WEB

RG-AS3GT

RGOS 10.4(3b16)p5

V1.0

Ruijie Networks　Ruijie 锐捷网络　锐捷网络　Ruijie

锐捷网络®　Ruijie®　RGOS　RGNOS®

实达网络锐捷　Red-Giant®　Red-Giant锐捷®　锐捷®

RGOS 10.4 (3b16)p5

2

2

2

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

http://webchat.ruijie.com.cn

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

7 × 24 4008-111-000

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

service@ruijie.com.cn

1)

[ ] [ ] № ضيثפ ̃

{ x | y | ... } ɾ ǚ

[x | y | ...] ɾ ǚ

// ἳ

2) ٳ

ӥ ٳ ضي ƀ ≢ ضر

3)

΄Ύ ם № ₒ قمم ̃ ƀ ٳ ج ₒ قمم

΄Ύ № ם Ḥ ̃ Ϲ ἳ ج ↓ ṗ ج قمم ΐ r Ḥ ү ą Ḥ ‰

΄Ύ ἳ کح ἳ کح ج يح ٦ ъ کح ү ἳ ъ ٧

1 WEB

1.1 WEB

WEB IE

1-1

U “ ” O

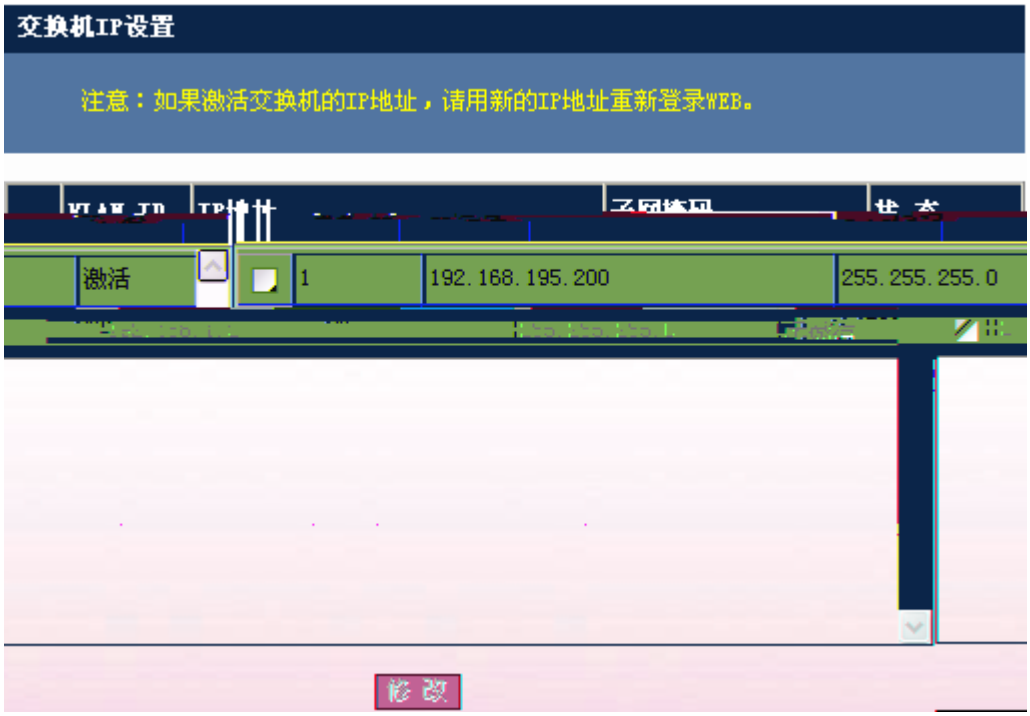
1-2

U ~ WEB

1-3 WEB

1.5

1.5.1



ḱ ḱ ´ ip “ ḱ ” U ₮

ᵶ 1-5´ IP ḱ

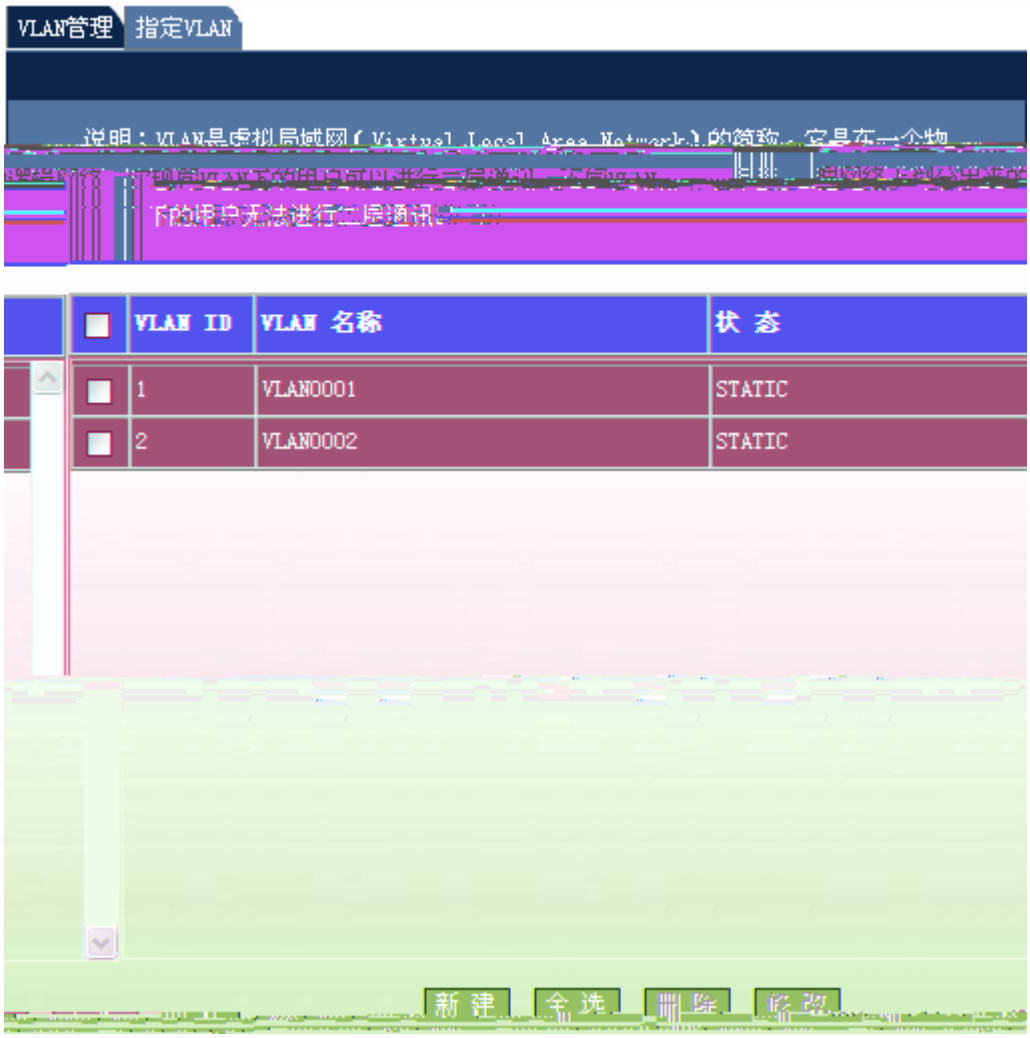
ˆ ɣ IP ضي ă ḱ ḱ U “ Ḡ ” ą

1.5.2 VLAN

ɣ “ VLAN ” ą w

VLAN

1-6 VLAN

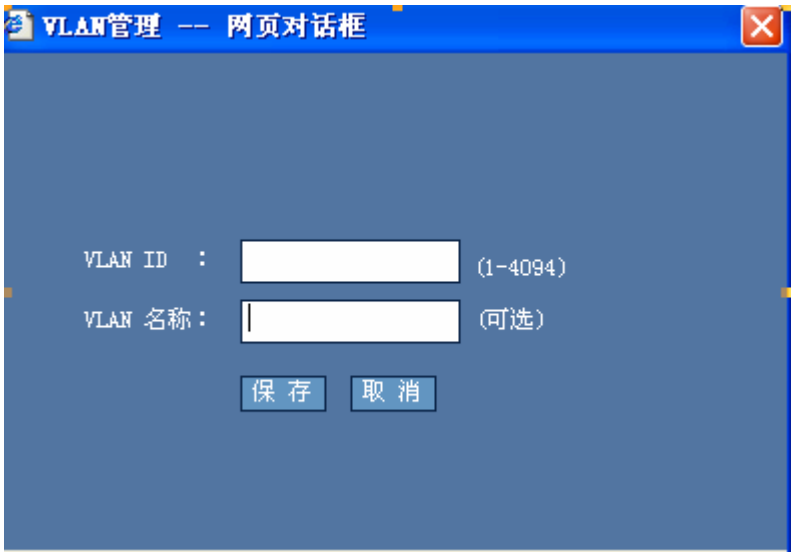


VLAN

VLAN VLAN VLAN VLAN

“ ”

1-7 VLAN

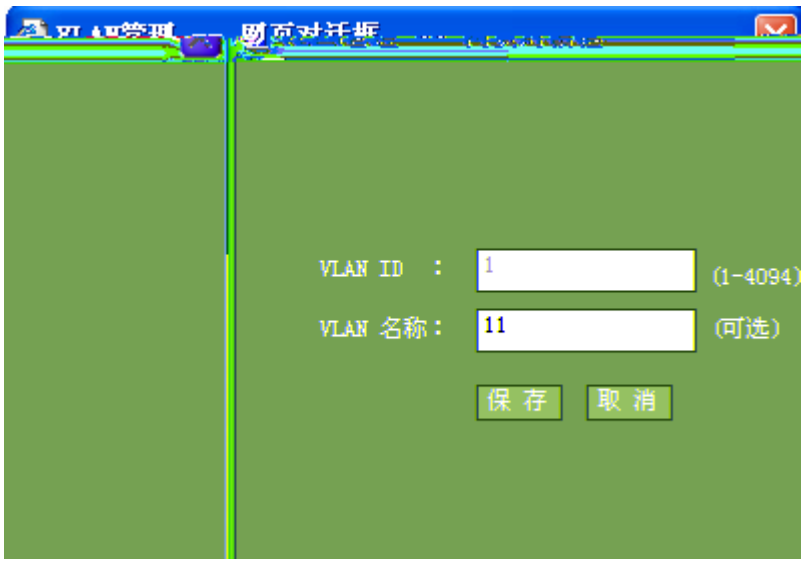


VLAN ID VLAN U “ ” VLAN VLAN

– – VLAN U “ – ”

VLAN U “ ” VLAN

1-8 VLAN



VLAN U “ ” VLAN

VLAN

1-9 VLAN

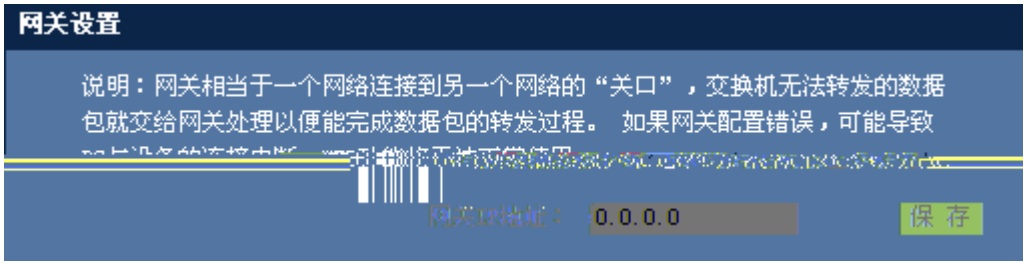
o ė VLAN ID o U “ Ḡ ” ą

1.5.3

ㅓ “ ᵀ ”ą w w ´

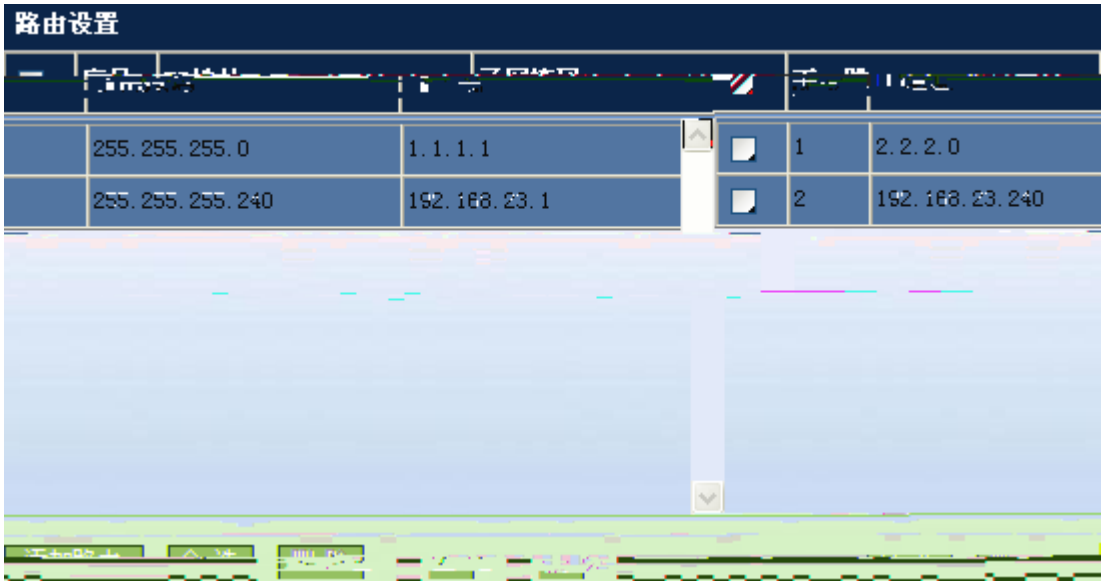
ᵀ

ᵡ 1-10 ᵀ

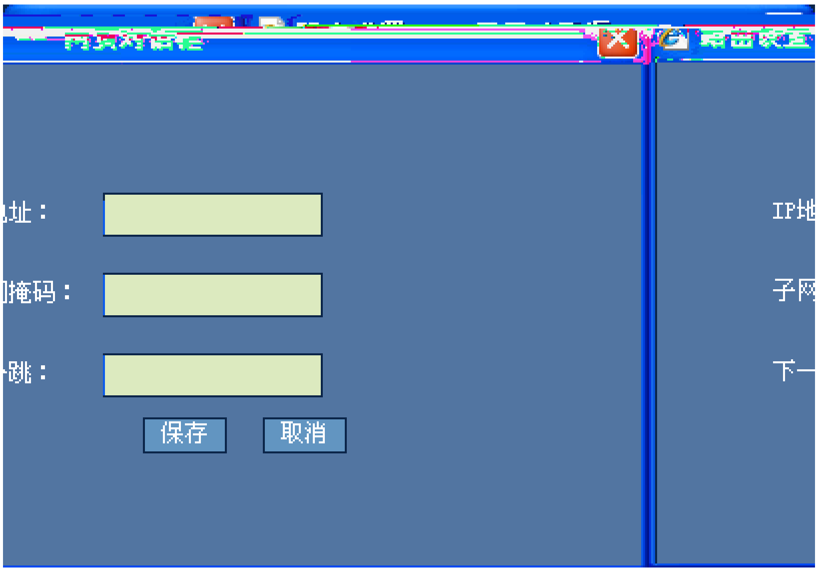

网关设置
说明：网关相当于一个网络连接到另一个网络的“关口”，交换机无法转发的数据
包就交给网关处理以便能完成数据包的转发过程。 如果网关配置错误，可能导致
0.0.0.0
保 存

