fa0/1
添 加
失败VLAN尝试次数：
1
(1-3)
保 存
端口下可认证主机列表
主机MAC地址
端口
0011.1111.2323
FastEthernet 0/1
全 选
删 除

1.6.12

IP MAC

IP MAC MAC U “ ”

ARP IP MAC U “ ”

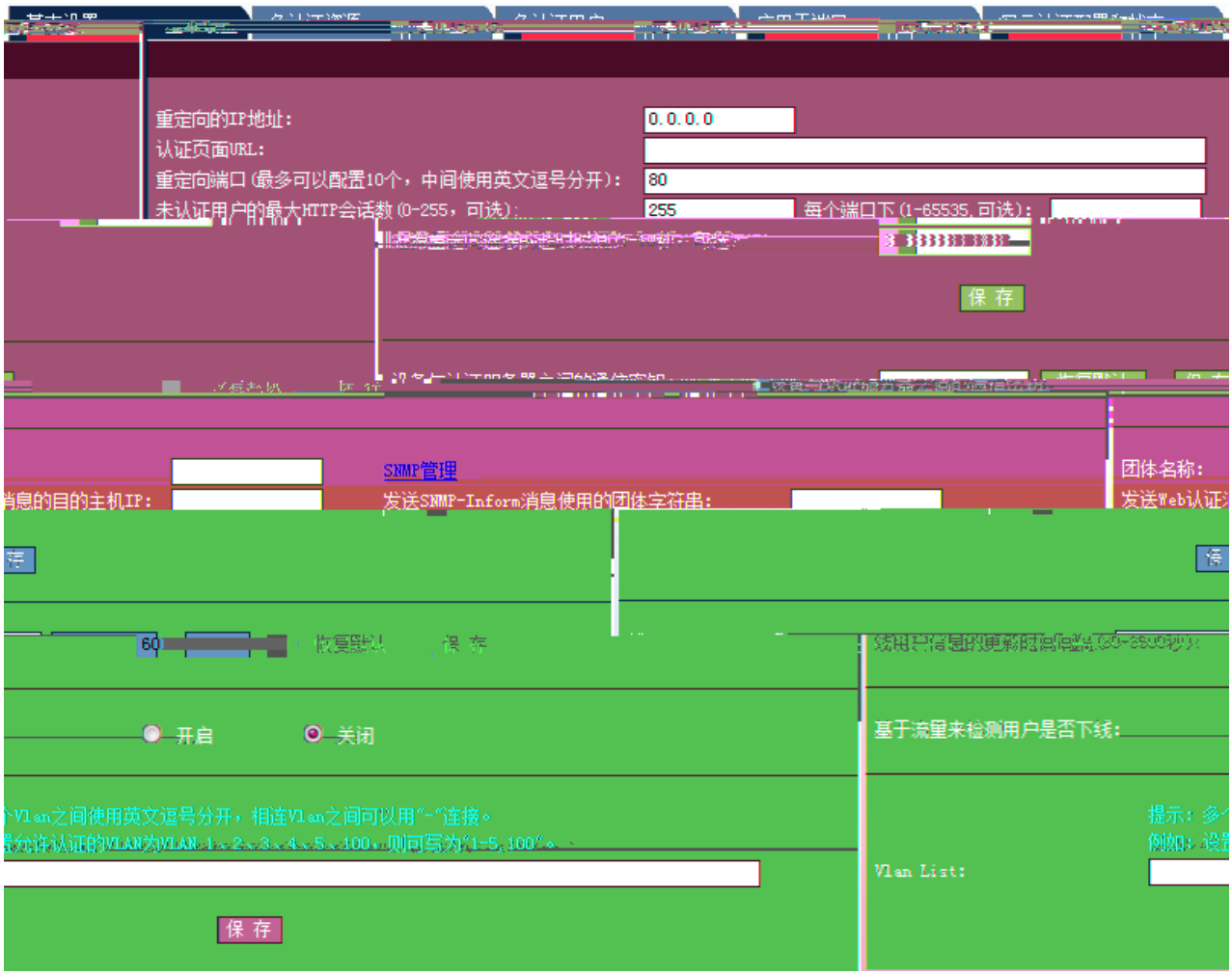
1-65 ARP

1.6.13 WEB

“ web ”

web

1-66 web



web h IP URL h HTTP (0-255) h Web IP SNMP-Inform , , Vlan List h 80

1-67


基本设置
免认证资源
免认证用户
应用于端口
显示认证配置和状态
保 存
IP:
子网掩码(可选):
ARP
序号
IP地址
子网掩码
ARP绑定
1
1.2.3.6
255.255.255.0
Off
全 选
删 除

