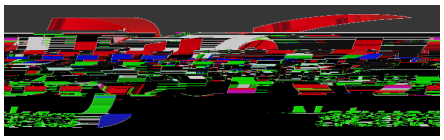

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UJ0V8:830H+S,ꓘ̃ ꓟ Ỏ ū

UJRV 4317+6e4;,

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RGOS 10.4(3b18)

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

http://webchat.ruijie.com.cn

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

7 × 24 4008-111-000

/portal.php

http vice/know.aspx

0@ruijie.com.cn

1 WEB

1.1 WEB

WEB IE

WEB WEB WEB WEB
WEB WEB IE

1.2

1.2.1

WEB WEB WEB PC
IPAD

IE6.0 IE7.0 IE8.0 IE maxthon WEB

1024*768 1280*1024 1440*960

1.2.2

WEB

WEB

IP

1.3 WEB

WEB WEB “ WEB ”

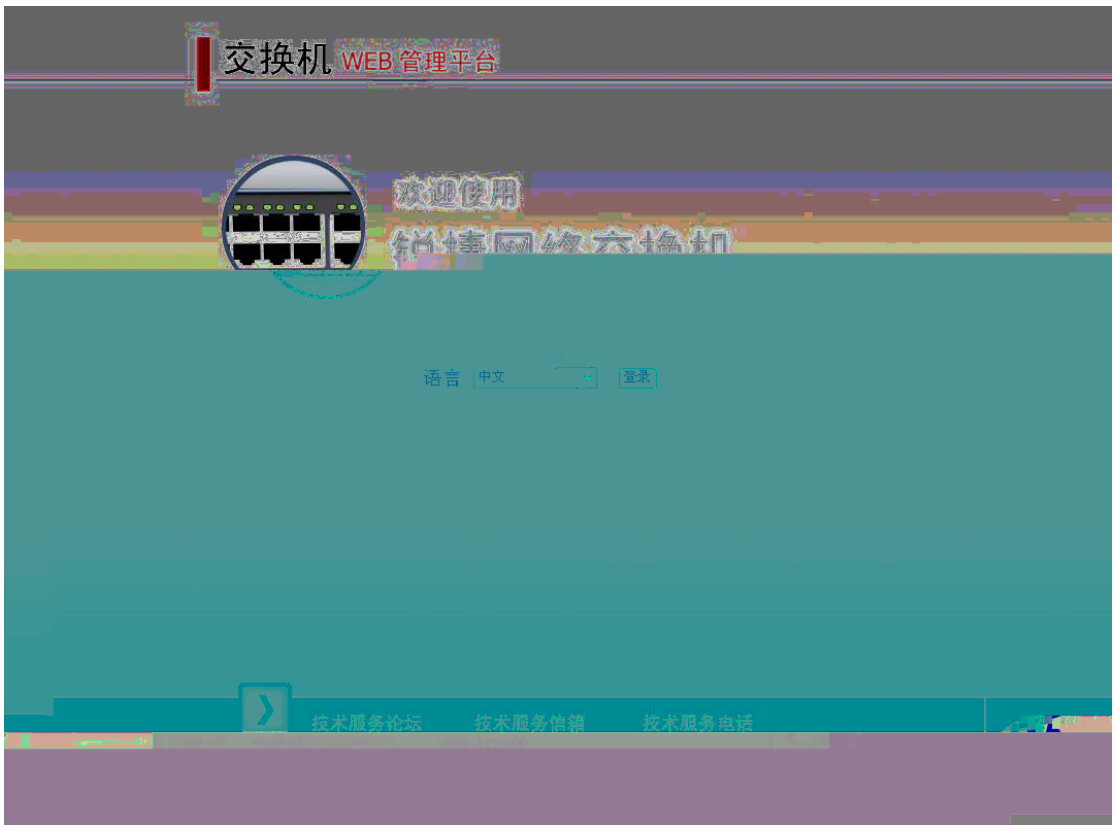
WEB	Enable Enable

1.4 WEB

IP IP WEB

IP http://192.168.1.200,

1-1


交换机 WEB 管理平台
欢迎使用
语言 中文
登录
技术服务论坛
技术服务信箱
技术服务电话

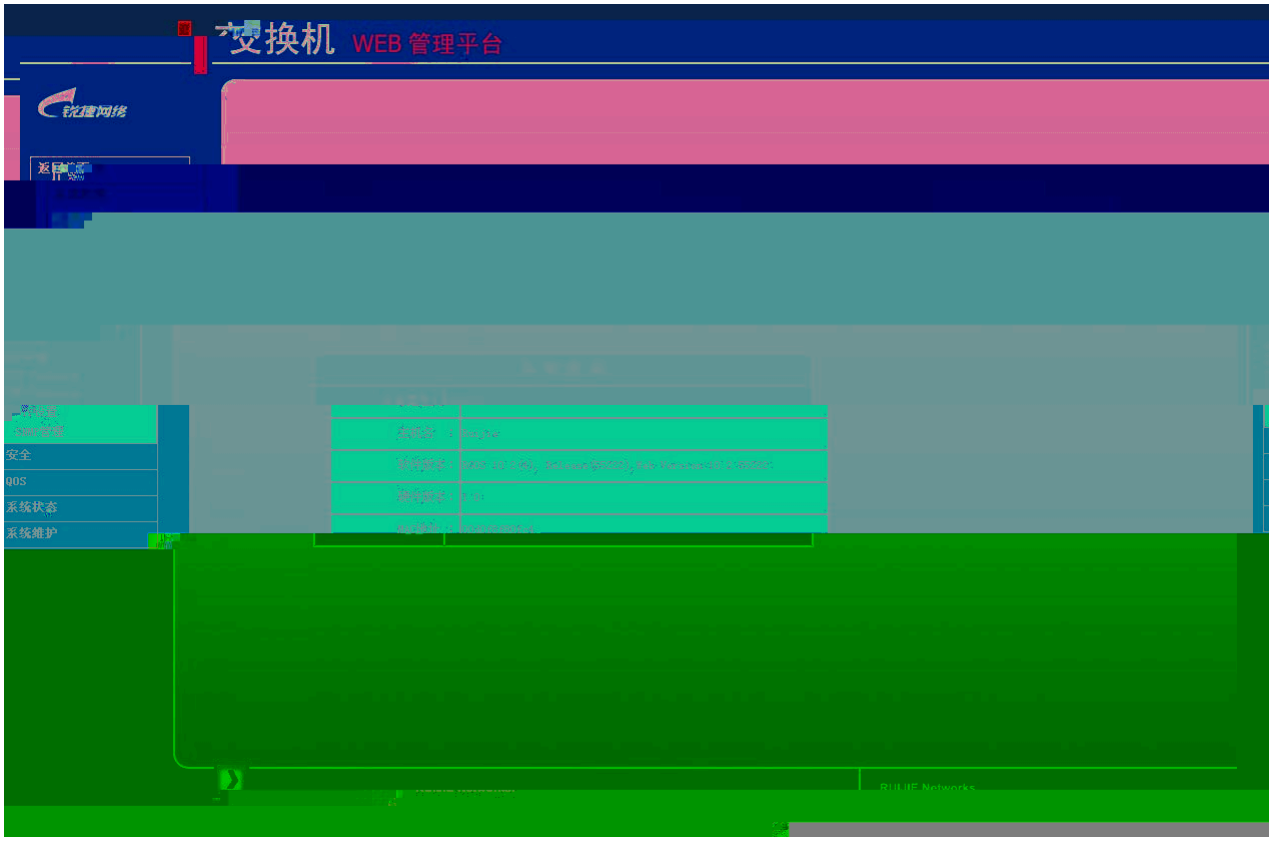
“ ”

1-2

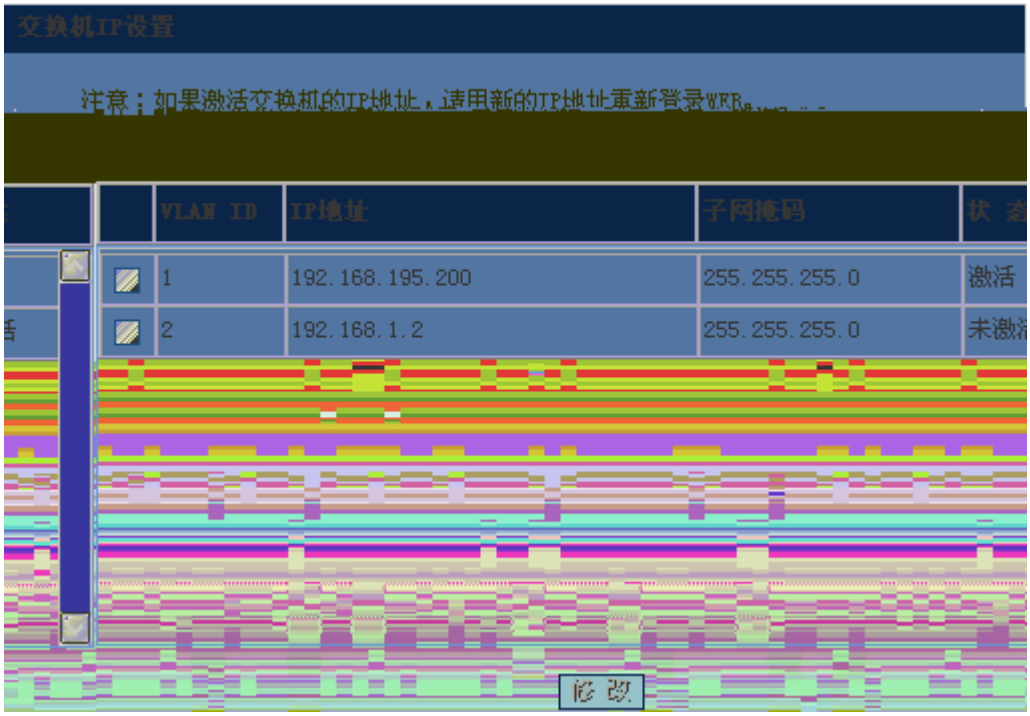
Level 15 Access
确定
取消

WEB

1-3 WEB



1.5 ζ ך P



ip “ ”