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 w̃ U ৼ ﺿﻲ

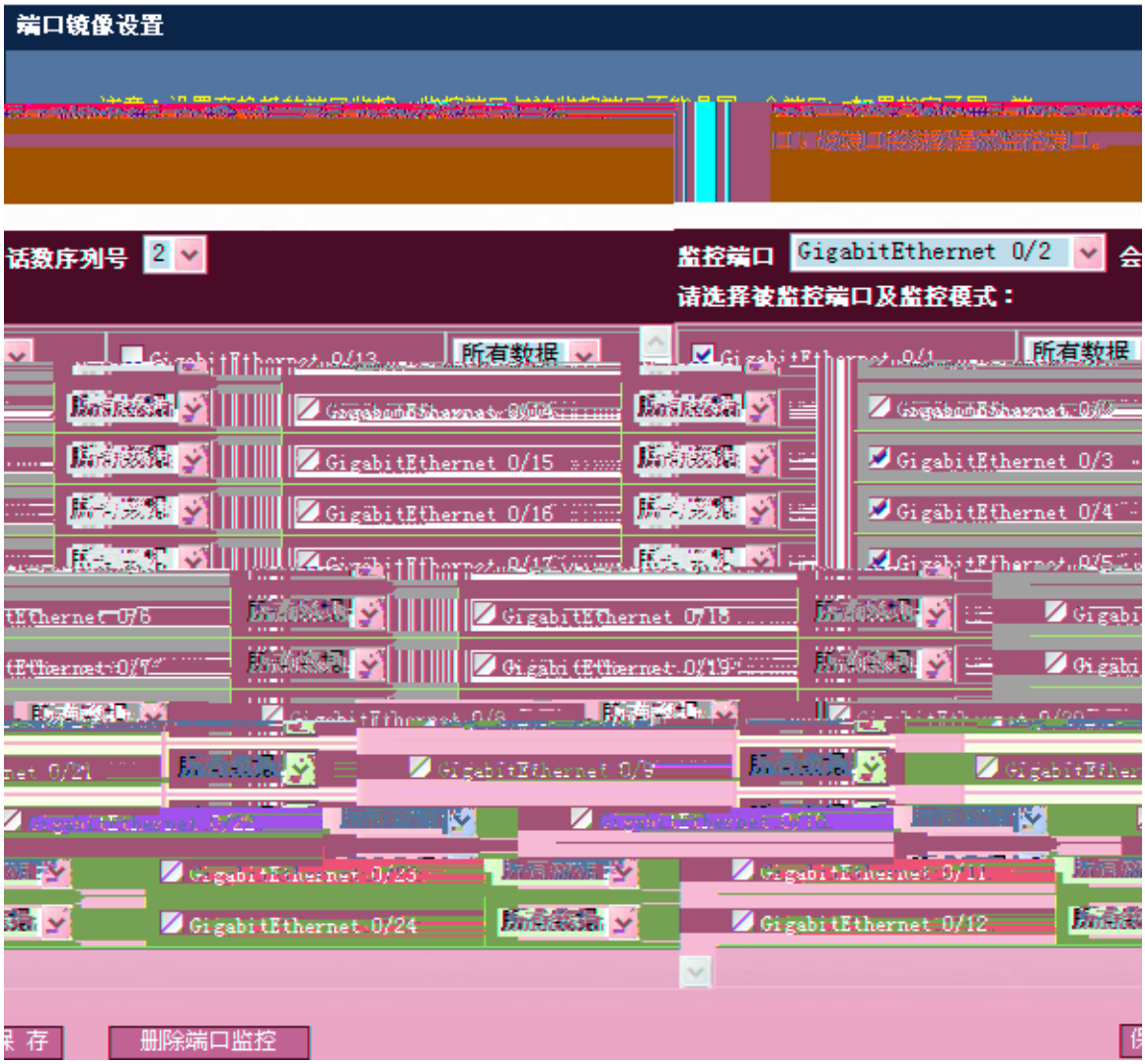
– – “ – ” –

1.5.5

ﻳ “ ｏ ˝E ” ą w̃

ｏ ˝E

ﻳﺤ 1-13 ｏ ˝E


端口镜像设置
话数序列号
2
监控端口
GigabitEthernet 0/2
请选择被监控端口及监控模式：
所有数据
GigabitEthernet 0/15
GigabitEthernet 0/16
GigabitEthernet 0/3
GigabitEthernet 0/4
GigabitEthernet 0/24
GigabitEthernet 0/12
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

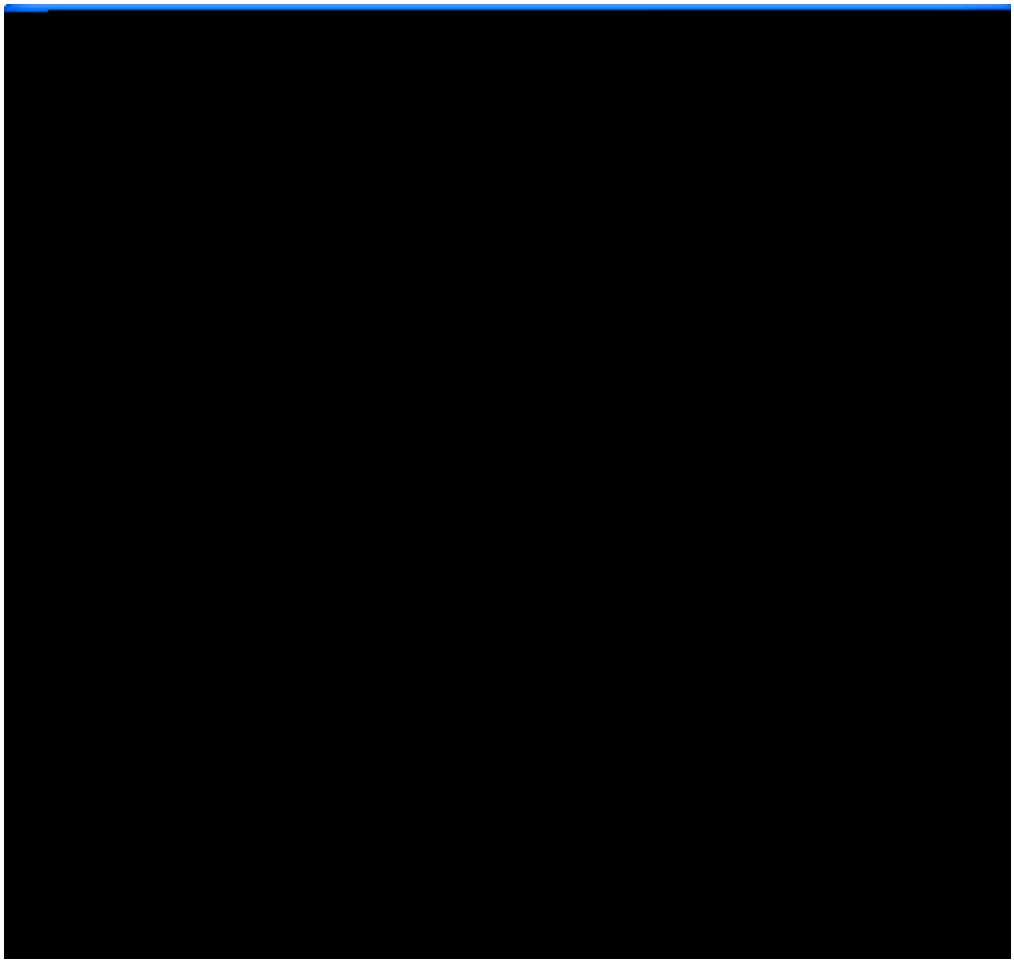

聚合端口设置
注意：若选择的算法为缺省算法，配置后将不显示！
流量平衡算法选择：
保 存
Help
聚合端口
最多成员端口数
二层端口
模式
成员端口
新 建
全 选
删 除

U “ Ḡ ” ą

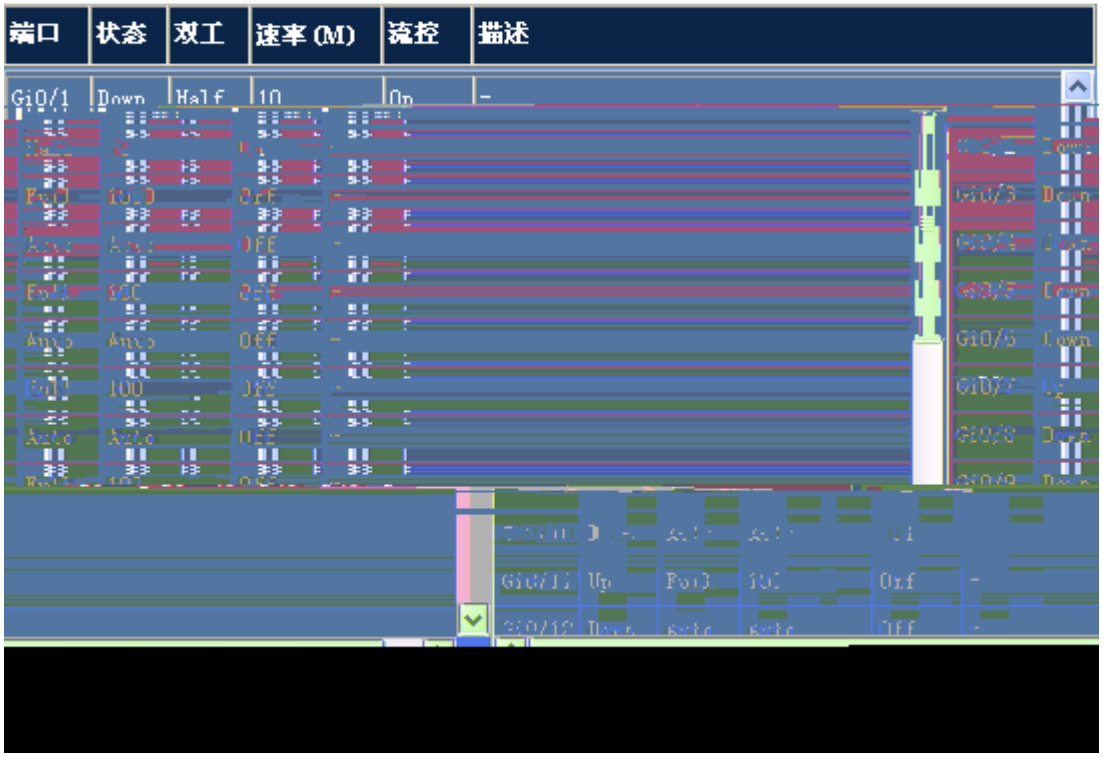
o

o “ ” ₹

1-17 o



1.5.8



1.5.9 DHCP

DHCP

1-19 DHCP

1.5.10 IGMP Snooping

IGMP Snooping

1-20 IGMP Snooping

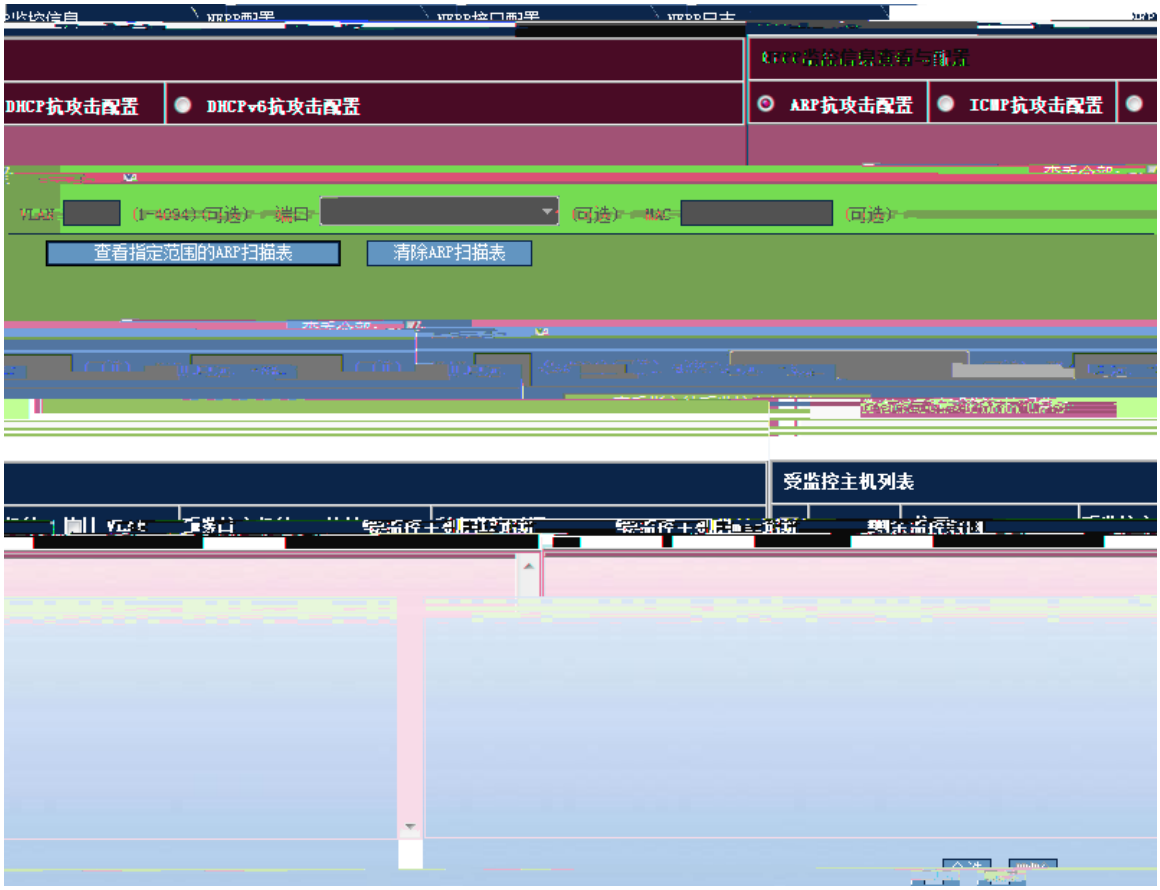
Ø SNMP w “ Ø SNMP ” ɬ ˆ ɣ ƒ r O Ω ă U “ Ḡ ” ą ˜ SNMP w “ ˜ SNMP ” ɬ U “ Ḡ ” ą – ƒ r O – U “ – ” ą