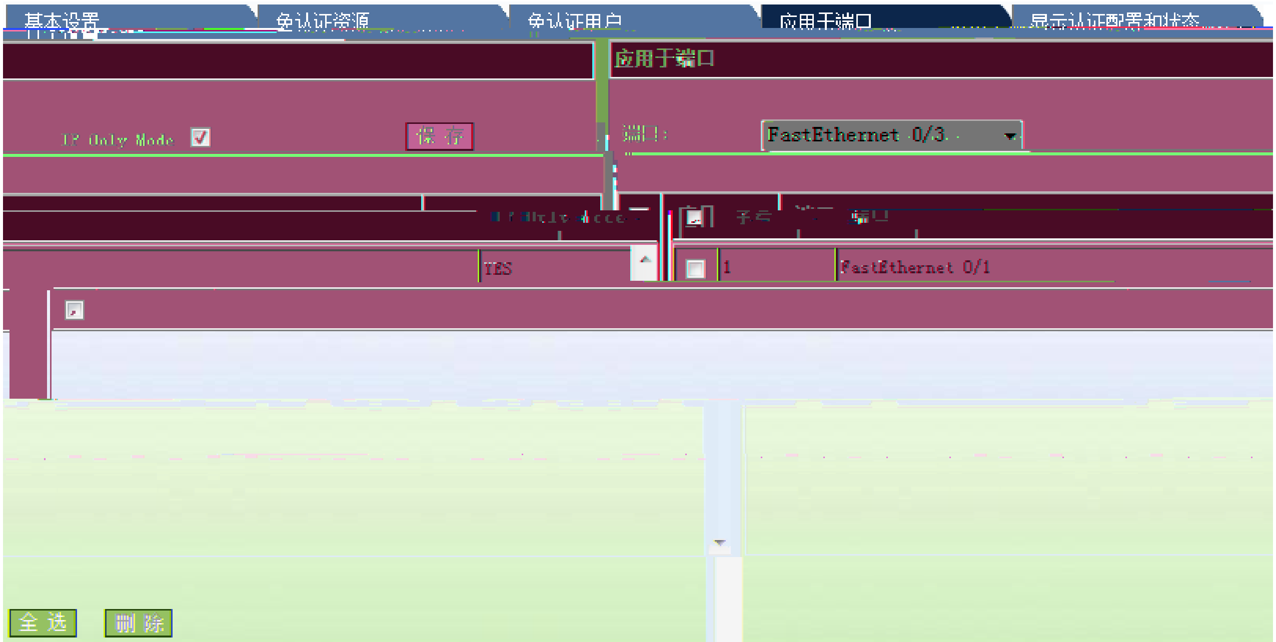
IP

1-68


基本设置
免认证资源
免认证用户
应用于端口
显示认证配置和状态
免认证用户(最大允许配置50个)
如果设置了port选项，则将用户IP与接入设备的端口进行绑定。如果接入/汇聚设备启用了ARP CHECK功能，那么需要对免认证的用户IP范围进行ARP绑定，需要配置arp关键字。
IP:
子网掩码(可选):
端口:
ARP
保 存
1
192.168.23.1
255.255.255.0
Fa0/2
全 选
删 除

IP

ﻼ 1-69 G o



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ﻼ 1-70 ﻎ

1.6.14 DHCP Snooping

“ DHCP Snooping ”