1-5 IP

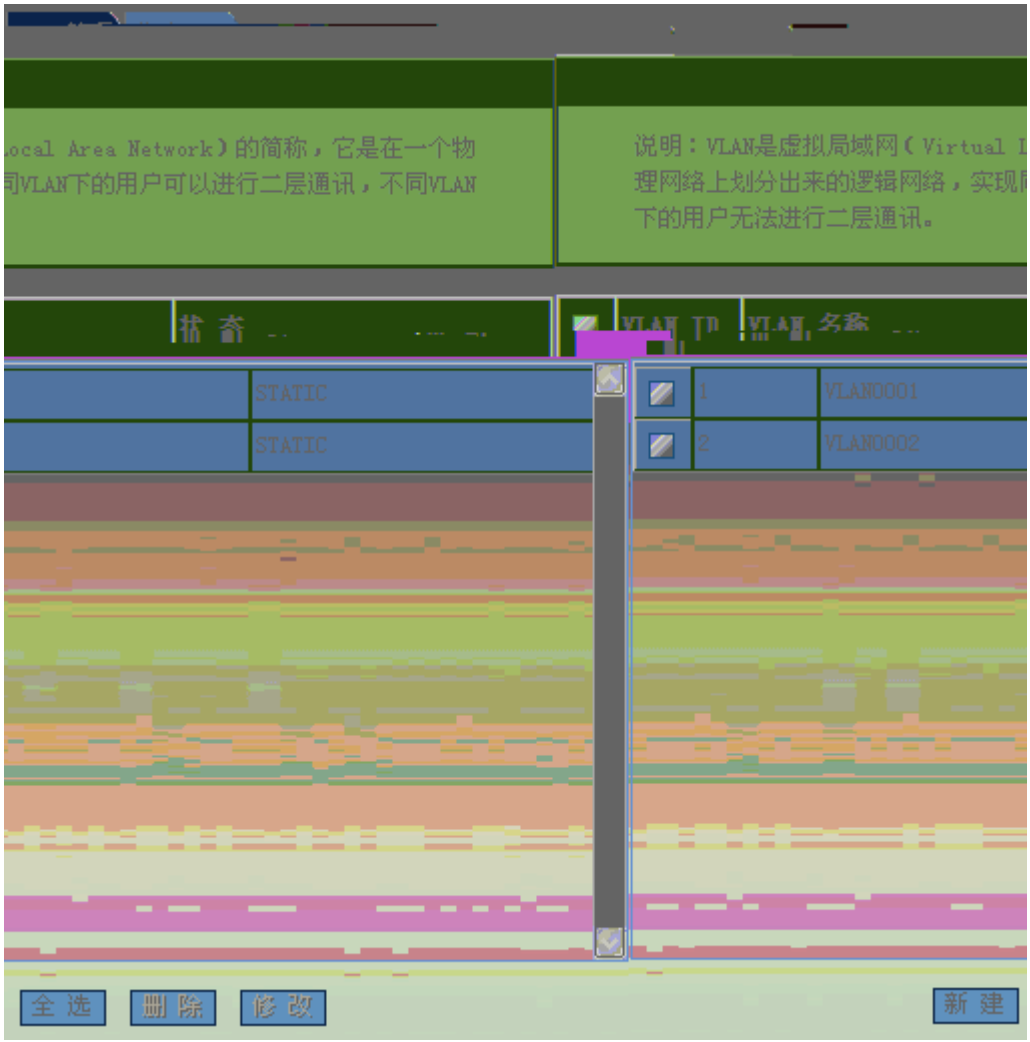
IP “ ”

1.5.2 VLAN

“ VLAN

VLAN

1-6 VLAN

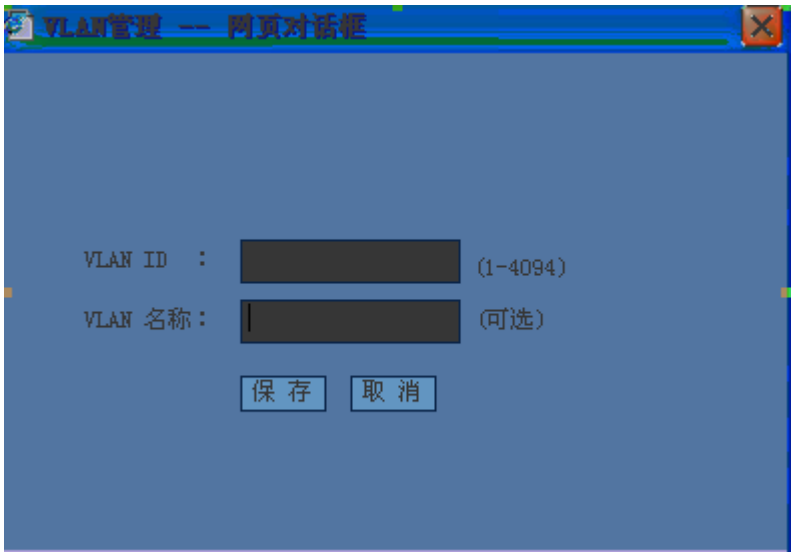


VLAN

VLAN VLAN VLAN

“ ”