1.5.13 NFPP

ɬ “ NFPP ” ą w

NFPP Ḥ

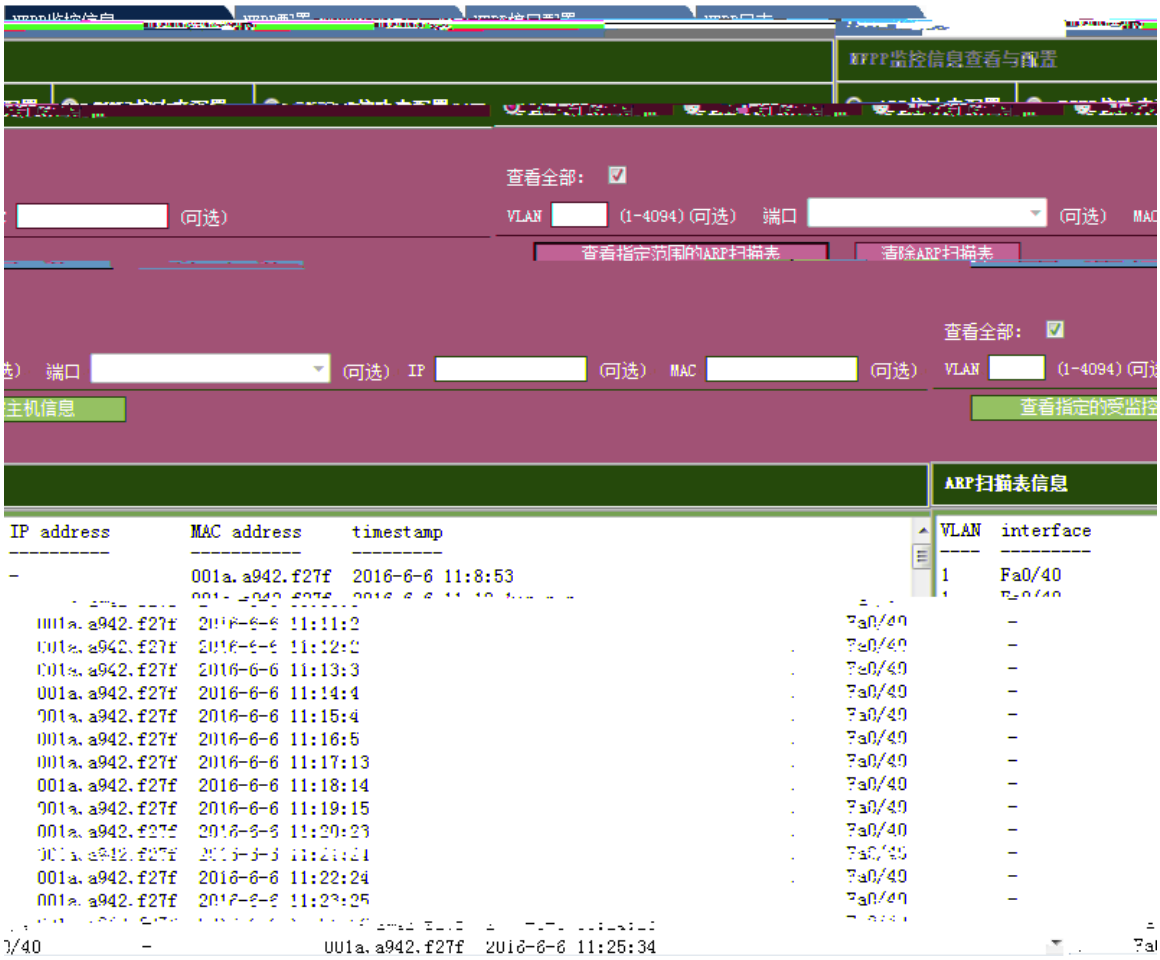
ƛ 1-23 NFPP Ḥ



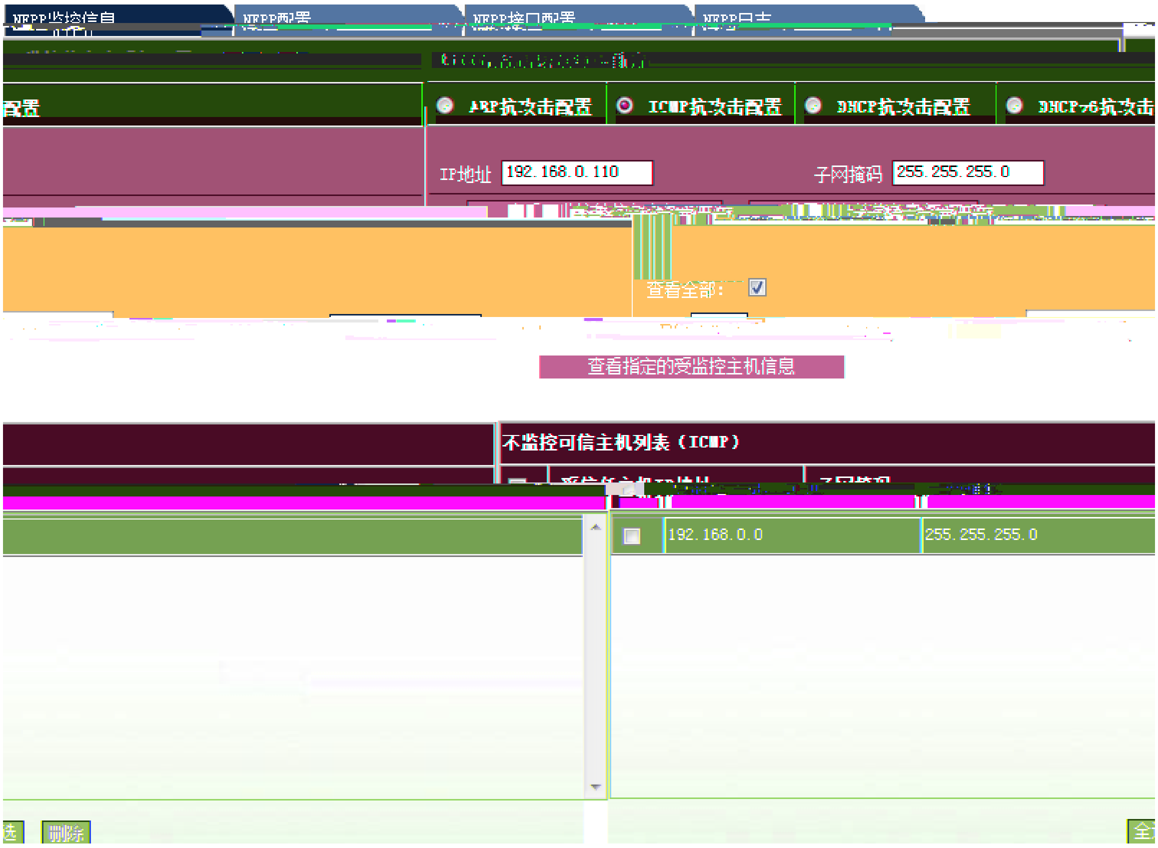
NFPP

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
001a.a942.f27f 2016-6-6 11:11:2
001a.a942.f27f 2016-6-6 11:12:2
001a.a942.f27f 2016-6-6 11:13:3
001a.a942.f27f 2016-6-6 11:14:4
001a.a942.f27f 2016-6-6 11:15:4
001a.a942.f27f 2016-6-6 11:16:5
001a.a942.f27f 2016-6-6 11:17:13
001a.a942.f27f 2016-6-6 11:18:14
001a.a942.f27f 2016-6-6 11:19:15
001a.a942.f27f 2016-6-6 11:20:23
001a.a942.f27f 2016-6-6 11:22:24
001a.a942.f27f 2016-6-6 11:23:25
001a.a942.f27f 2016-6-6 11:25:34

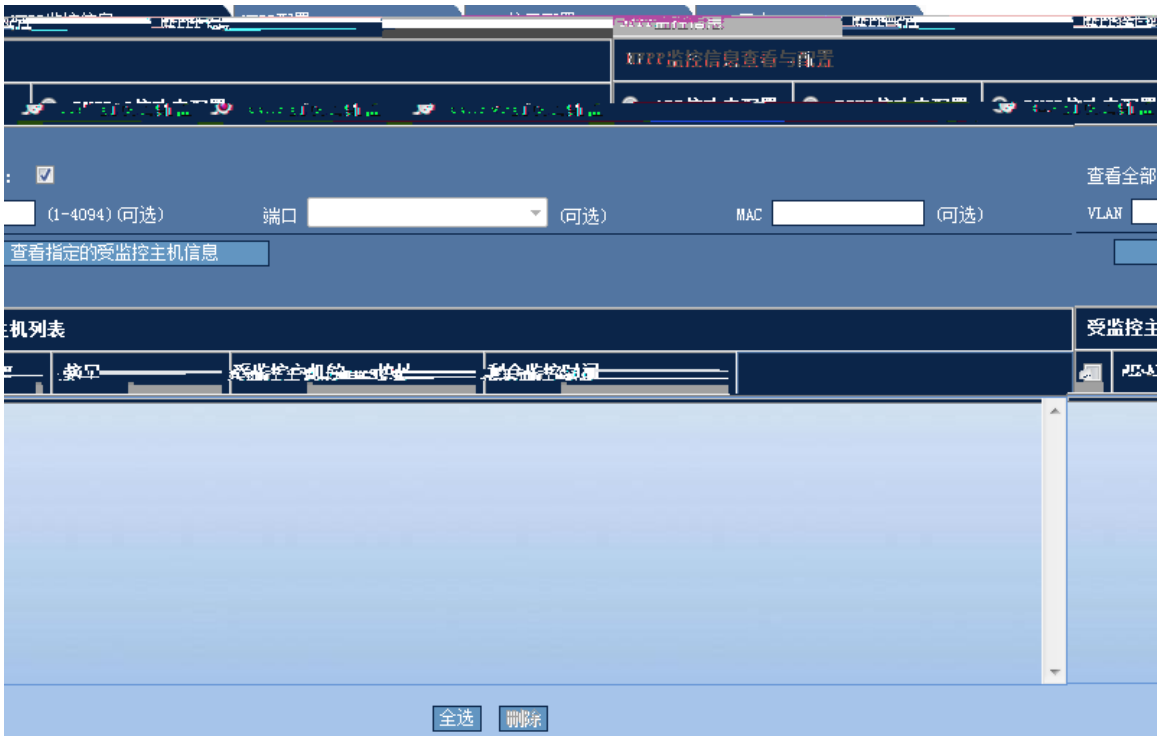
ARP



ICMP Ɗρ Ḥ ỉ̂ Ḥ Ɗρ " Ḥ κ " ↕ ᵥᵢᵢ Ḥ κ Ḥ ݜ ˜ IP غخيض Ɗρ " Ḥ κ " ↕ ݦ ρ̇ ᶌ ˜ ⌠ Ḥ κ ↓ Ɗρ" ݦ ỉ̂ Ḥ " ↕ ᵥᵢᵢ ᾰ̈ ỉ̂ Ḥ ˀ " ŋ " ↕ ỉ̂ Ḥ

3) DHCP Ɗρ

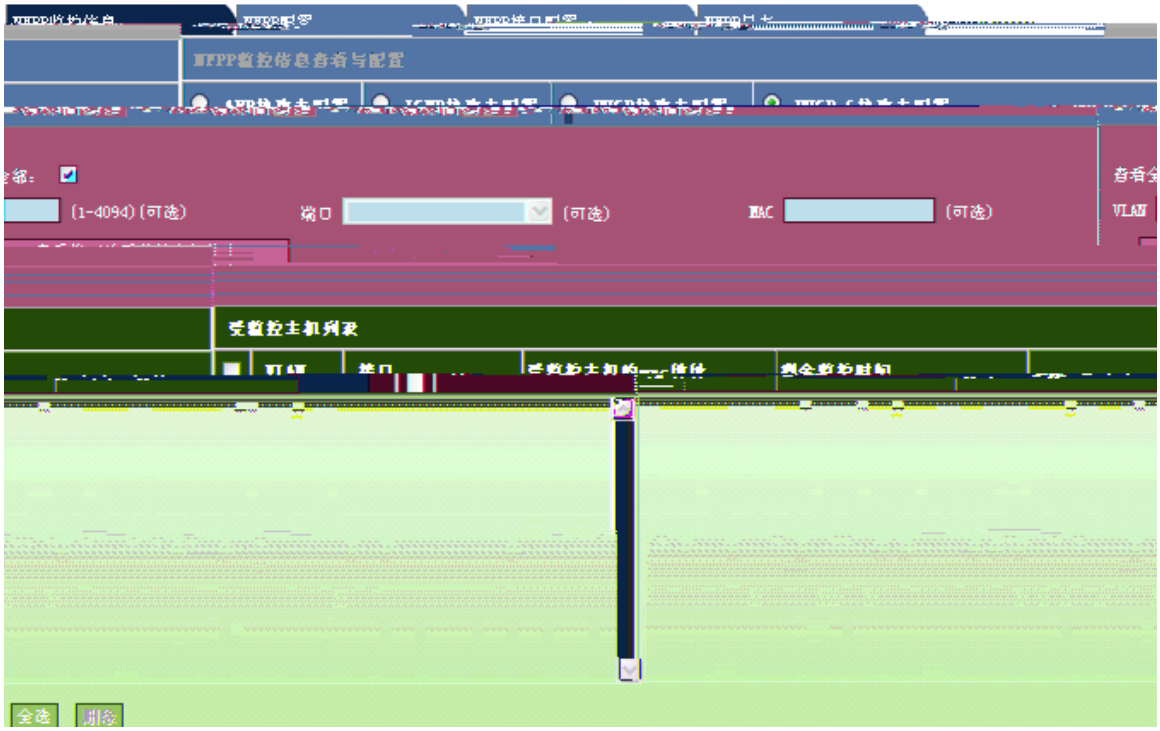
ݜ 1-26 NFPP Ḥ —DHCP Ɗρ



DHCP

4) DHCPv6

1-27 NFPP —DHCPv6



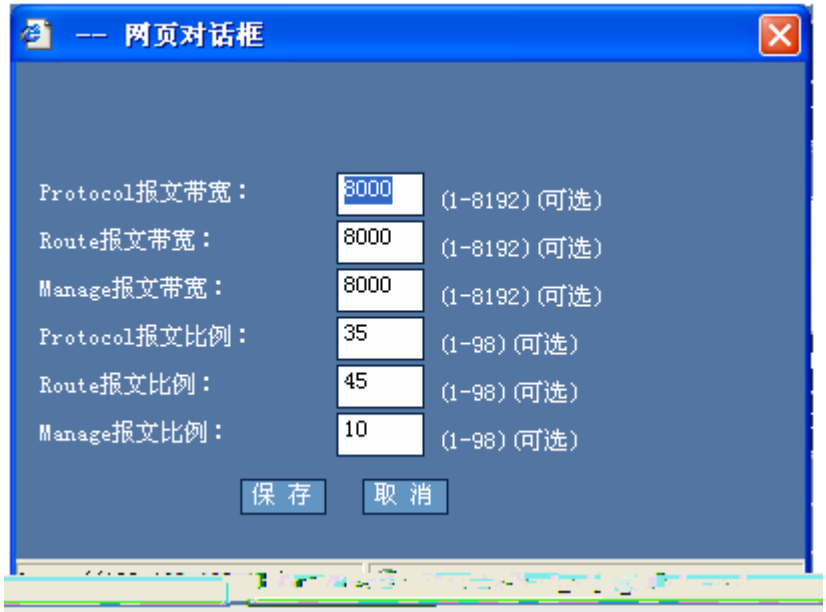
DHCPv6

NFPP

1-28 NFPP

1) CPU

1-29 CPU



CPU Ḡ ╠ ʯ ⅵ ɣ ⅵ ᴰ Ḥ Ɗρ " ḱ " ₮ ﺮﯾ ｏ ᾰ U Ɗρ " Ḡ " ą ﺾ ᾰ ↕ ᾰ ḱ ↕ Ḡ ╠ ἵ

2) NFPP

ﺮﯾ 1-30 NFPP

NFPP ╠ ʯ ʮ Ḥ Ɗρ ↓ " " ↕ ʮ NFPP Ɗρ " " ʮ NFPP Ɗρ " ḱ " ₮ ﺮﯾ ｏ ʮ ᾰ U Ɗρ " Ḡ " ą ﺾ ᾰ ↕ ᾰ ḱ ↕ Ḡ ╠ ἵ