DHCP Snooping

1-71 DHCP Snooping

DHCP Snooping

ଯ DHCP Snooping ⱳ DHCP Snooping MAC ⱳ #غم Ń

DHCP Snooping Ḥ κ ₒ

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1.7 QOS

1.7.1

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ײַ 1-72 №

O غ ACL U " Ḡ " ą ⱳ U ض ₮ Ḥ − U " − " ą

1.7.2

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1.7.3

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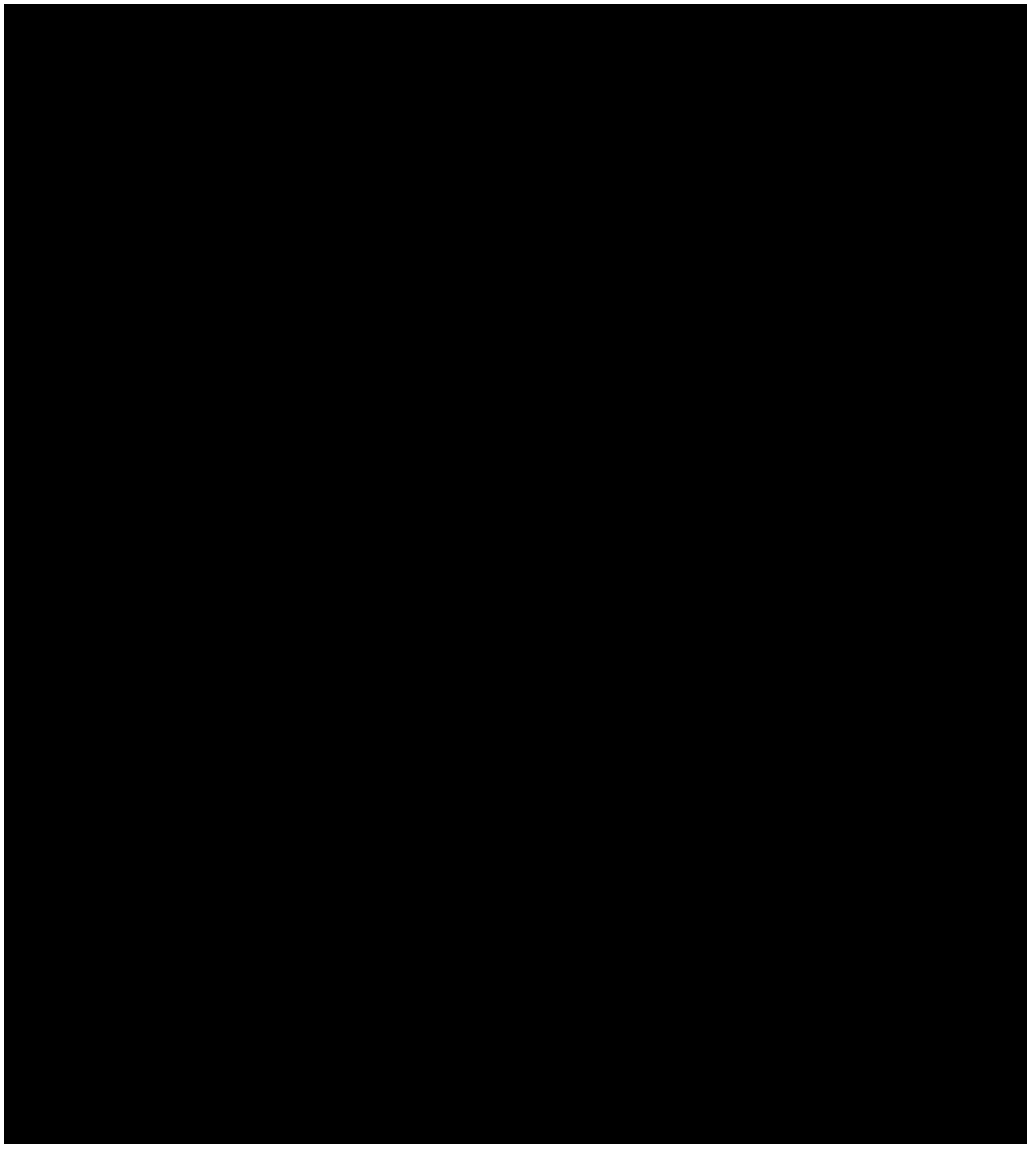
ת 1-74