1-7 VLAN

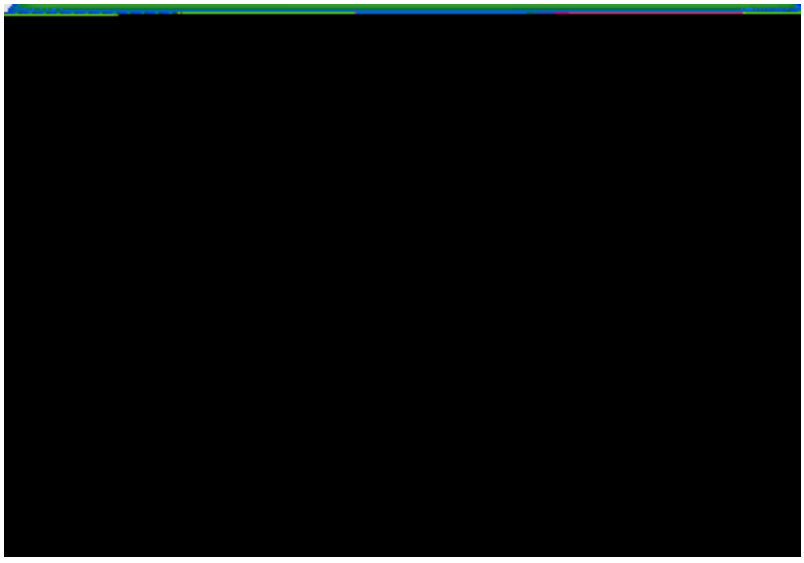


VLAN ID VLAN “ ” VLAN VLAN

VLAN “ ”

VLAN “ ”