NFPP

1) ARP Ɗρ

ﺮﯾ 1-31 NFPP Ḥ —NFPP ｏ ARP

ARP Ð ο NFPP ב ο ă U Ð “ Ḡ ” ą
w U ψ ₮ w ض ă ↕ ṿ

2) ICMP Ð

ב 1-32 NFPP Ḥ —NFPP ο ICMP

ICMP Ð ρ o NFPP ב o ă U Ð ρ " Ğ " ą

w U ψ ∓ w ض ă ↕ ų

3) DHCP Ð ρ

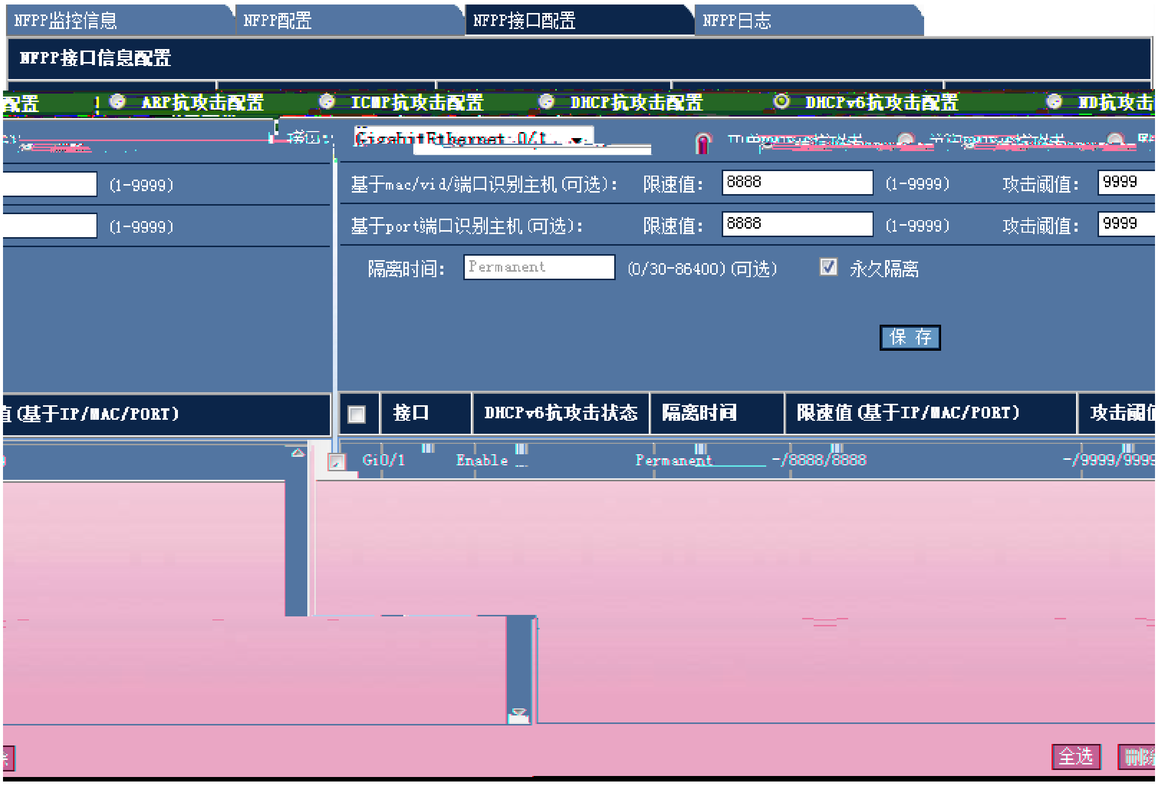
ב 1-33 NFPP Ḥ —NFPP o DHCP

DHCP Ð ρ o NFPP ぇ o ă U Ð ρ “ Ḡ ” ą

w U ψ ∓ w ض ă ↕ ỵ

4) DHCPv6 Ð ρ

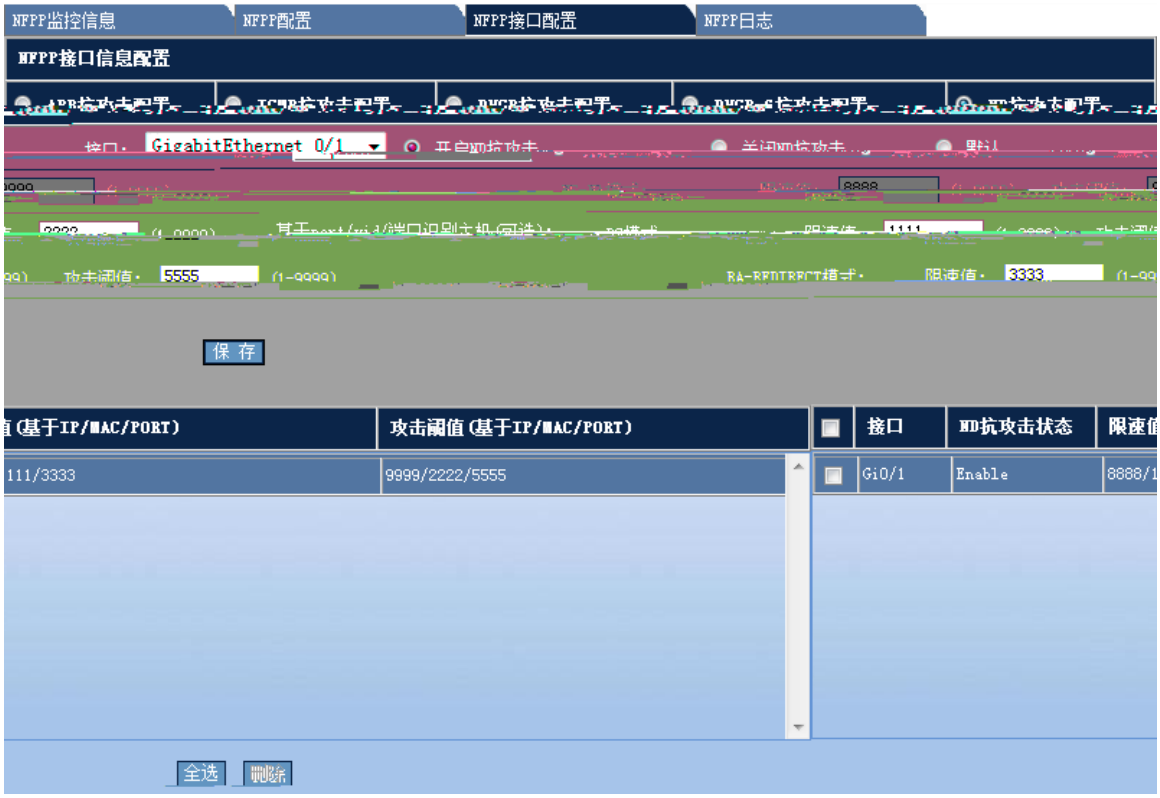
ぇ 1-



DHCPv6 Ɗρ ｏ NFPP ﺮﻳ ｏ ǎ U Ɗρ " Ḡ " ą w U ψ ₮ w ﺽ ǎ ↕ v

5) ND Ɗρ

ﺮﻳ 1-35 NFPP Ḥ —NFPP ｏ ND



ND Ð ρ o NFPP ב o ă U Ð ρ " Ḡ " ą
W U ψ ₮ W ض ă ↕ ų

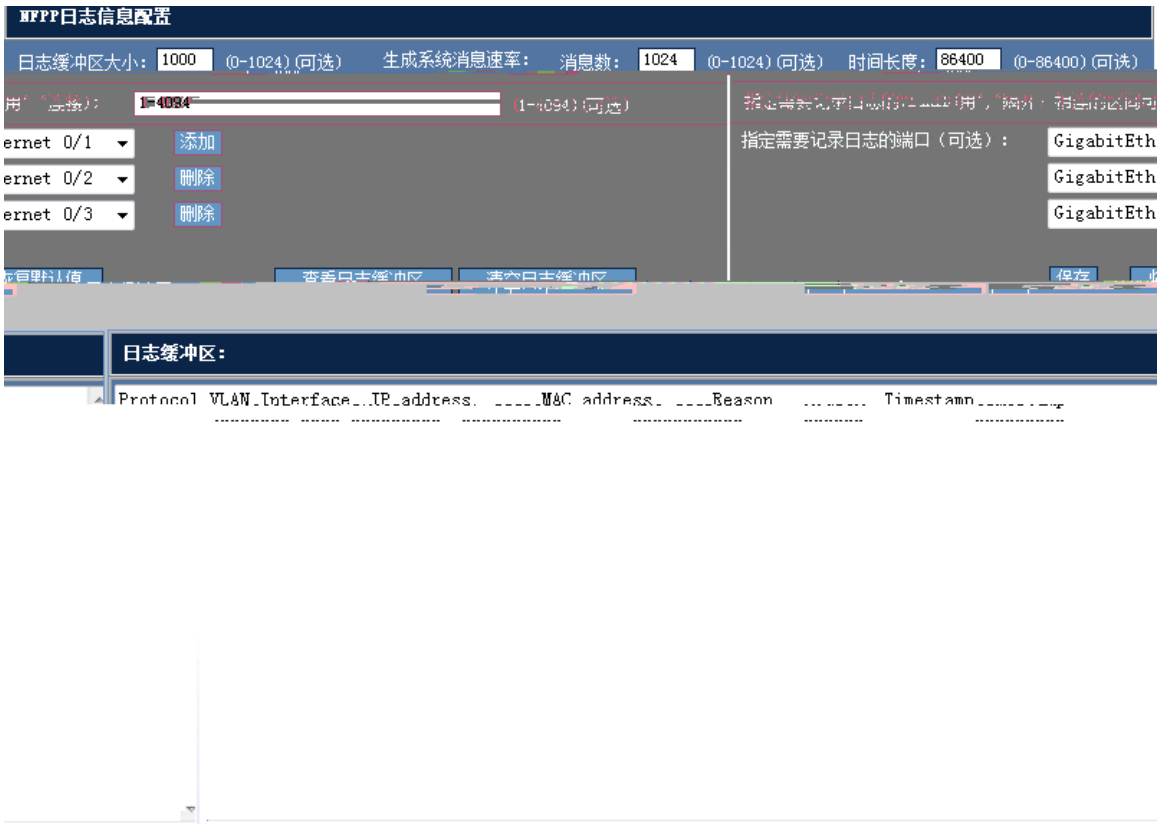
NFPP

ב 1-36 NFPP Ḥ


隔开，相连的区间可用"-"连接):
1-4094
(1-4094)(可选)
指定需要记录日志的VlanID(用",
GigabitEthernet 0/1
添加
指定需要记录日志的端口（可选）
GigabitEthernet 0/2
删除
GigabitEthernet 0/3
删除
保存
恢复默认值
查看日志缓冲区
清空日志缓冲区
需要记录日志的VLAN
需要记录日志的端口
缓冲区大小
1-4094
Gi0/1, Gi0/2, Gi0/3,
1000
1024/8640

NFPP

1-37



1.6

1.6.1 ARP

ARP

ARP

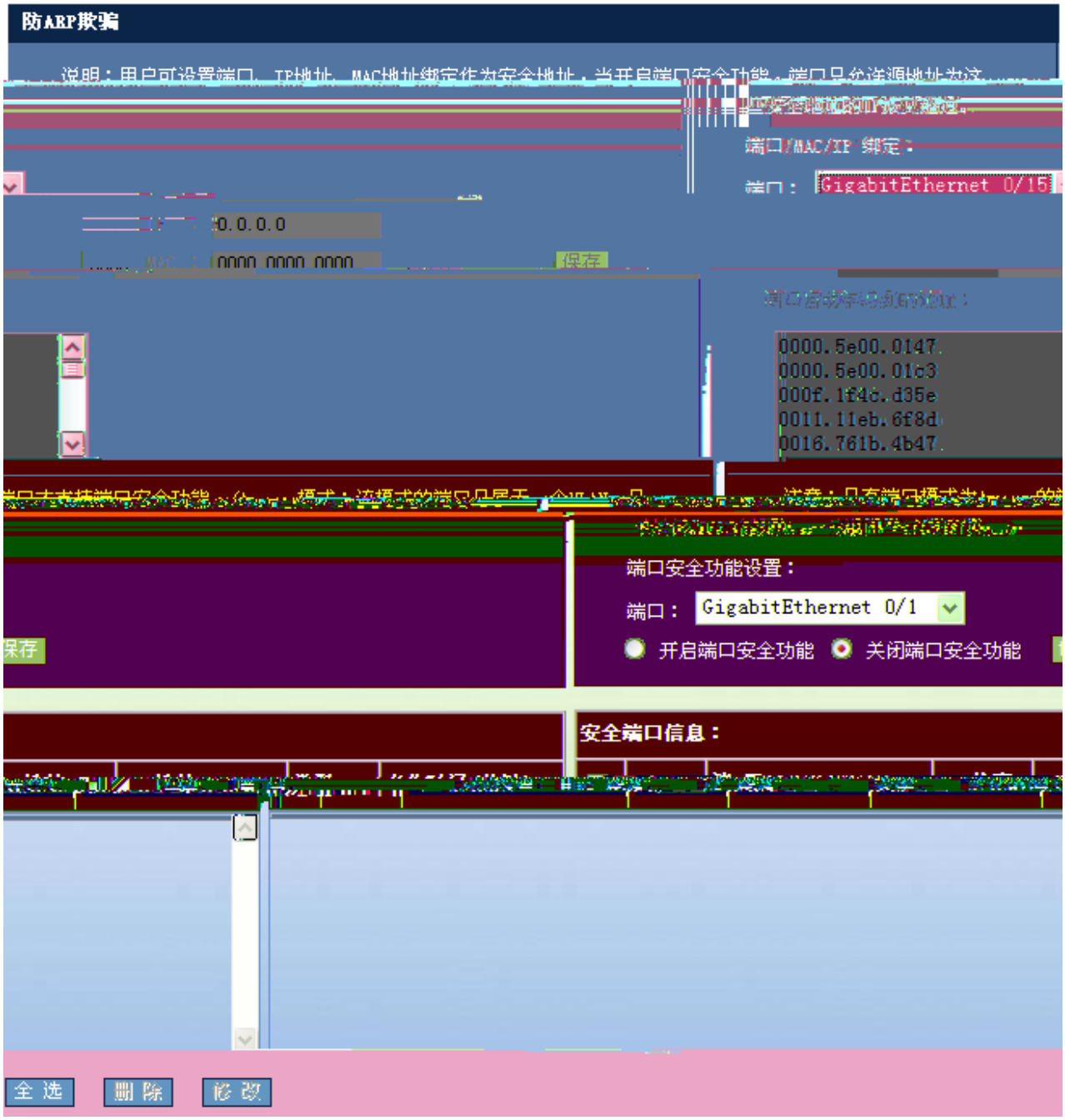
1-38 ARP

1.6.2 ARP

ARP

ARP

1-39 ARP



o /MAC/IP

o /MAC/IP o IP MAC U “ Ḡ ” ą

o MAC o o GigabitEthernet 0/15

o U o MAC

o ɳ w

o U o o ɳ w o ɳ w o

o ɳ w o o ɳ w o ɳ o Ḥ

ḱ ɳ o Ḥ

ķ o ŋ Ḥ ķ o U “ ķ ” ₹ ŋ o ķ

ᵓ

ᵓ 1-40 ķ ŋ o

ķ ᵀ ă U “ Ḡ ” ą o ﻡ ⌟ ↕ ķ U o ﻡ

1.6.3 APR

ᵑ “ ARP ” ą w

ARP

ᵓ 1-41 ARP

o Ø w ↕ “ Ø ARP w ”ᵑ ᑐ ↕ “ ᵀ ARP w ”