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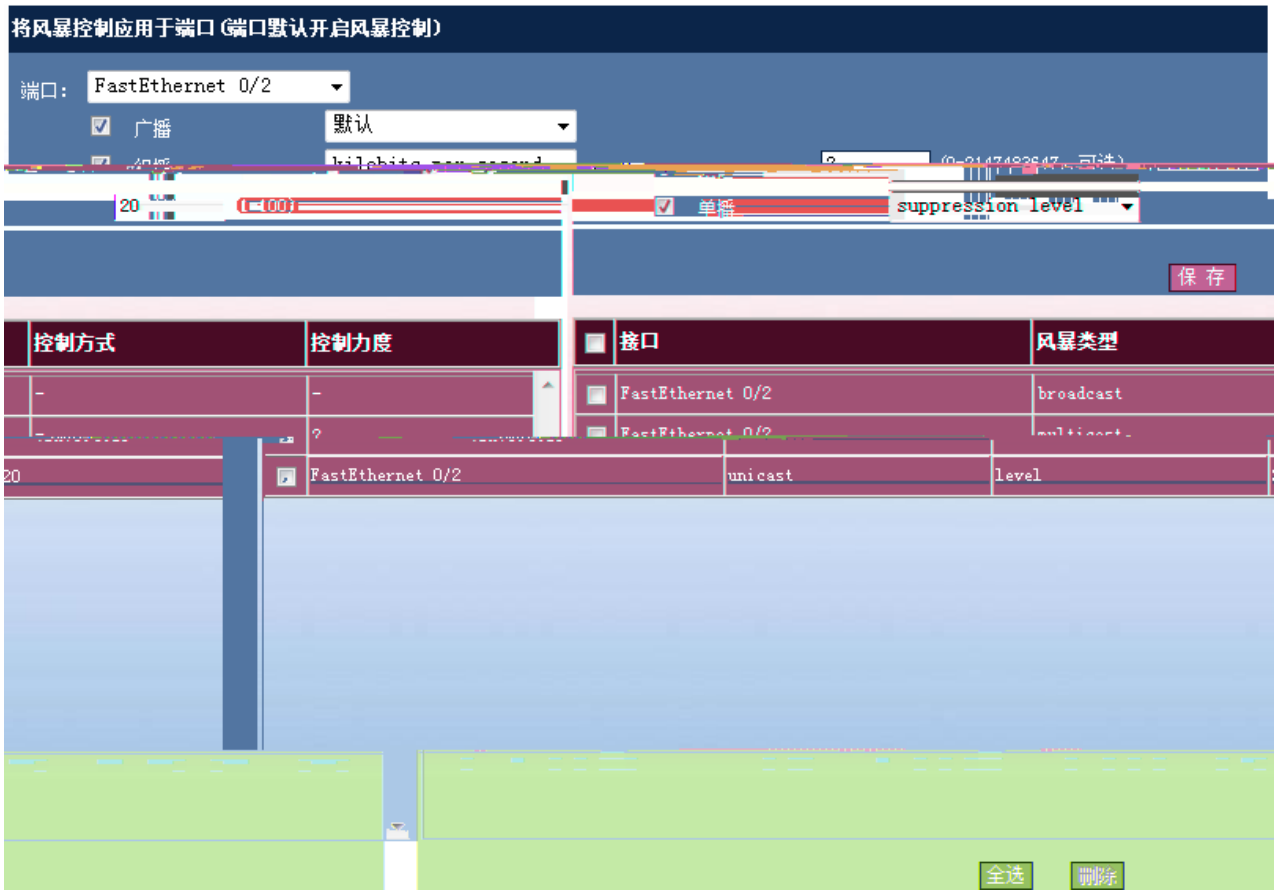
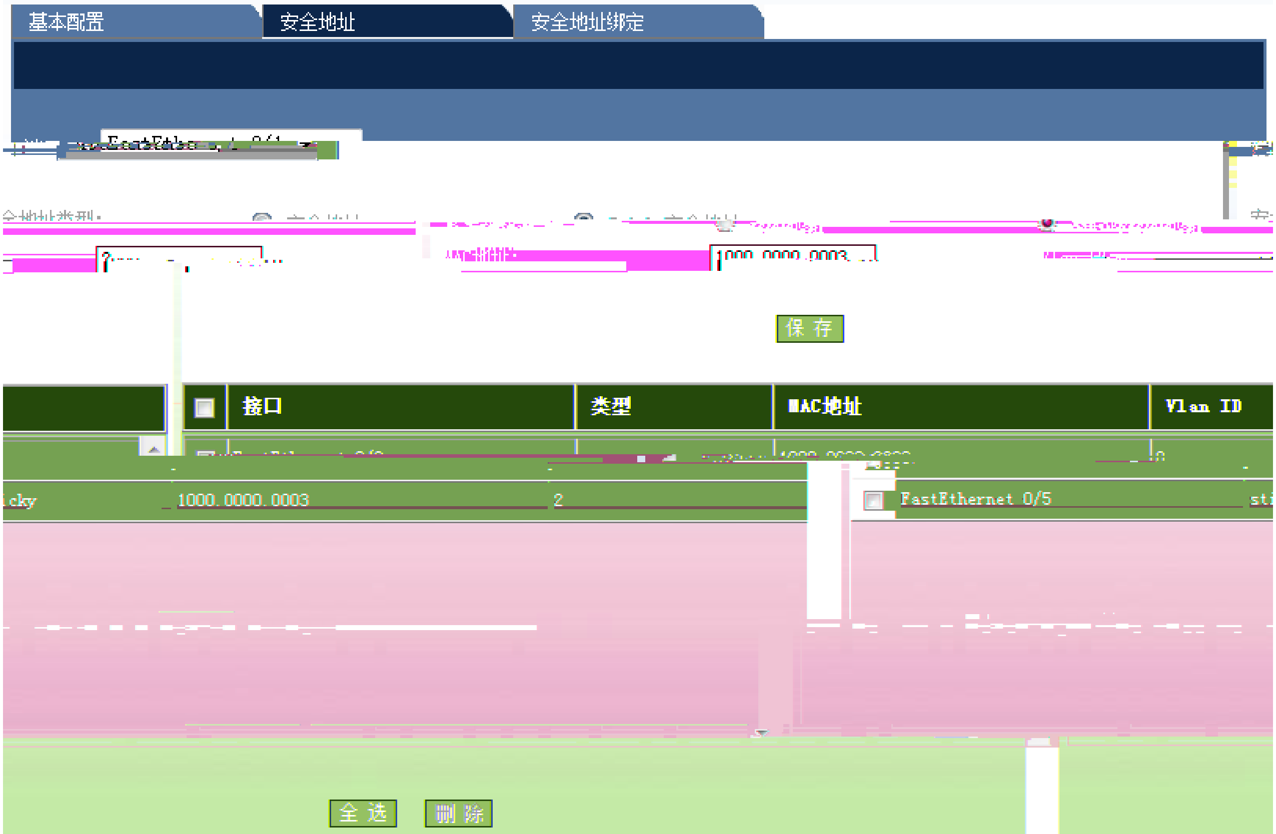
1.7.4

图 1-75



1.7.5

图 1-76



ŋ ﺧﻲ ﺿﺮ ῳ ｏ ŋ ﺧﻲ ﺿﺮ ﻓﻤﻢ ĭ Mac ﺧﻲ ﺿﺮ VLAN ID Ḥ U Ɗₚ “ Ḡ ”
ﺿﻲ – ↕ ﺿﻲ U Ɗₚ “ – ”

ŋ خيض ῷ ० IP خيض Ώ MAC ḯ Vlan ⌠ ŋ ० ↕ Mac خيض ḯ VLAN ID Ḥ ⅅ “ Ḡ ” ض ـ ↕ ض U ⅅ “ – ”