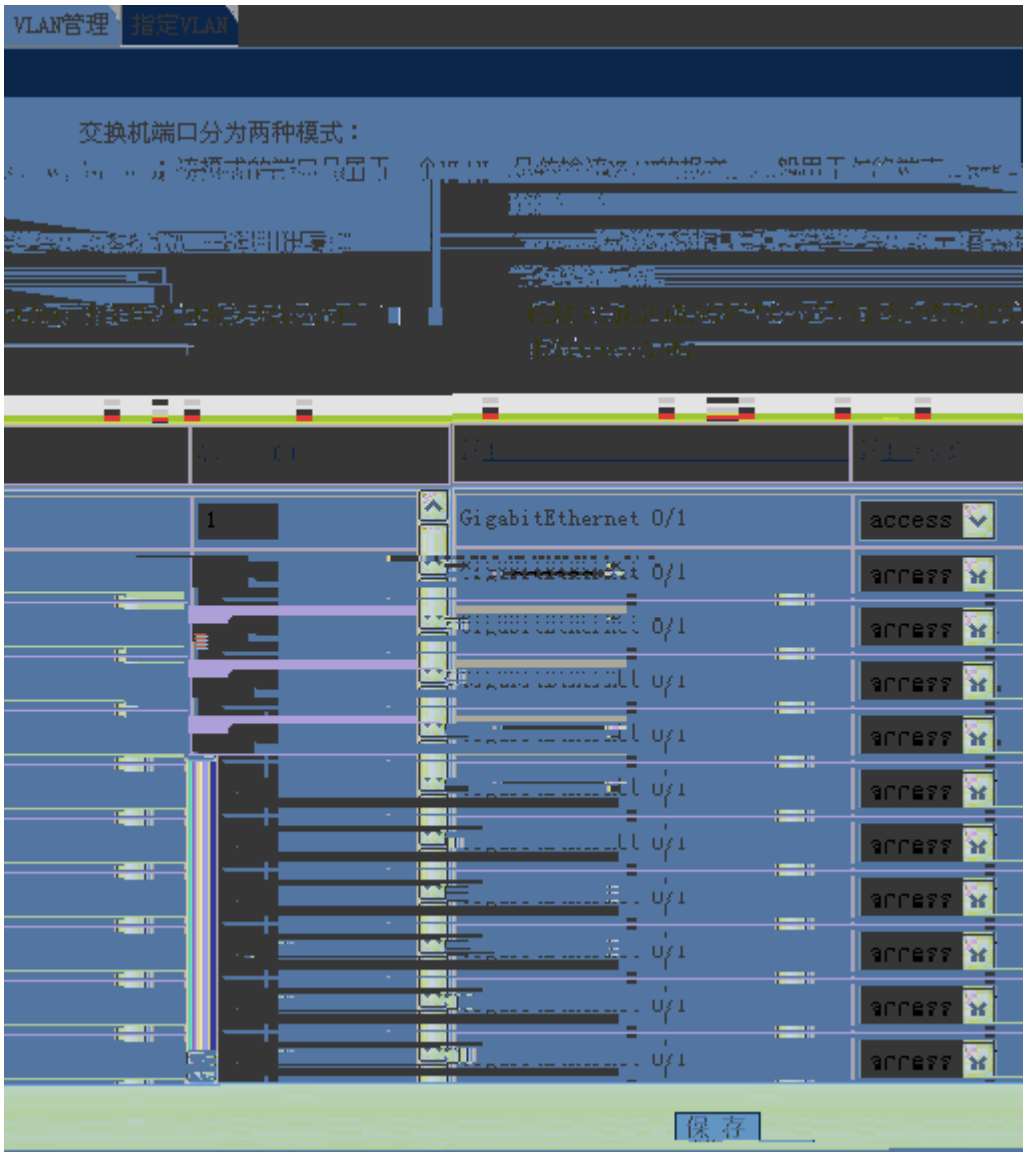
1-8 VLAN



VLAN “ ” VLAN

VLAN

1-9 VLAN

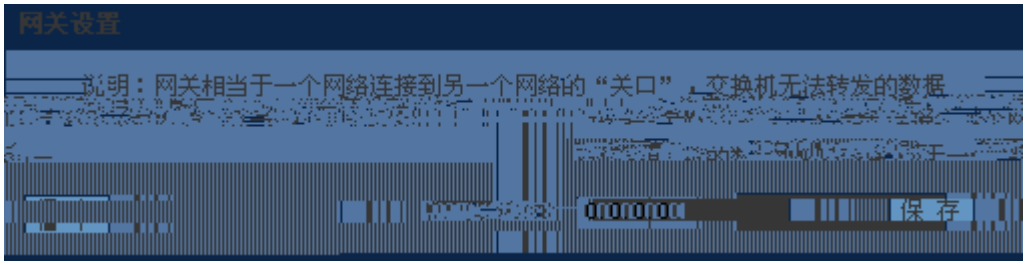


VLAN ID “ ”

1.5.3

“ ”

1-10



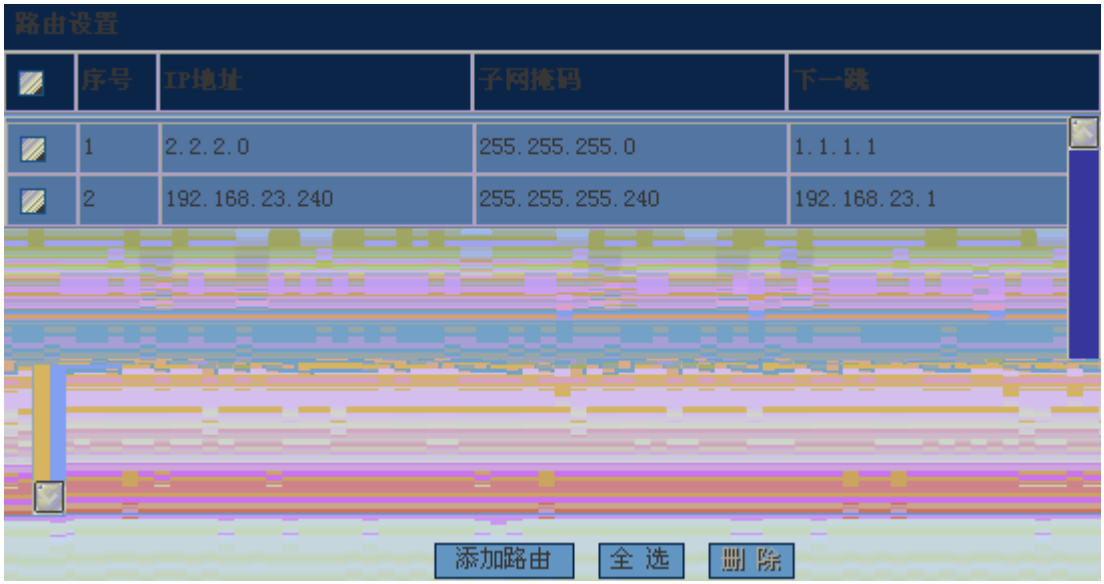
IP

IP “ ”

1.5.4

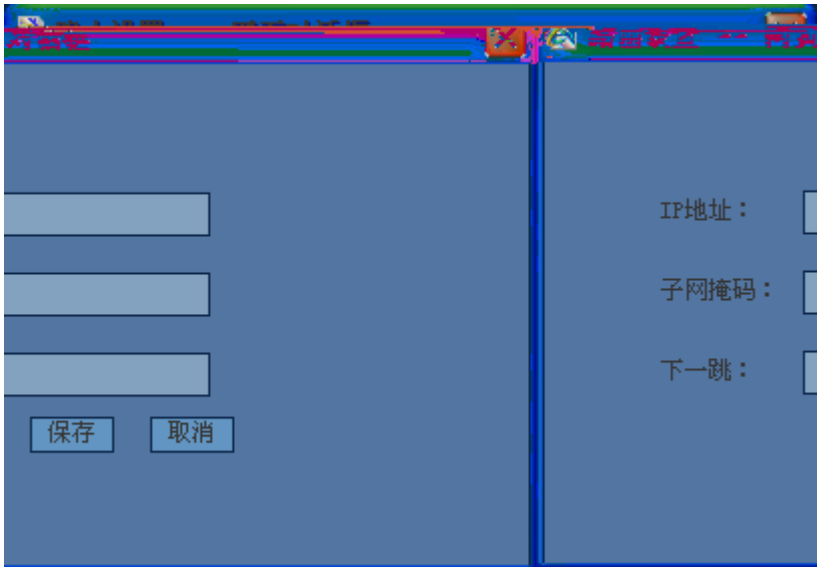
“ ”