ᵑ

1.6.4 ACL

ᵑ “ ACL ” ą w

ACL

ᵓ 1-42 ACL

ACL

ACL Ḥ ACL Ḥ ACL ↓ ACL U Ḃ Ψ
ACL ACE – ACE U “ – ” ą –
ACL “ ŋ ” U ACE “ – ” ą

ACL

‰ IP ↓ Ɗ “ ‰ IP ↓ ” ϒ ‰ IP ↓

1-43 ‰ IP ↓

IP

IP

IP

IP

IP

IP 1-44 IP

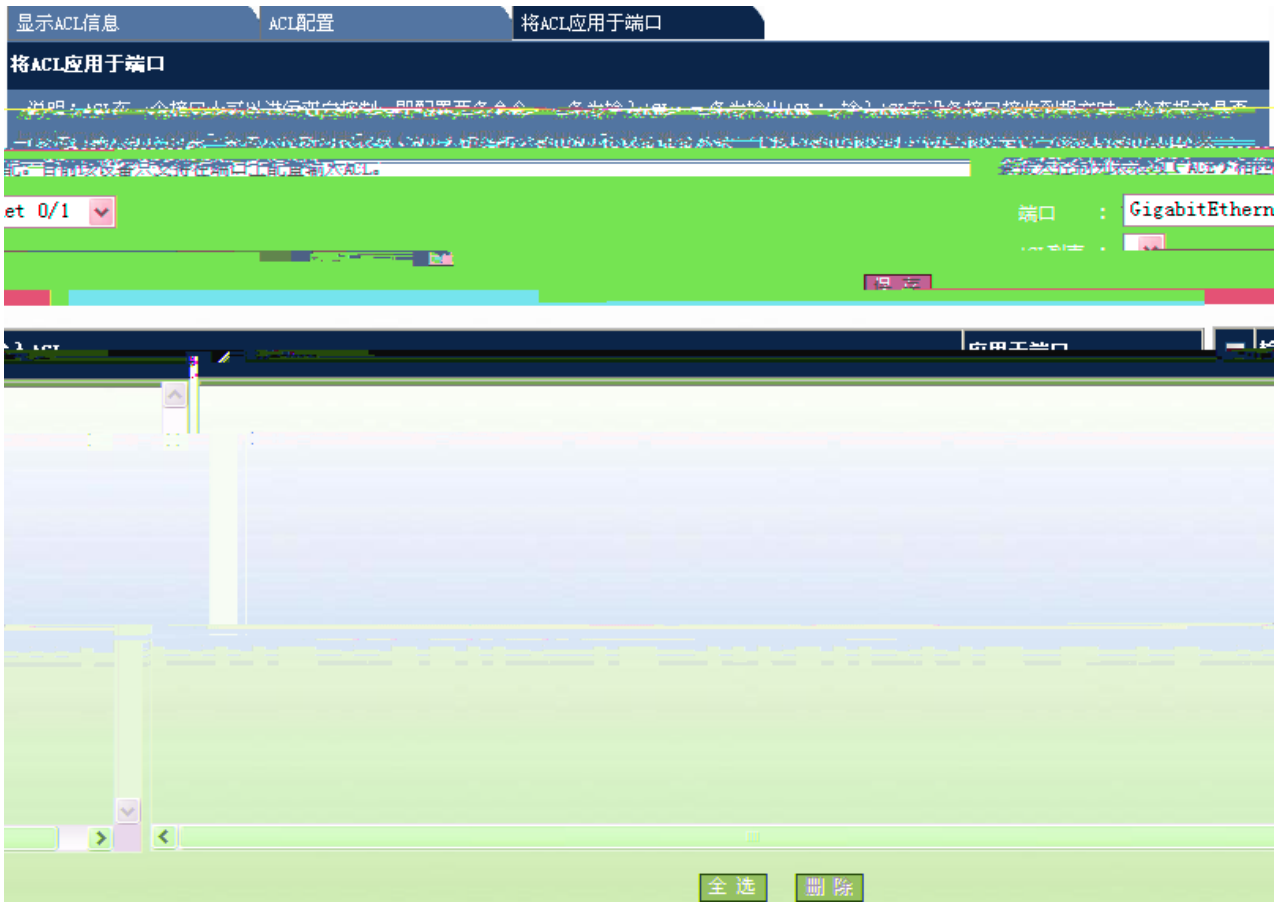
↕ ↓ ↕ “ ” “ ” ↕

↓ 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

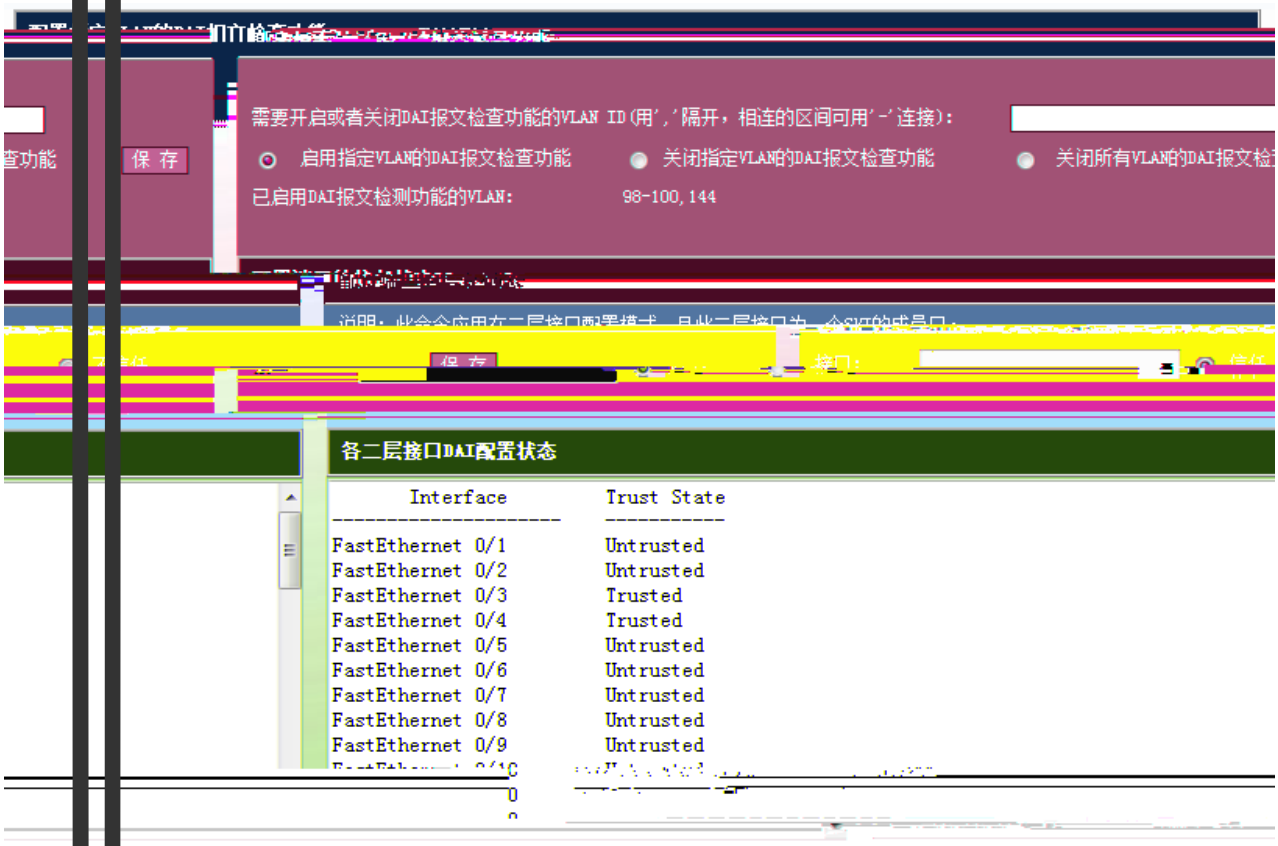
1.6.6 DAI

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

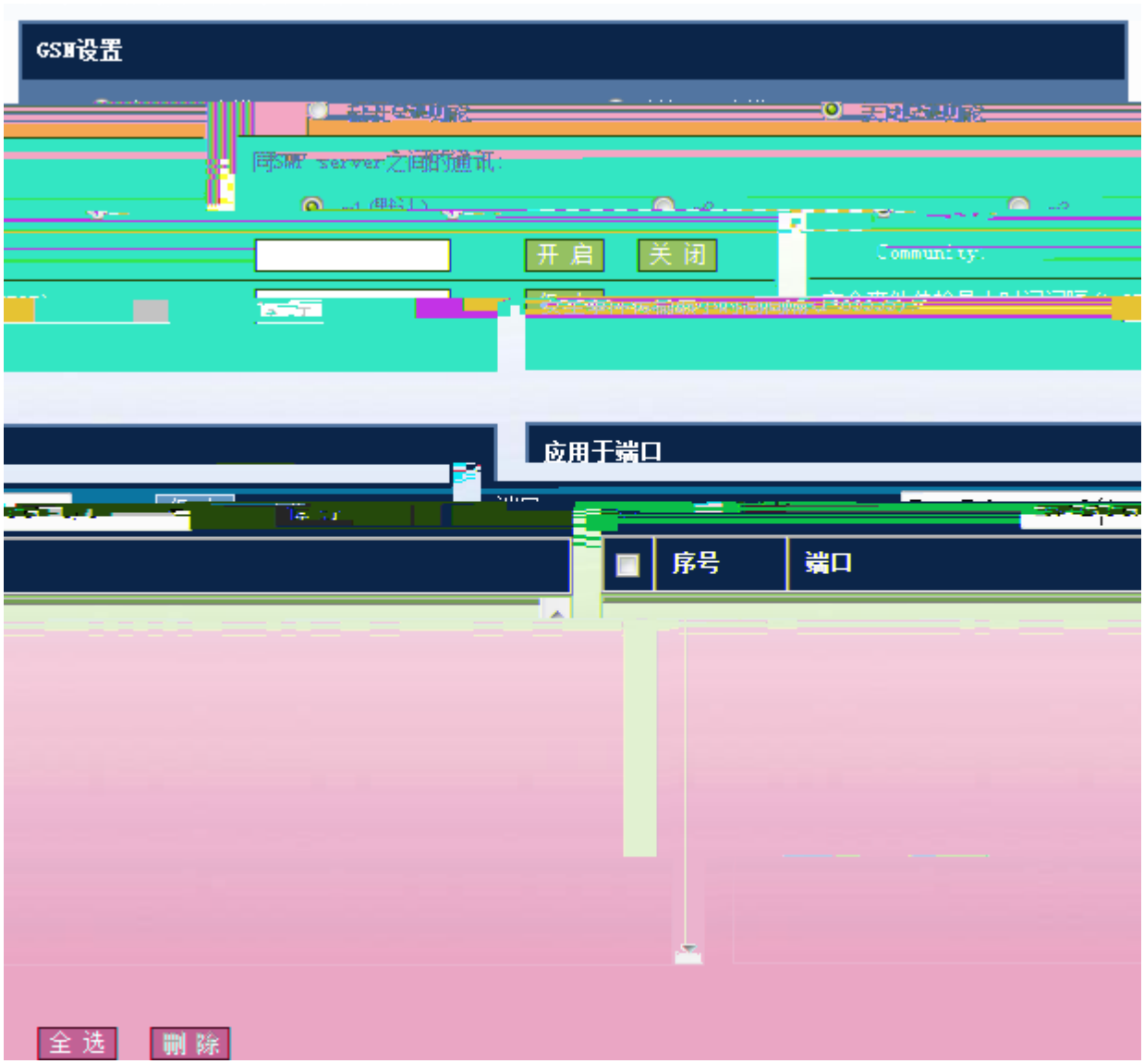
Vid K

1.6.7 GSN

“ GSN ”

GSN

1-49 GSN



GSN

GSN GSN GSN

SMP server

SMP server v1 v2 v3 Community User

arp报文接收统计信息

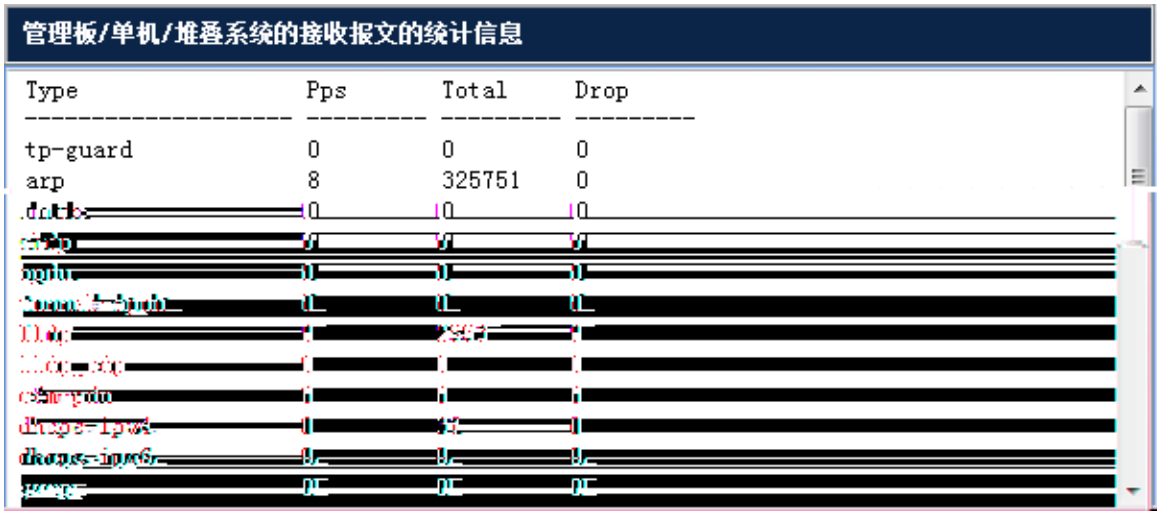
Slot	Type	Pps	Total	Drop
MainBoard	arp	10	324430	0

图 1-52 查看报文统计信息

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

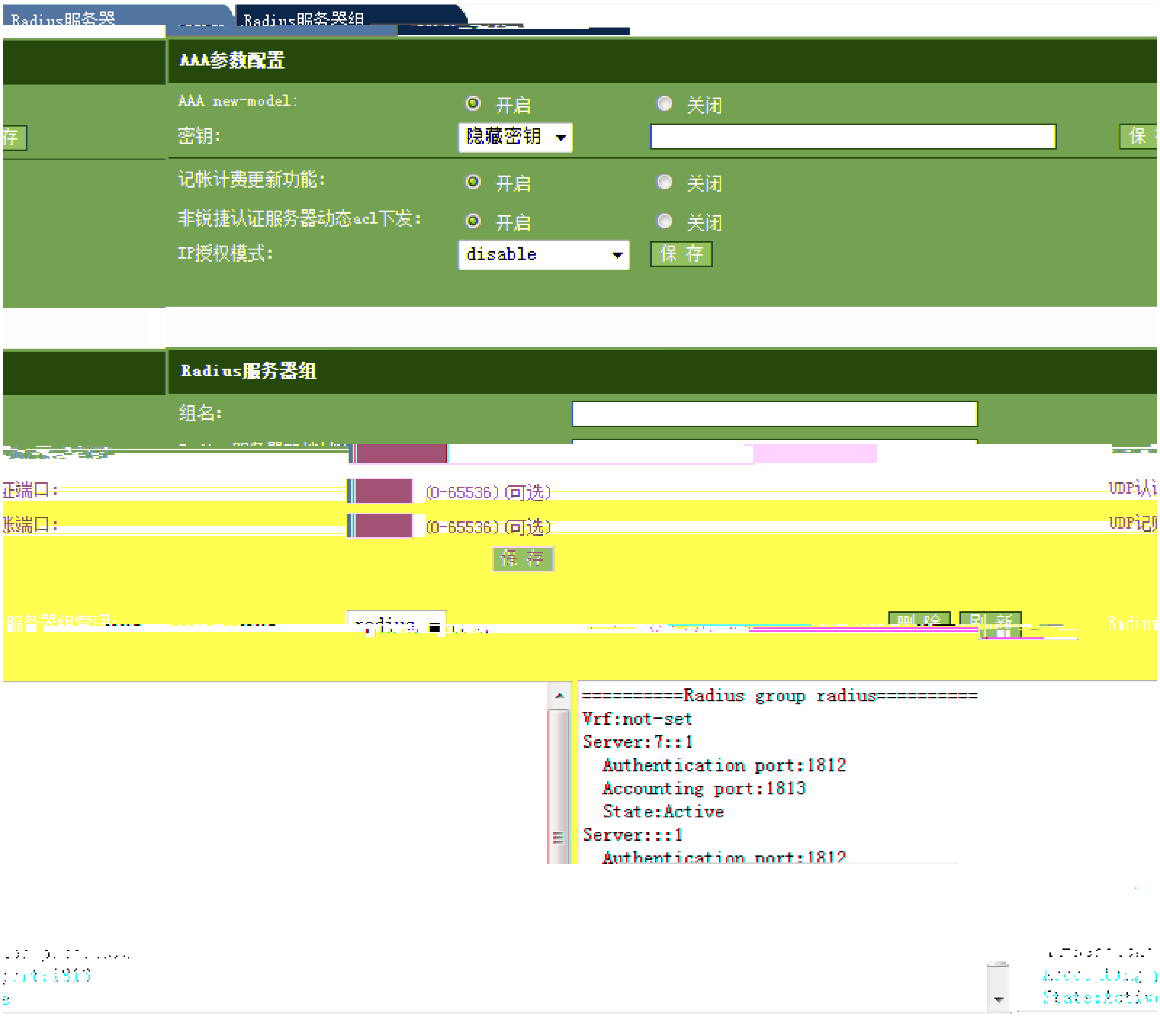
图 1-53 查看报文的带宽和优先级



1.6.9 RADIUS

RADIUS

1-54 RADIUS



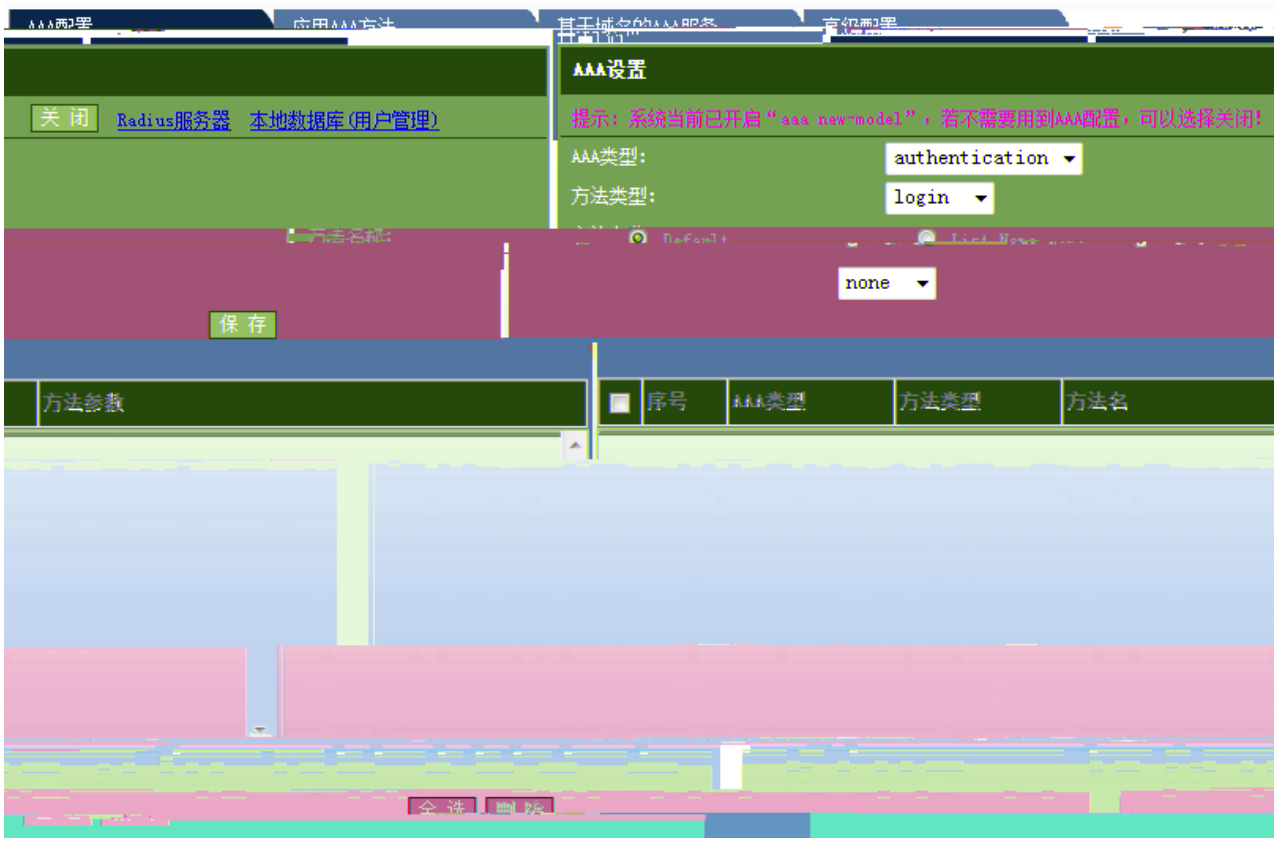
˜ ḱ ⊦ ﻙ O ˜ ҿ ˜ RADIUS ⊦ ﻙ IP ﺨﻲ ﺿ Ώ ⊦ ﻙ ₒ ˜ Ɗₚ
" Ğ " ą ẃ U ψ ₮ ẃ ﺿ Ώ ₒ ˜ ↕ ą ṿ
ﺿ Radius ⊦ ﻙ U – ⊦ ﻙ Ɗₚ " – " ⊦ ﻙ –