1.8

1.8.1

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ڪ 1-79 Ḥ

系统信息	
设备型号：	S2924G
主机名 ：	Ruijie
软件版本：	RGOS 10.2(4), Release(55222),Web Version:10.2.55222
硬件版本：	1.0
MAC地址 ：	00d0f8f80fc4

1.8.2

“ ”

1-80

当前配置

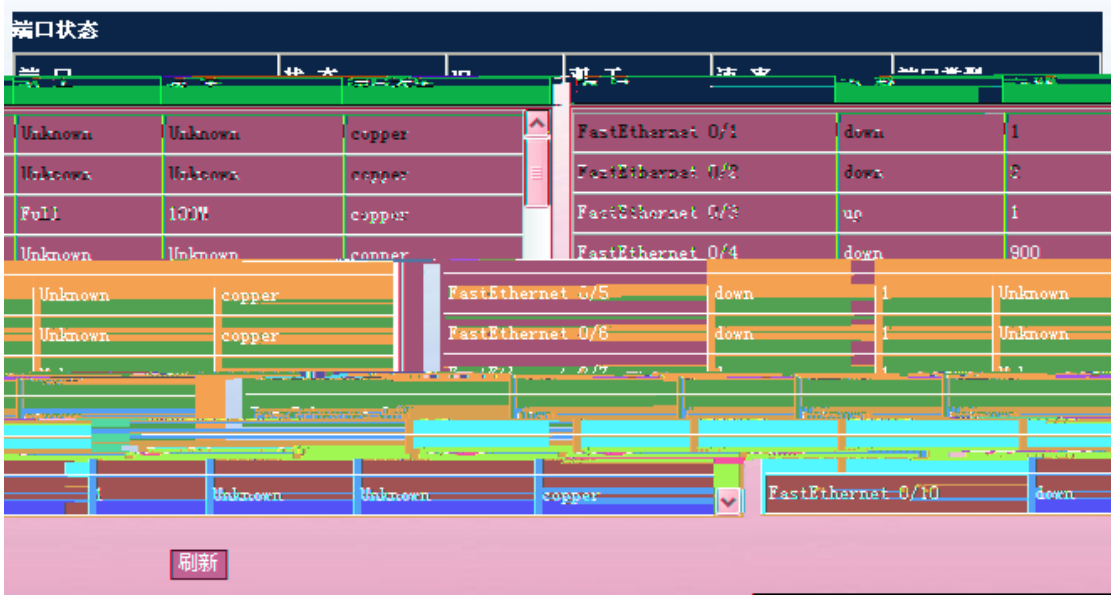
```
Building configuration...
Current configuration : 12931 bytes
!
version RGNOS 10.2.00(3), Release(30355)(Tue Mar 11 19:23:0
23195A44470348C)
!
!
!
vlan 1
 name vlan1
!
vlan 2
!
vlan 3
!
vlan 4
!
vlan 5
!
vlan 6
!
vlan 7
```

4 2008 -

1.8.3

“ ”