1-11



“ ”

1-12



IP “ ”

“ ”

1.5.5

“ ”

1-13

端口镜像设置
注意：设置交换机的端口监控，监控端口与被监控端口不能是同一个端口。如果指定了同一端口，该端口将被配置成监控端口。
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
GigabitEthernet 0/12
GigabitEthernet 0/13
GigabitEthernet 0/14
GigabitEthernet 0/15
GigabitEthernet 0/16
GigabitEthernet 0/17
GigabitEthernet 0/18
GigabitEthernet 0/19
GigabitEthernet 0/20
GigabitEthernet 0/21
GigabitEthernet 0/22
GigabitEthernet 0/23
GigabitEthernet 0/24
所有数据
删除端口监控
保 存

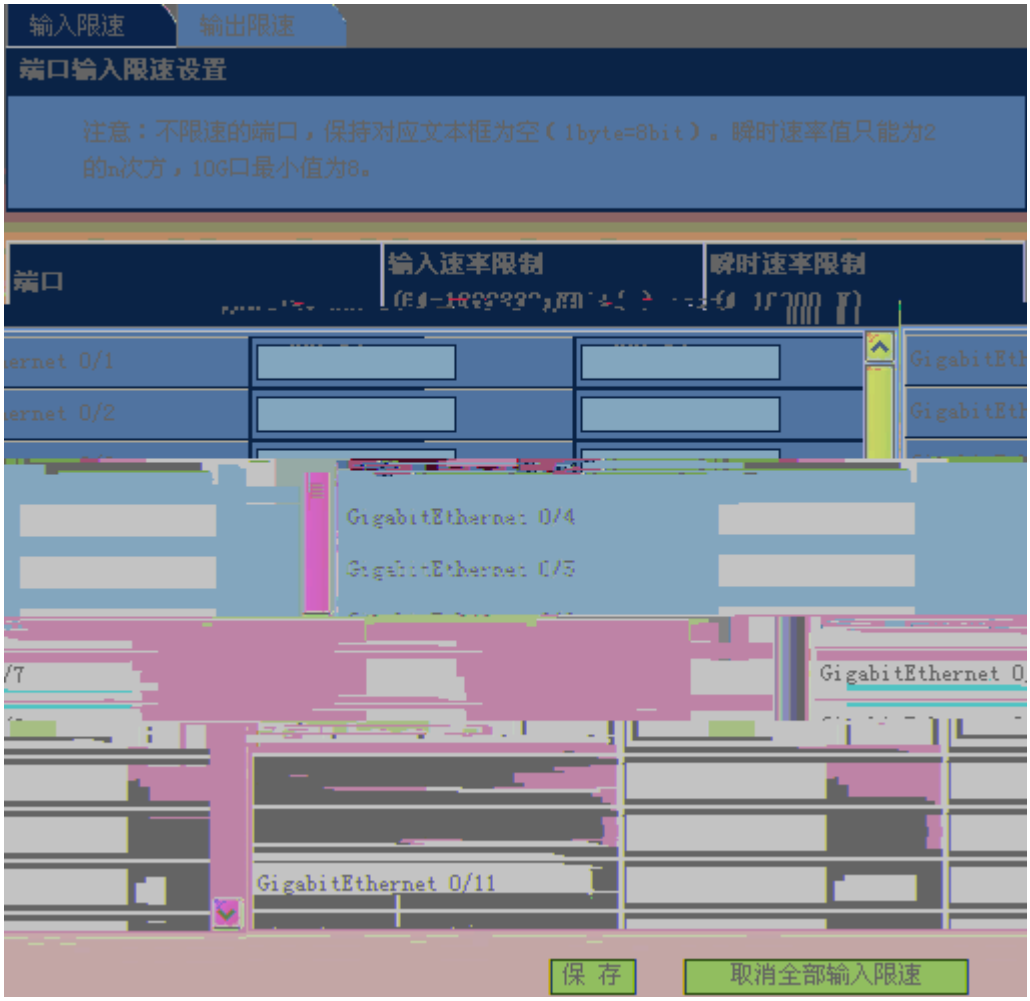
“ ”

“ ”

1.5.6

“ ”