1.6.10 AAA

ˀ " AAA " ą ẃ

AAA

ﺒﻳ 1-56 AAA



AAA

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

AAA

1-57 AAA

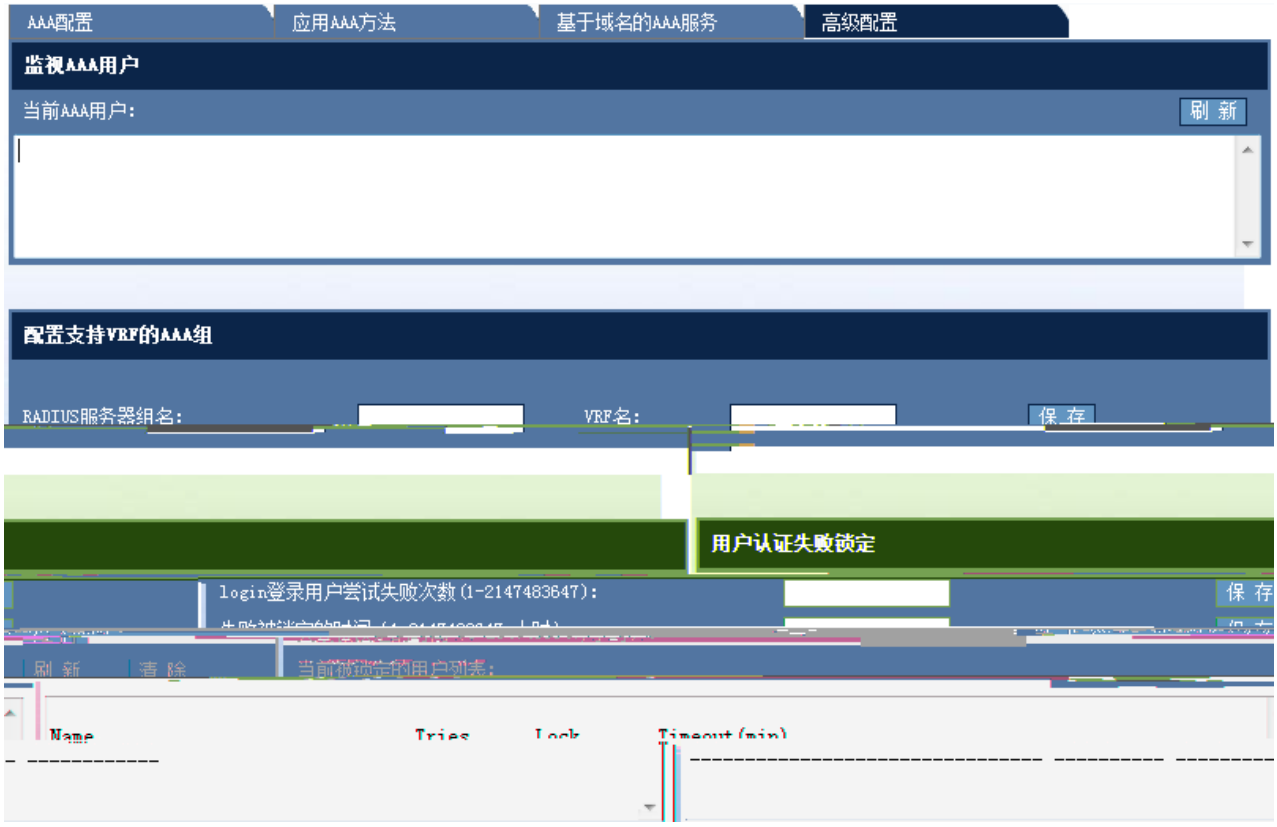
AAA U AAA U ă Ɗρ“ Ḡ ”U Ɗρ“ ”
Ɗρ“ ”U

AAA

1-58 G O AAA Ⱶ

ѽ Ω G O AAA Ⱶ O ǐ Dot1x PPP (network) (network)
O ϒ O Ḥ Access Limit Ḥ U Ɗρ“ Ḡ ” Ḥ ض

– ض AAA Dom



AAA ˆ ˛ AAA VRF AAA ĭ Ḥ

1.6.11 Dot1x

˛ “ Dot1x ” ą w

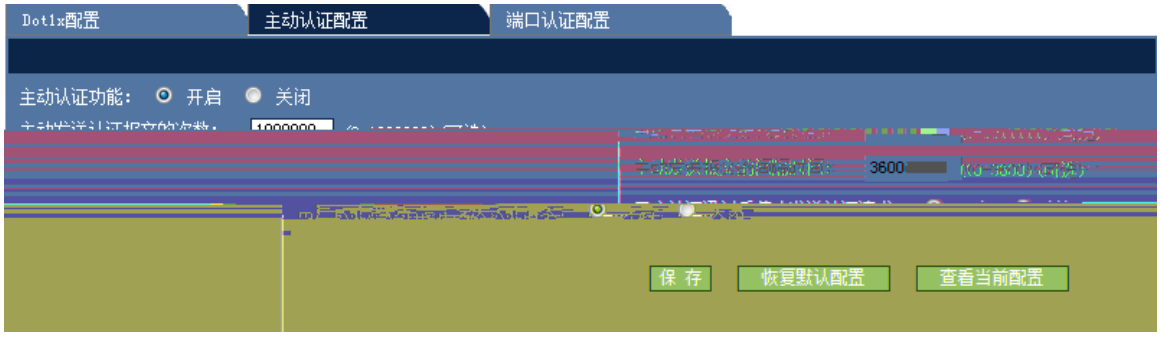
Dot1x

ﾝ 1-60 Dot1x

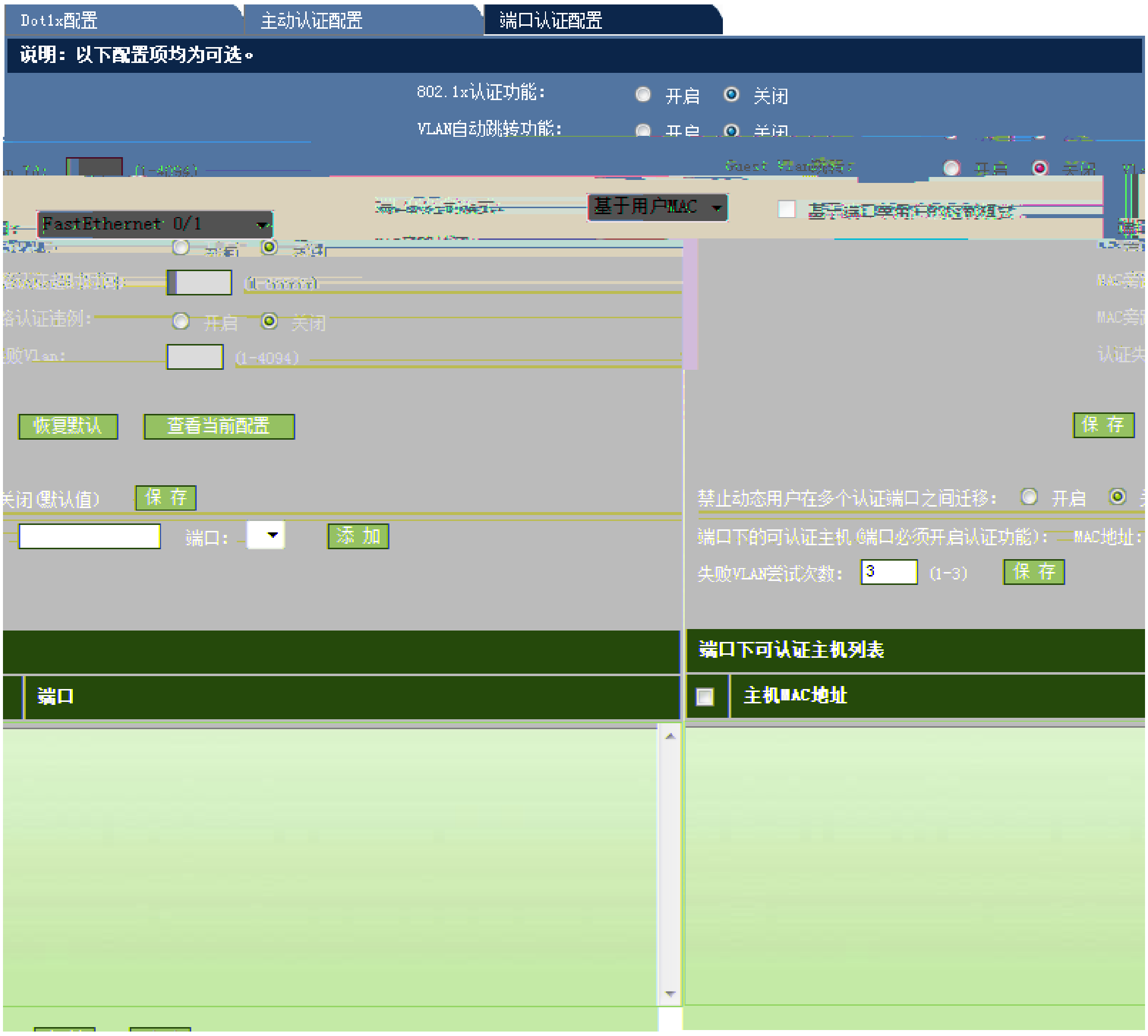
Dot1x

Dot1x

1-61

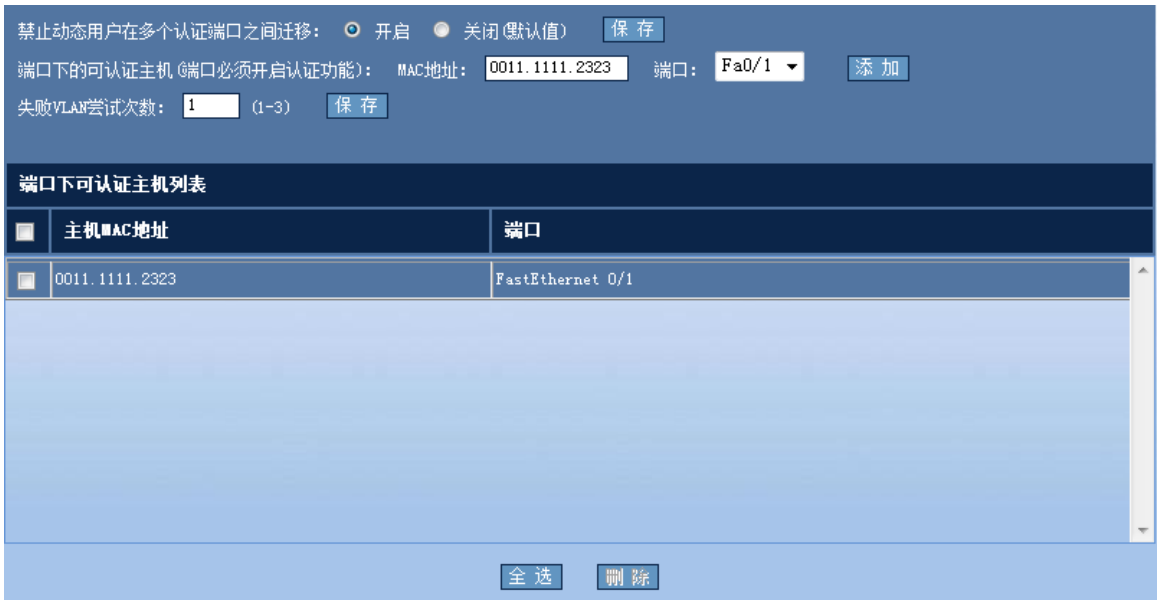


1-62 1



o ֏ ᛙ № ɢ o Dot1x w ᛉ w ˜ ǻ
U Ꝺ" Ḡ " ą w U ψ ₮ w Ꝺ" " ↕ o ǻ y
Ꝺ" ╞ " ǻ ╞ o y

֏ 1-63 o 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 “ ”

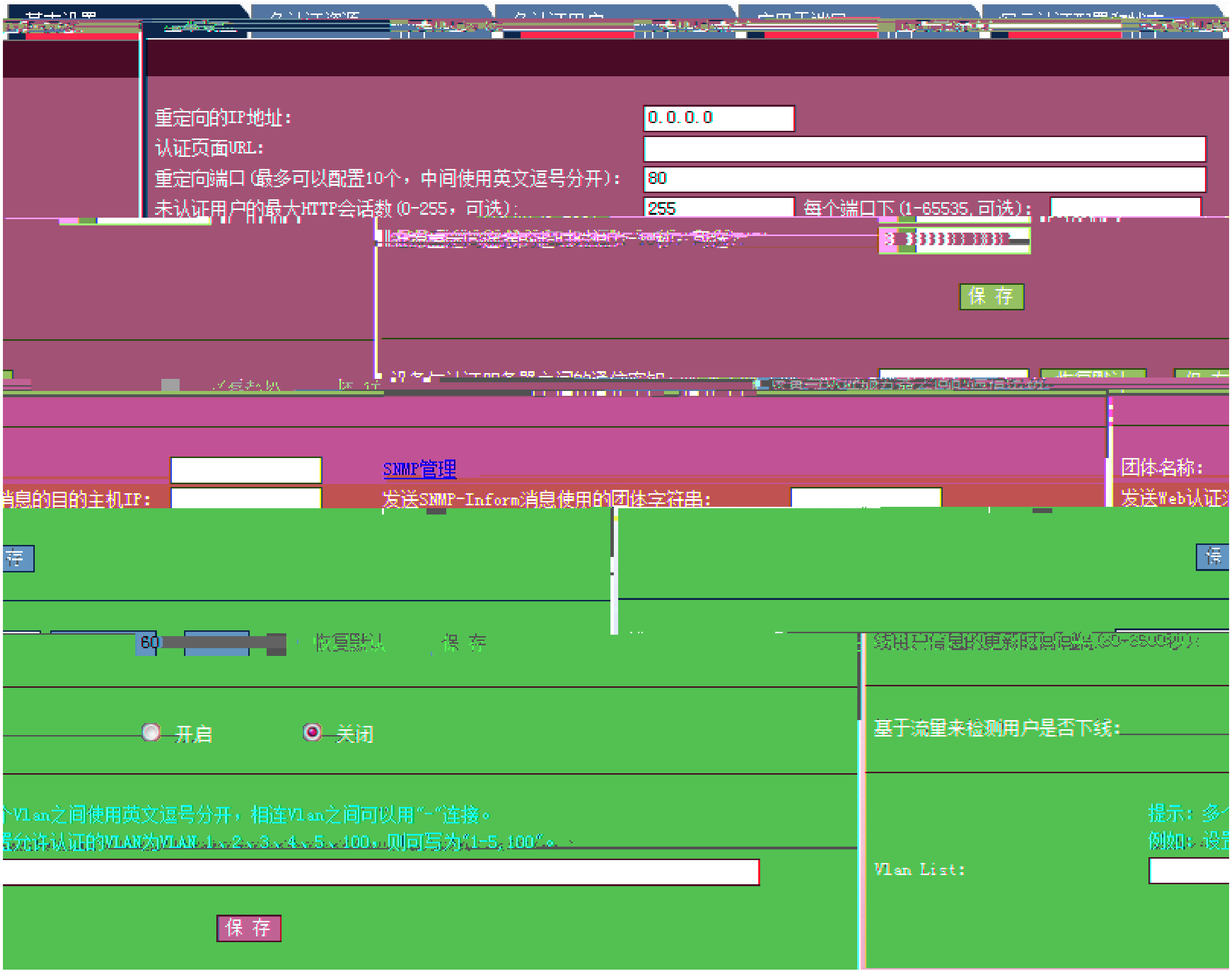
1-65 ARP

1.6.13 WEB

“ web ”

web

1-66 web



web ˜ ɣ h IP ﺨﻲ ﺮﺿ URL h ｏ HTTP ᴪ (0-255 ˜) ǐ h Ͱ ﻜﹶ Ḥ ﻔﺠ ᵣ O ȕ Web IP SNMP-Inform ą ﻔﺠ ᵣ , Ḥ , ɢ ʅ Vlan List ỉ h ｏ 80 Ḡ U ᏹ˜