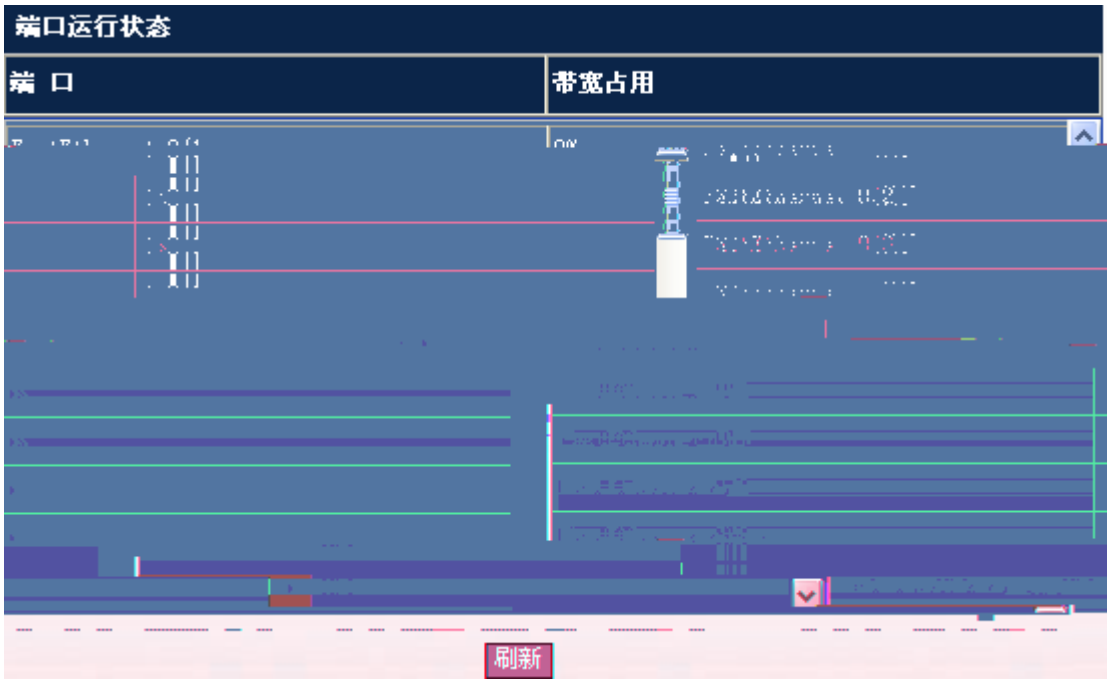
1-81



1.8.4

“ ” WEB

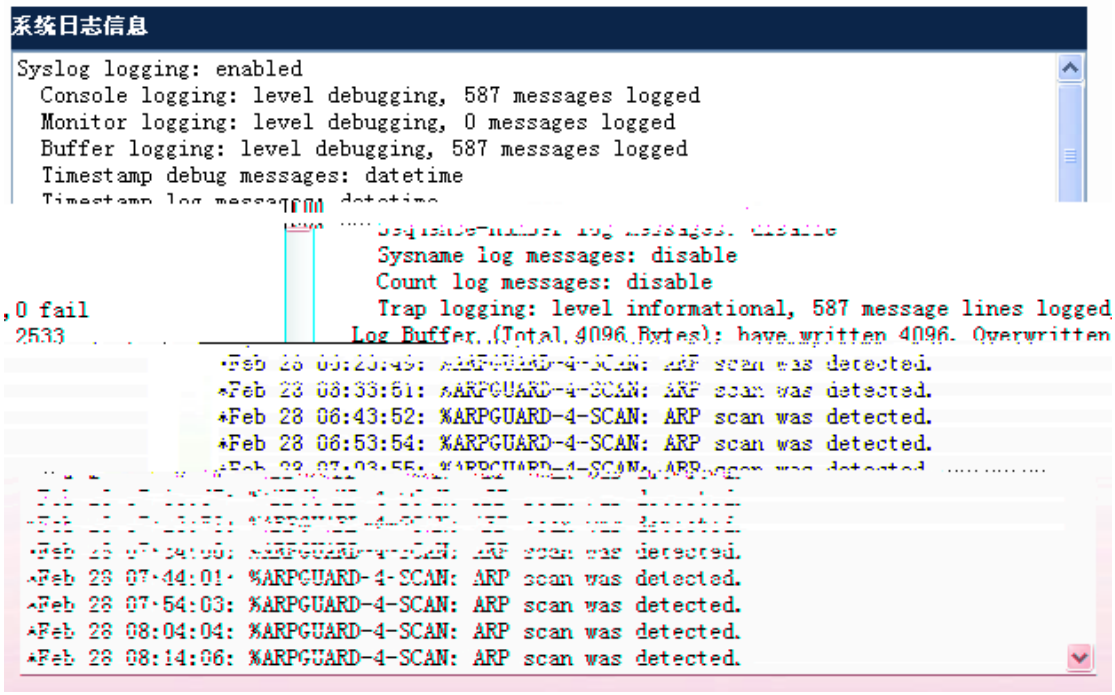
1-82



1.8.5

“ ” WEB

1-83



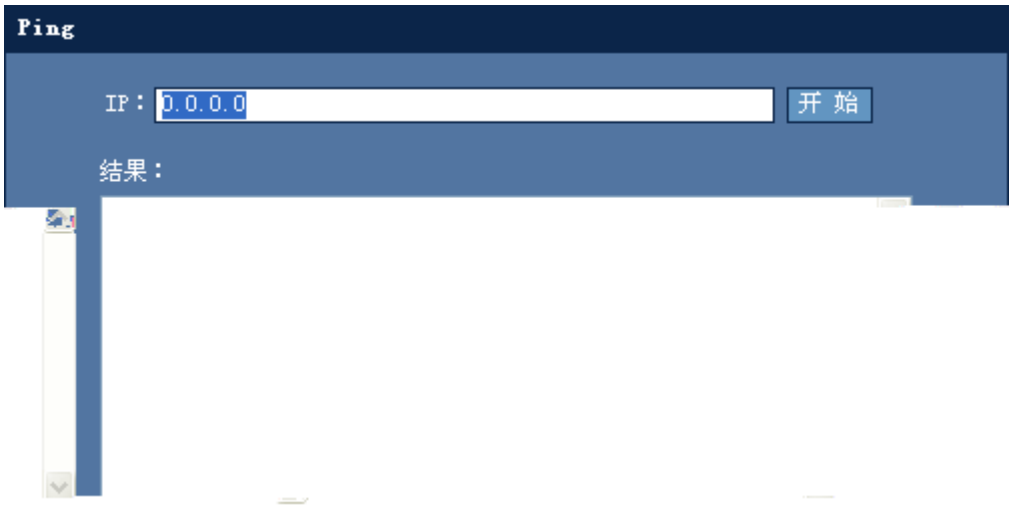
1.9

1.9.1 Ping

“Ping”