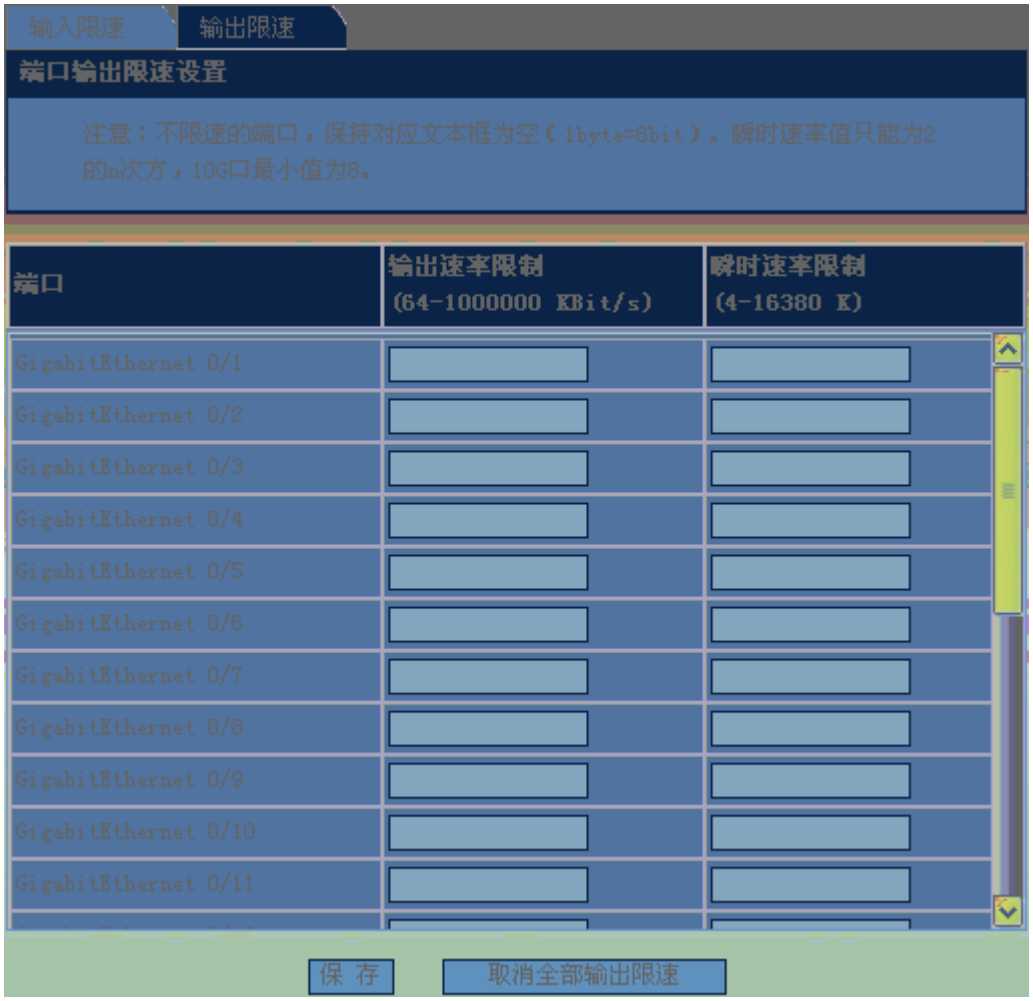
1-14


输入限速
输出限速
端口输入限速设置
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
输入速率限制
瞬时速率限制
GigabitEthernet 0/4
GigabitEthernet 0/11
保 存
取消全部输入限速

2 n “ ”

“ ”

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
保 存
取消全部输出限速

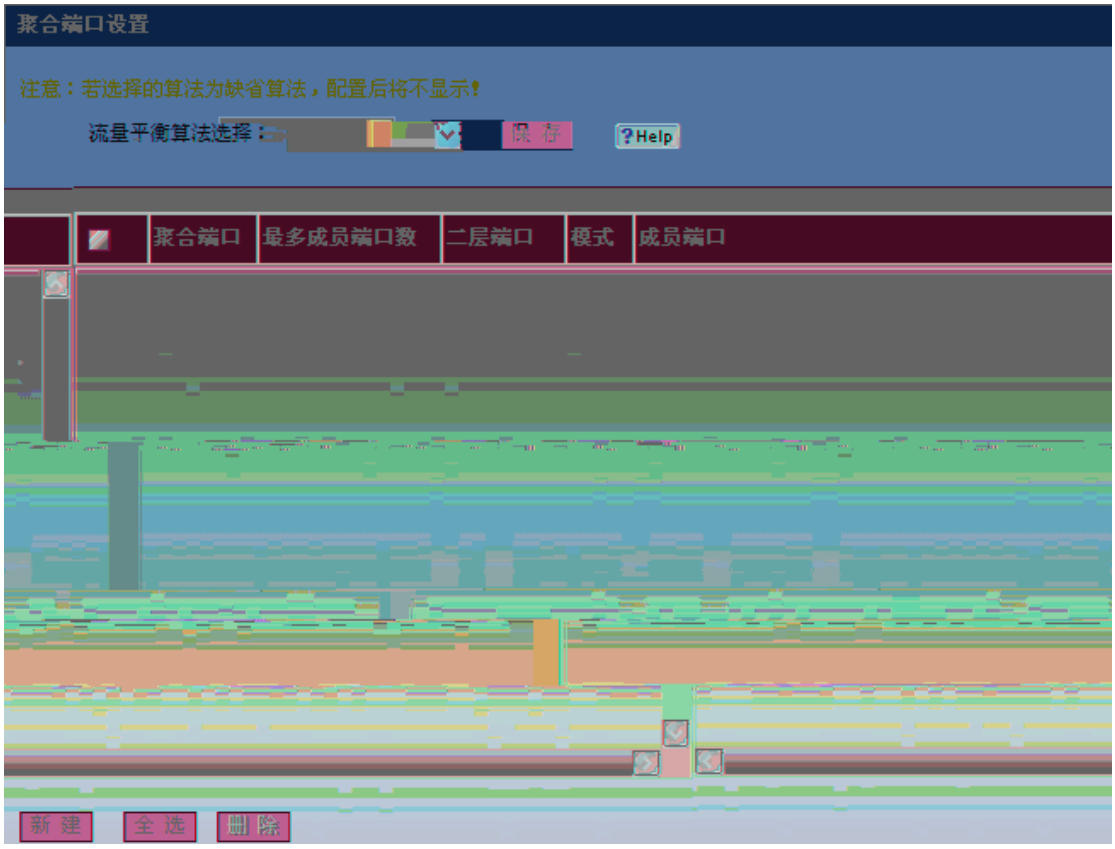
“ ”