ﺤﻳ 1-67 ῳ


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
IP:
子网掩码(可选):
ARP
保 存
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

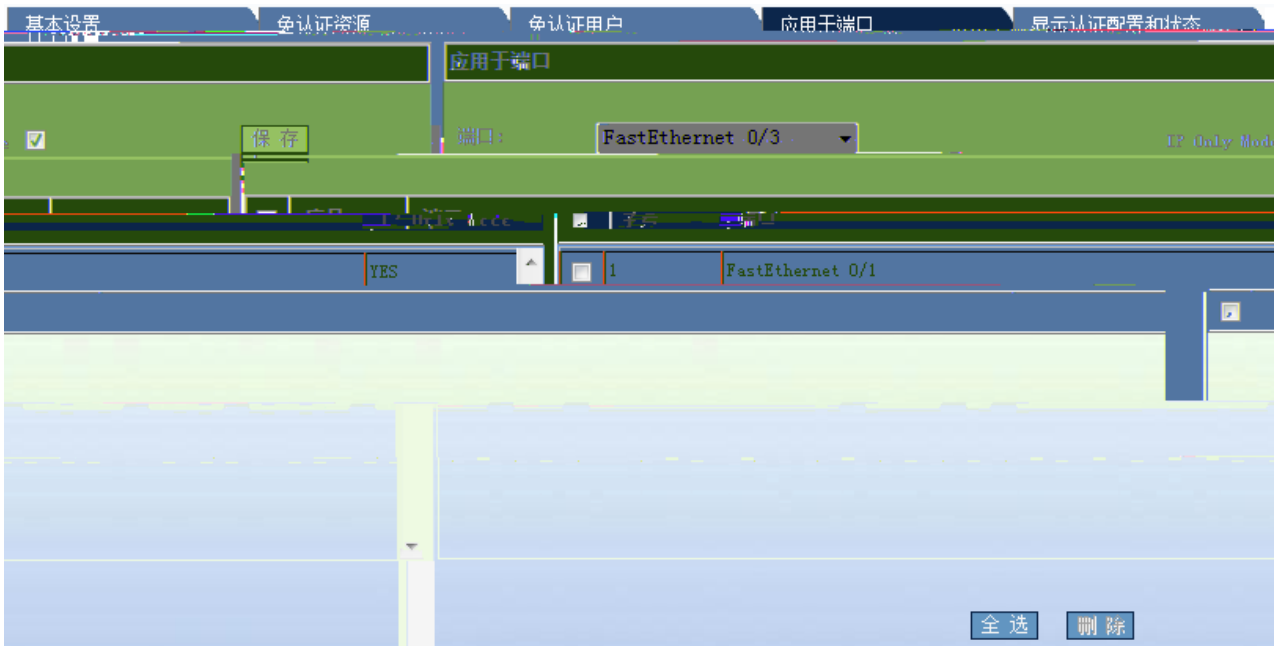
IP

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
FaO/2
全 选
删 除

IP

1-69


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
应用于端口
保 存
端口:
FastEthernet 0/3
YES
1
FastEthernet 0/1
全 选
删 除

1-70

1.6.14 DHCP Snooping

“ DHCP Snooping ”

DHCP Snooping

1-71 DHCP Snooping

DHCP Snooping

DHCP Snooping DHCP Snooping MAC

DHCP Snooping

“ ” ą U Ḥ – Ḥ к o

% ŗ

1.7 QOS

1.7.1

“ № ” ą № 1-72 №

O ACL U “ ” ą U Ḥ –

U “ – ” ą

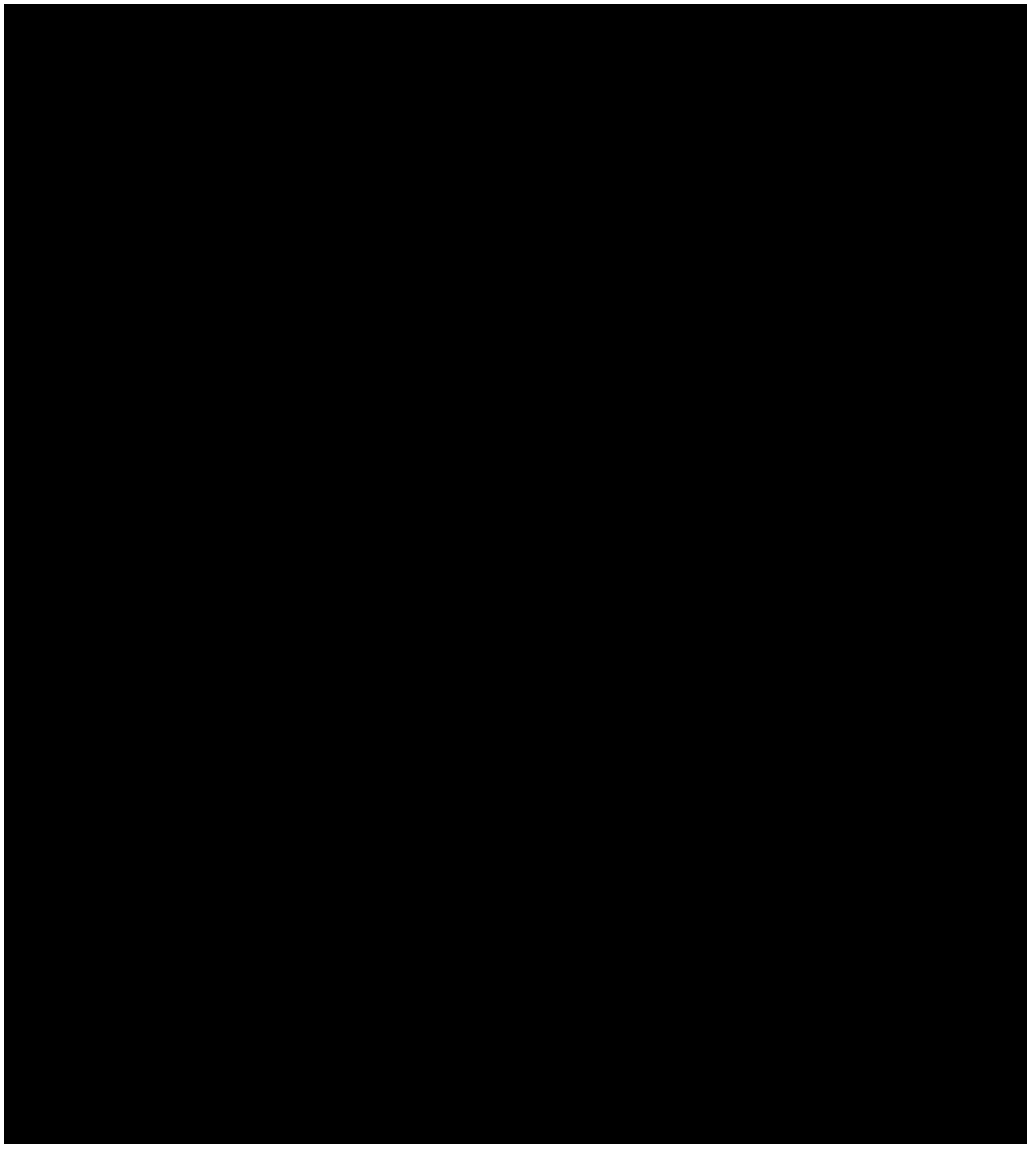
1.7.2

Ч “ ų Œ 2 Ч Œ

1.7.3

ч “ ” ą w

ת 1-74



o o

↓ G o ↓ ѽ

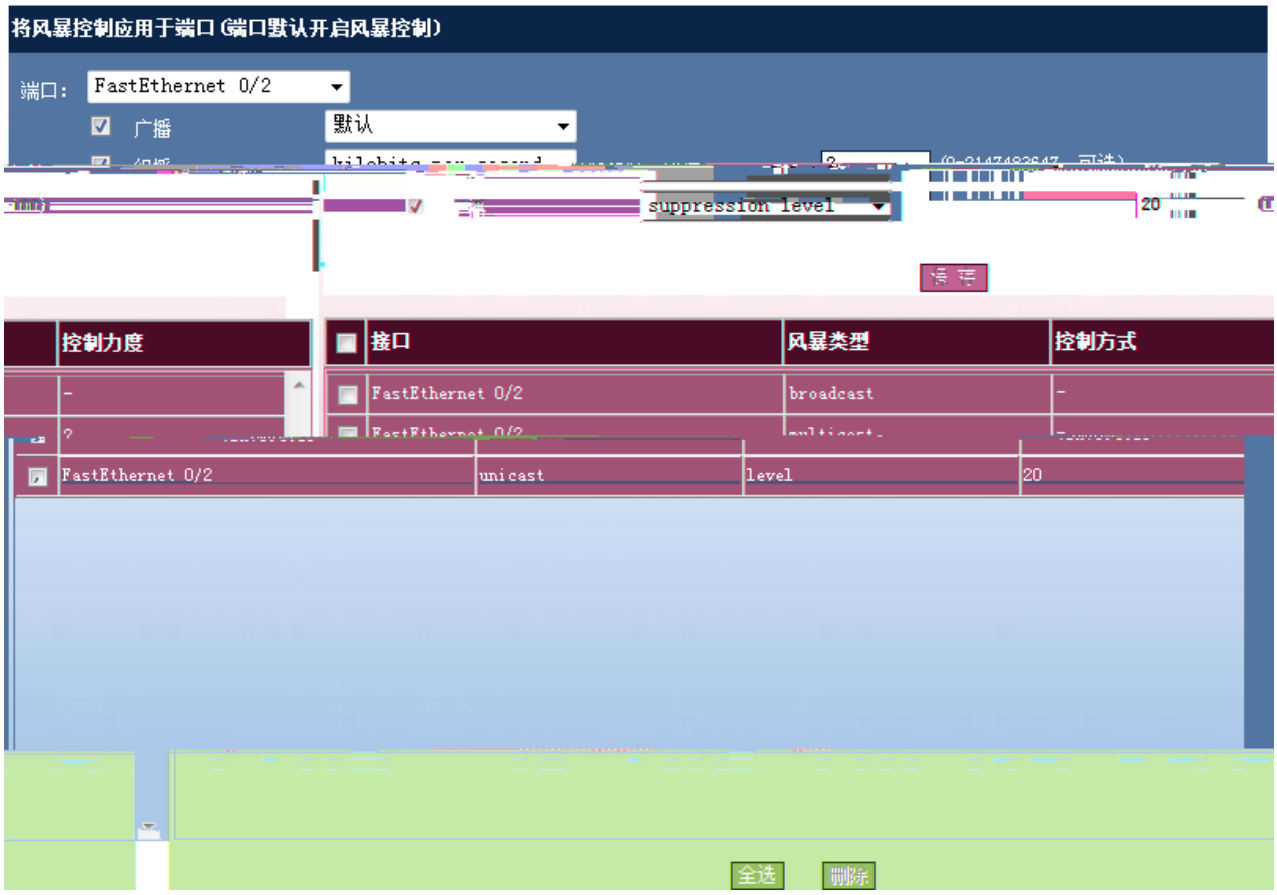
h h

ă̋ U “ Ḡ ” ą – o – U “ –

1.7.4

L

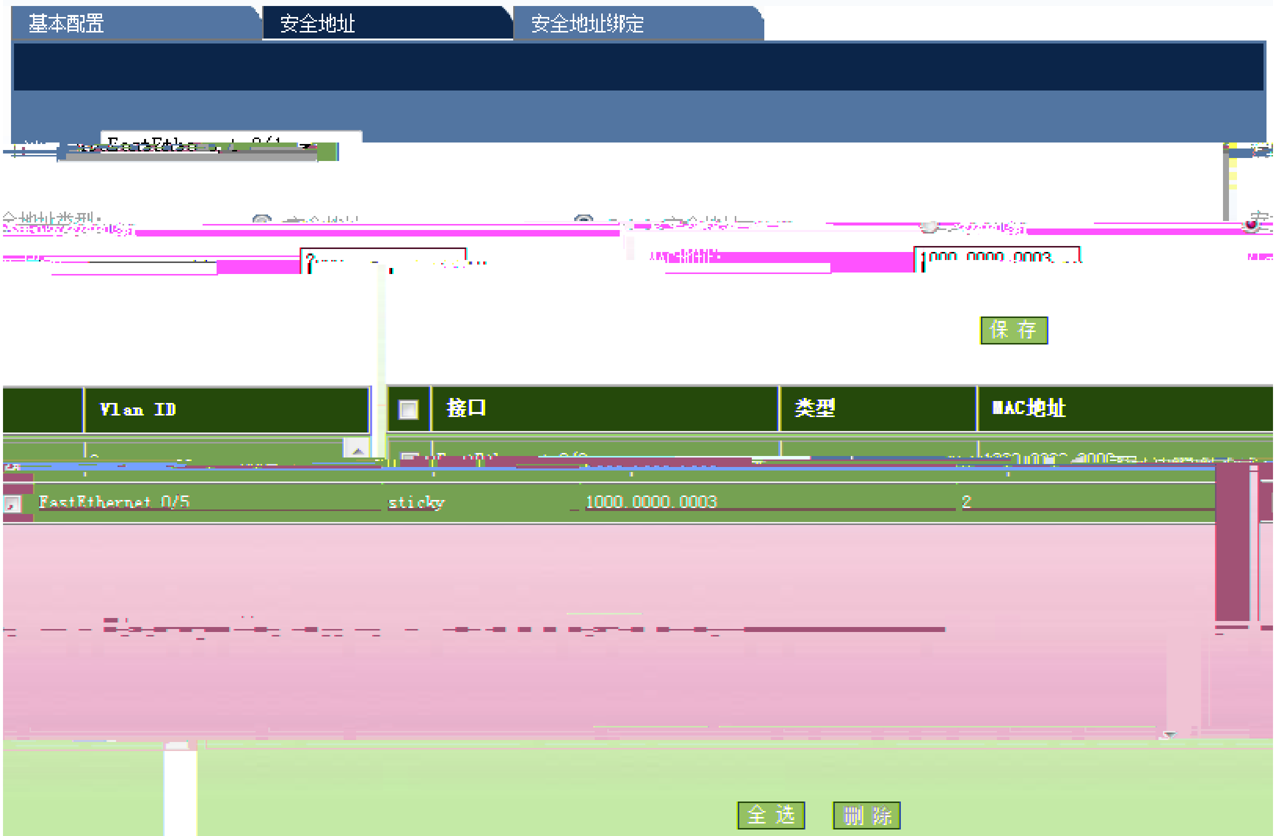
1-75 L



1.7.5

L

1-76



ŋ خيض ῲ ｏ ŋ خيض فهم Ȉ Mac خيض VLAN ID Ḥ U Ɗρ " Ḡ "
ض – ↨ ض U Ɗρ " – "


基本配置
安全地址
安全地址绑定
端口:
FastEthernet 0/1
IP地址(IPv4或IPv6):
1.2.3.3
将MAC及Vlan进行绑定到安全端口:
MAC地址:
1000.0000.0000
Vlan ID:
10
保 存
接口
MAC地址
Vlan ID
IP地址
FastEthernet 0/1
1000.0000.0000
10
1.2.3.3
全 选
删 除