Ping

1-85 Ping

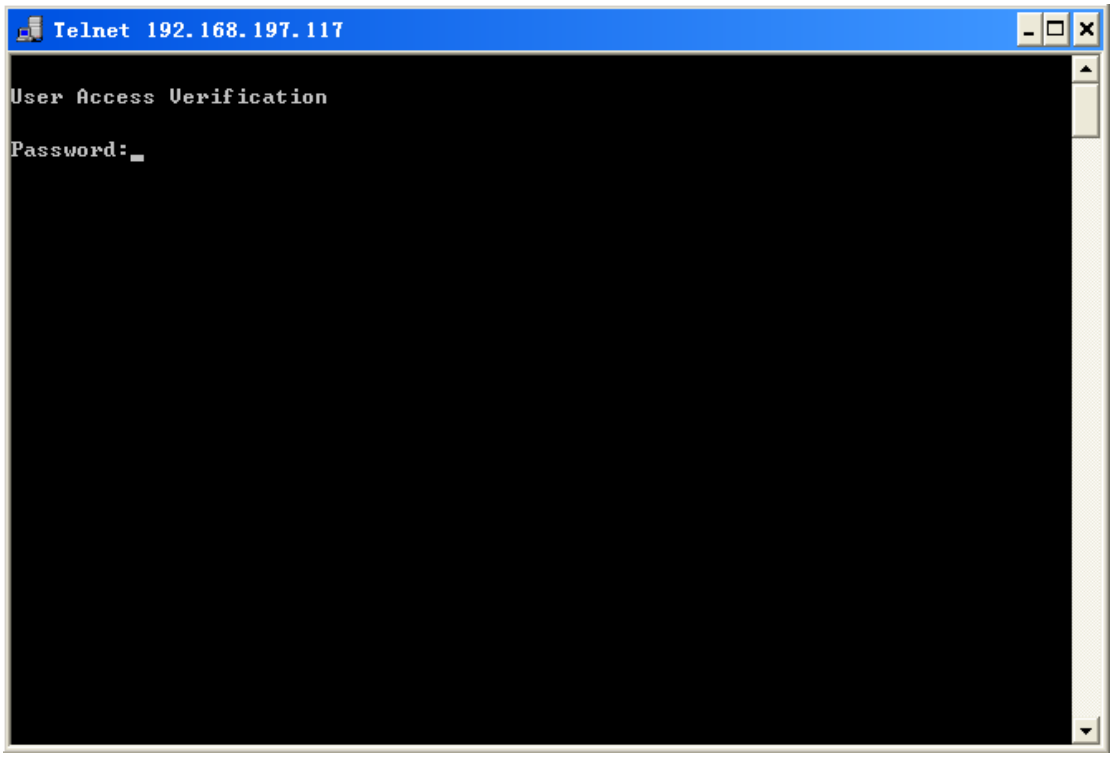


1.9.2 Telnet

ч “ Telnet ” ą w

Telnet

ъ 1-86 Telnet



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1.9.3

ч “ ” ą w

ъ 1-87

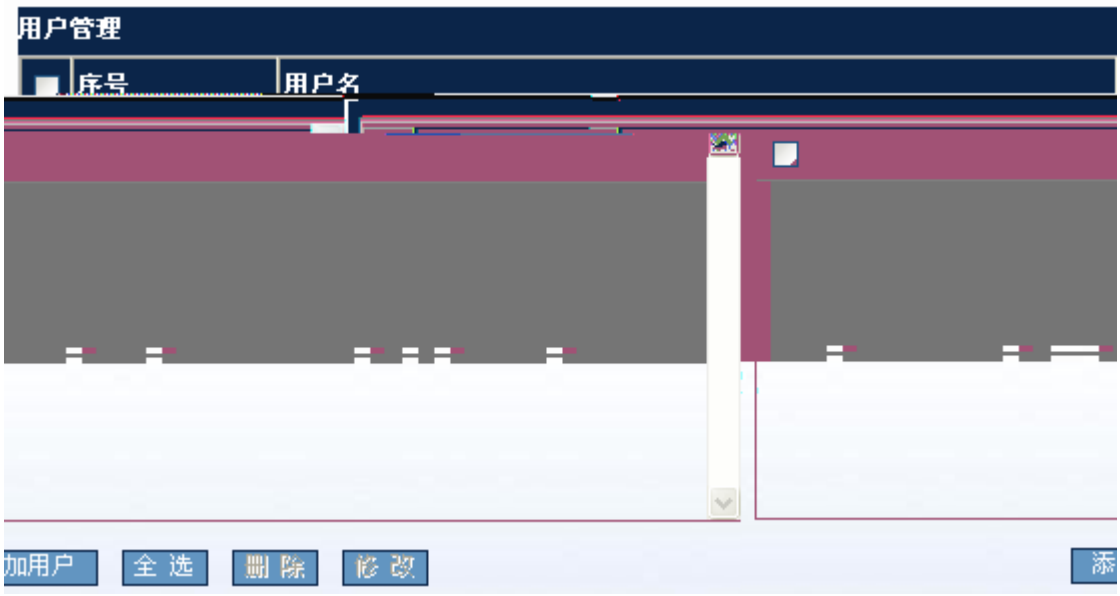
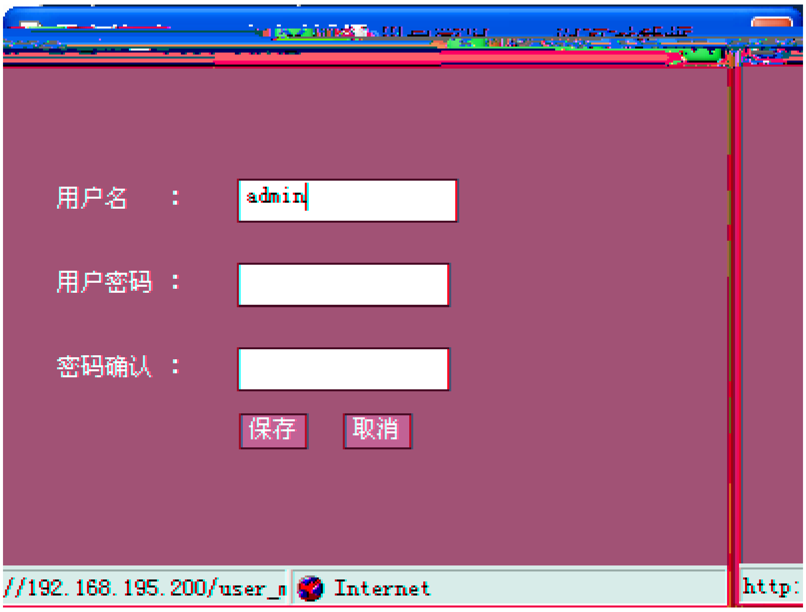


图 1-88

图 1-89



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1.9.4

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ḱ Enableｏ ԁ

ḱ Enableｏ ԁ ˜ ｏ ԁ U “ Ḡ ” ą Ŧ

ⷪ 1-91

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ḱ Telnet ｏ ԁ

ḱ Telnetｏ ԁ ˜ ｏ ԁ U “ Ḡ ” ą

1.9.5 /

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ⷪ 1-92 ˜/ Ŧ

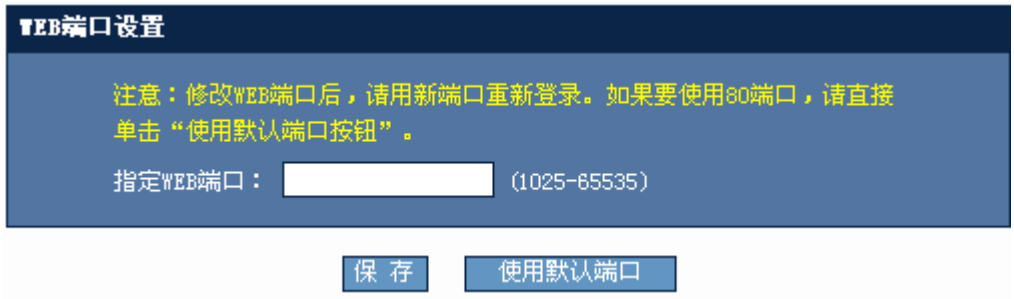
config.text TFTP IP TFTP “ ”
config.text TFTP “ ” TFTP

1.9.6 WEB

“WEB ”

WEB

1-93 WEB



“ ” 8080
IP 192.168.1.1 http://192.168.1.1:8080 “ ”
http://192.168.1.1

WEB Local Enable WEB WEB

Local

˜ config

```
Ruijie#configure
Enter configuration commands, one per line.  End with CNTL/Z.
```

WEB

```
Ruijie(config)#enable service web-server
```

WEB Local

```
Ruijie(config)#ip http authentication local
```

O 15

```
Ruijie(config)#username admin password admin
Ruijie(config)#username admin privilege 15
```

IP

```
Ruijie(config)#interface vlan 1
Ruijie(config-if-VLAN 1)#ip address 192.168.100.1 255.255.255.0
```

Enable

˜ config

```
Ruijie#configure
Enter configuration commands, one per line.  End with CNTL/Z.
```

WEB

```
Ruijie(config)#enable service web-server
```

WEB Enable U

```
Ruijie(config)#ip http authentication enable
```

Enable

```
Ruijie(config)#enable password admin
```

IP

```
Ruijie(config)#interface vlan 1
Ruijie(config-if-VLAN 1)#ip address 192.168.100.1 255.255.255.0
```

Local

```
Ruijie(config)#show running-config
Building configuration...
Current configuration : 2014 bytes
!
version RGOS 10.2(4), Release(55435)(Wed May 13 11:50:07 CST 2009 -ngcf32)
vlan 1
username admin password admin      //WEB             O
username admin privilege 15          //WEB               15
no service password-encryption
ip http authentication local           //WEB       local
!
enable service web-server           //   Ω WEB   Ⱶ
!
!
interface VLAN 1
 ip address 192.168.100.1 255.255.255.0   //         IP
 no shutdown
!
!
line con 0
line vty 0 4
 login
!
!
end
```

Enable

```
Ruijie(config)#show running-config
Building configuration...
Current configuration : 2014 bytes
!
version RGOS 10.2(4), Release(55435)(Wed May 13 11:50:07 CST 2009 -ngcf32)
vlan 1
```

```
 no shutdown
!
!
line con 0
line vty 0 4
 login
!
!
end
```