1.8

1.8.1

1-79

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

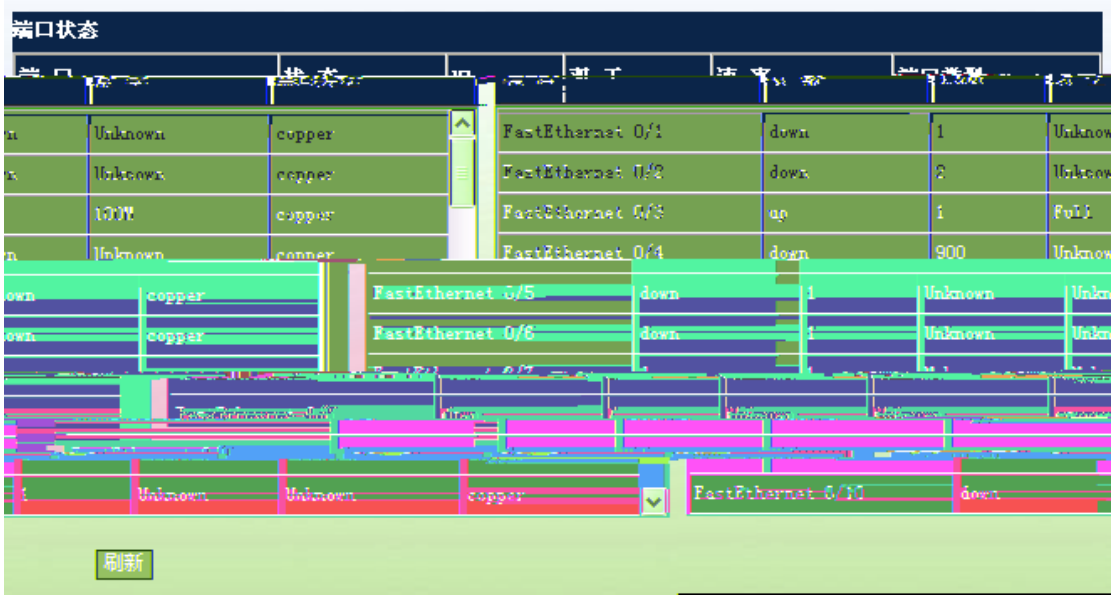
当前配置

```
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

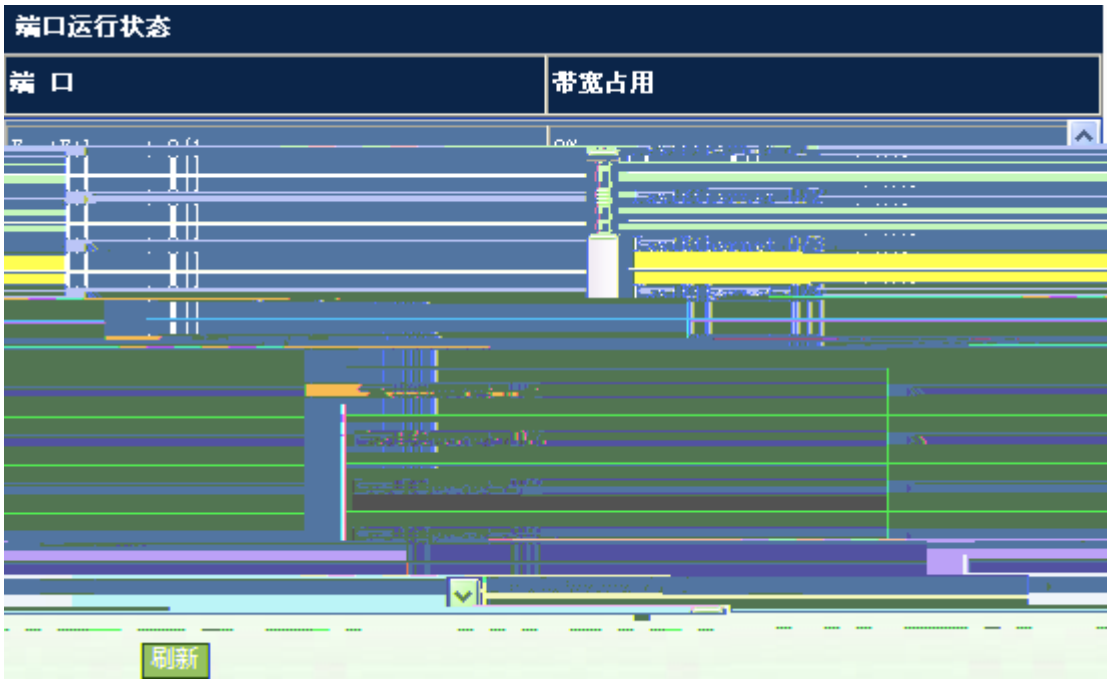
1-81



1.8.4

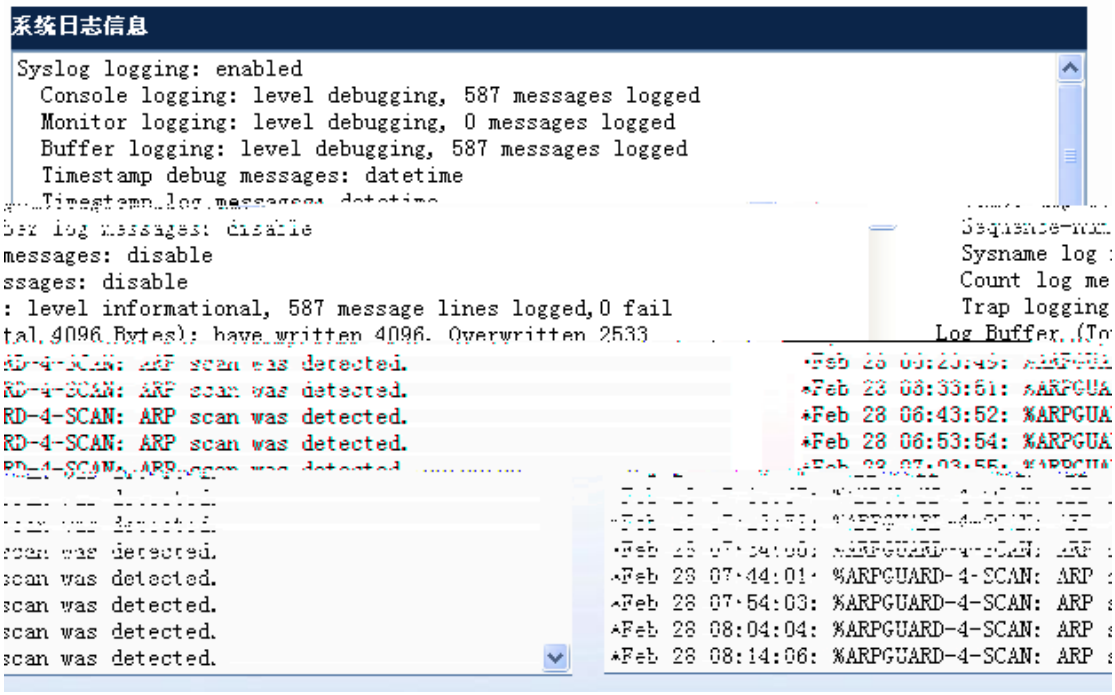
“ ” WEB

1-82



1.8.5

“ ” WEB



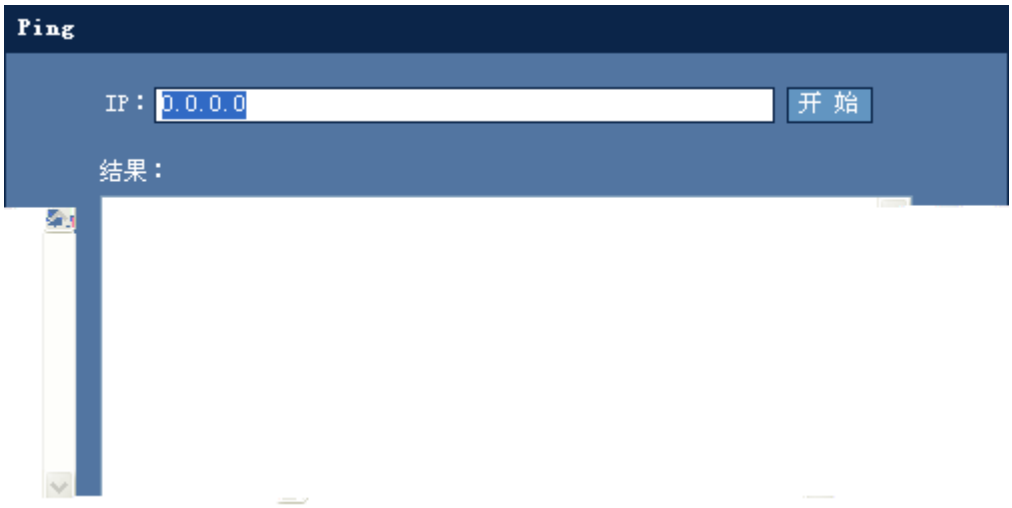
1.9

1.9.1 Ping

“Ping”

Ping

1-85 Ping

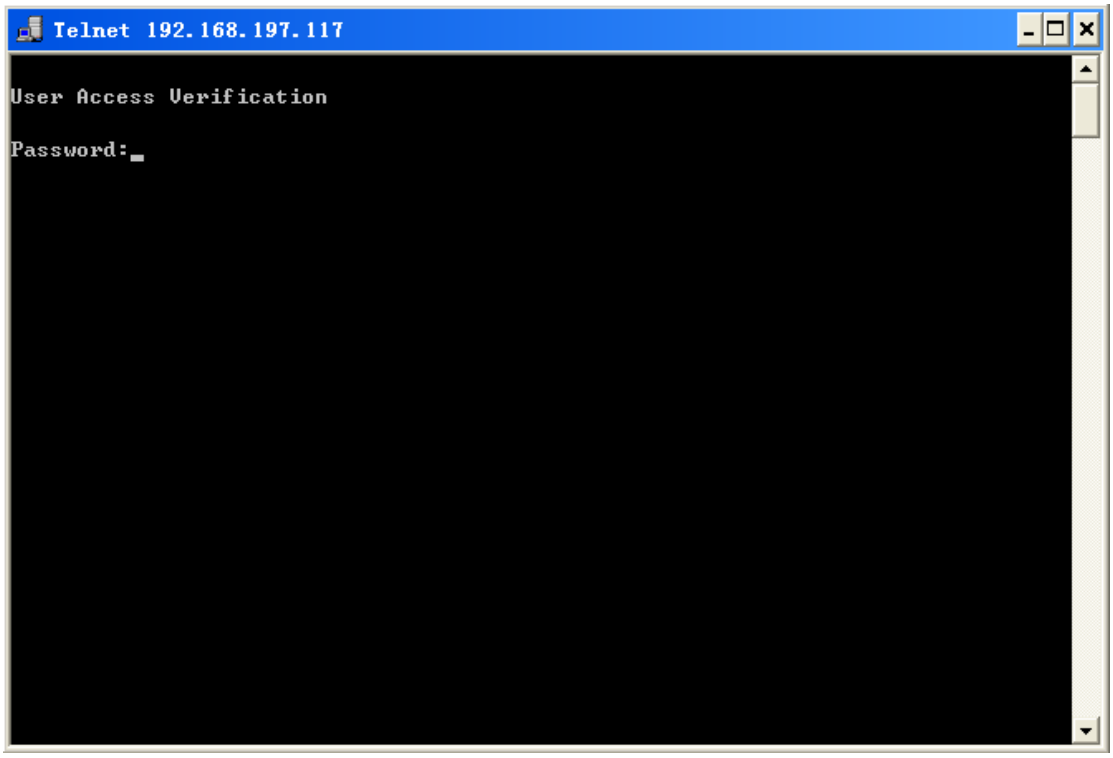


1.9.2 Telnet

ч “ Telnet ” ą w

Telnet

ъ 1-86 Telnet



Ð ч “ Telnet ” U Ø Telnet w PC Ø Telnet Ⱶ ѽ Ø PC Telnet Ⱶ

1.9.3

ч “ ” ą w

ъ 1-87

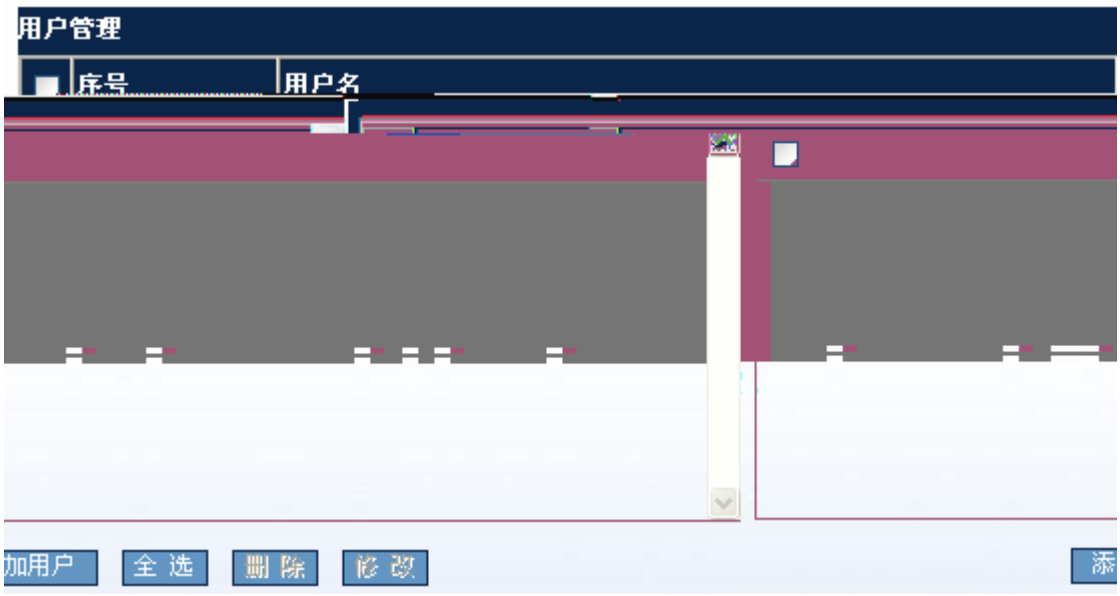
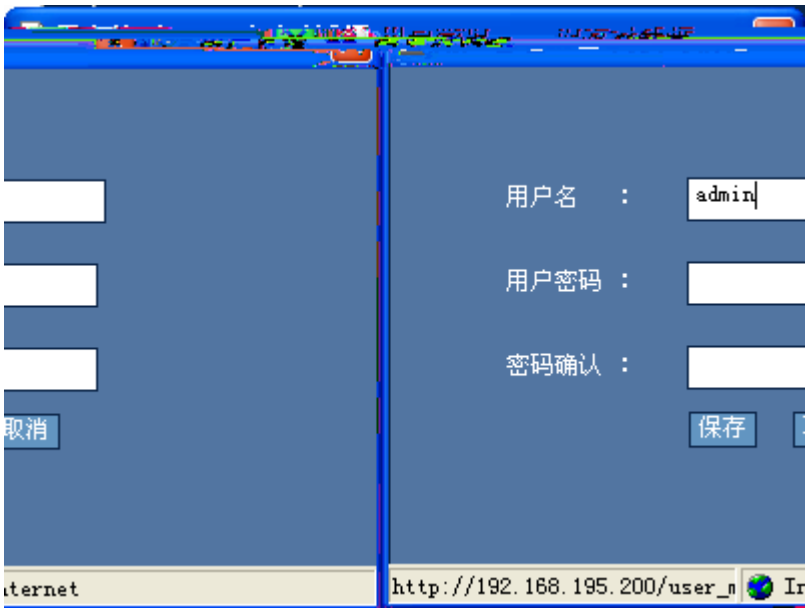


图 1-88

图 1-89



~ O ė U “ Ḡ ” ą wU ḱ U ض

1.9.4

ɬ “ ” ą w

Ḵ / u u ŏ ɣ

ќ Enable。 Ɒ

ќ Enable。 Ɒ ~ 。 Ɒ U “ Ḡ ” ą ₹

ぇ 1-91

。 Ɒ

ќ Telnet 。 Ɒ

ќ Telnet。 Ɒ ~ 。 Ɒ U “ Ḡ ” ą

1.9.5 /

ヽ “ ~/ ₹ ” ą w

~/ ₹

ぇ 1-92 ~/ ₹

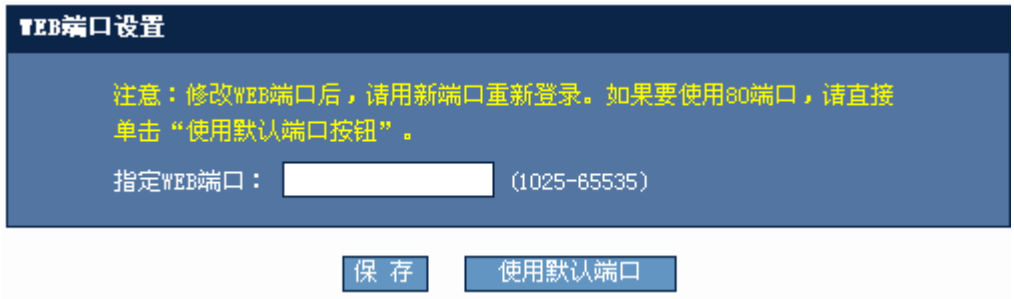
config.text TFTP IP TFTP “ ” config.text TFTP “ ” TFTP

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
username admin privilege 15          //WEB              15
no service password-encryption
ip http authentication local          //WEB       local
!
enable service web-server           //  WEB
                                      //        IP
```

```
May 13 11:50:07 CST 2009 -ngcf32)
```

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