“ ”

1.5.7

“ ”

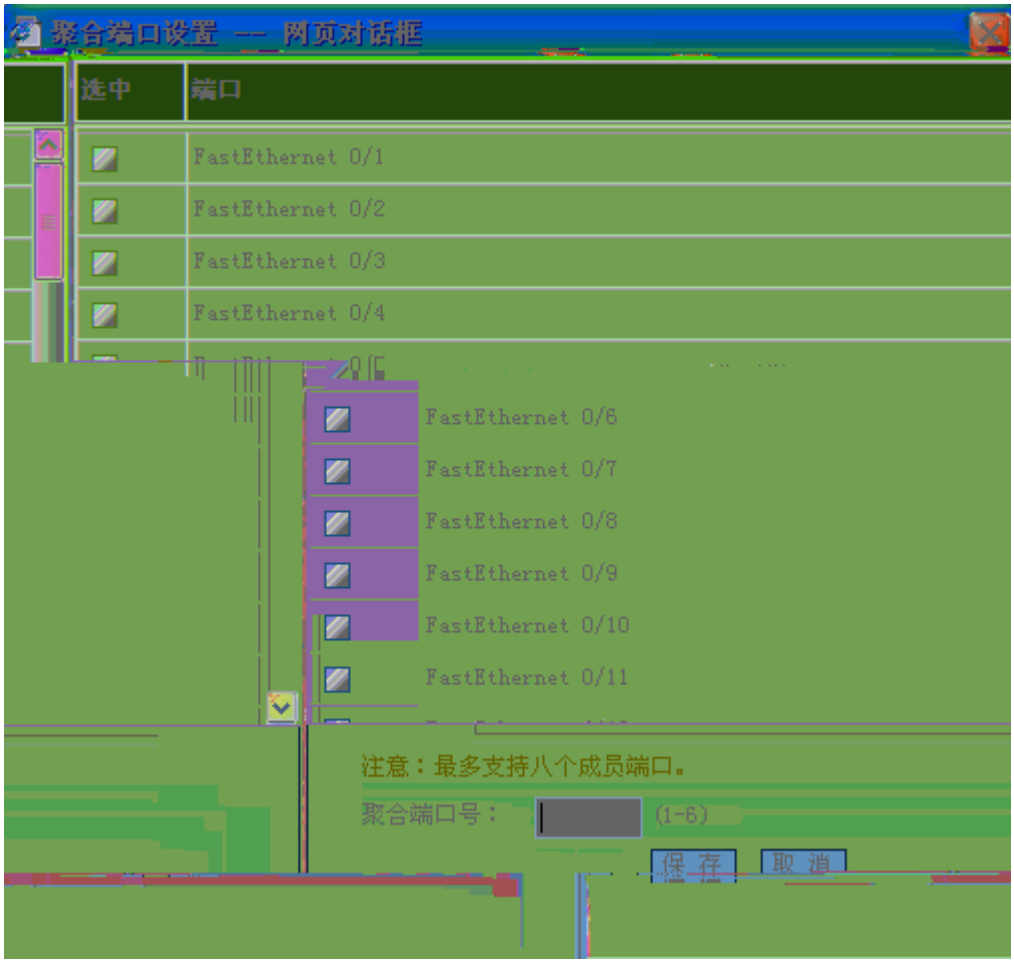
1-16


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

“ ”

“ ”

1-17


聚合端口设置 -- 网页对话框
选中
端口
FastEthernet 0/1
FastEthernet 0/2
FastEthernet 0/3
FastEthernet 0/4
FastEthernet 0/6
FastEthernet 0/7
FastEthernet 0/8
FastEthernet 0/9
FastEthernet 0/10
FastEthernet 0/11
注意：最多支持八个成员端口。
聚合端口号：
(1-6)
保 存
取 消

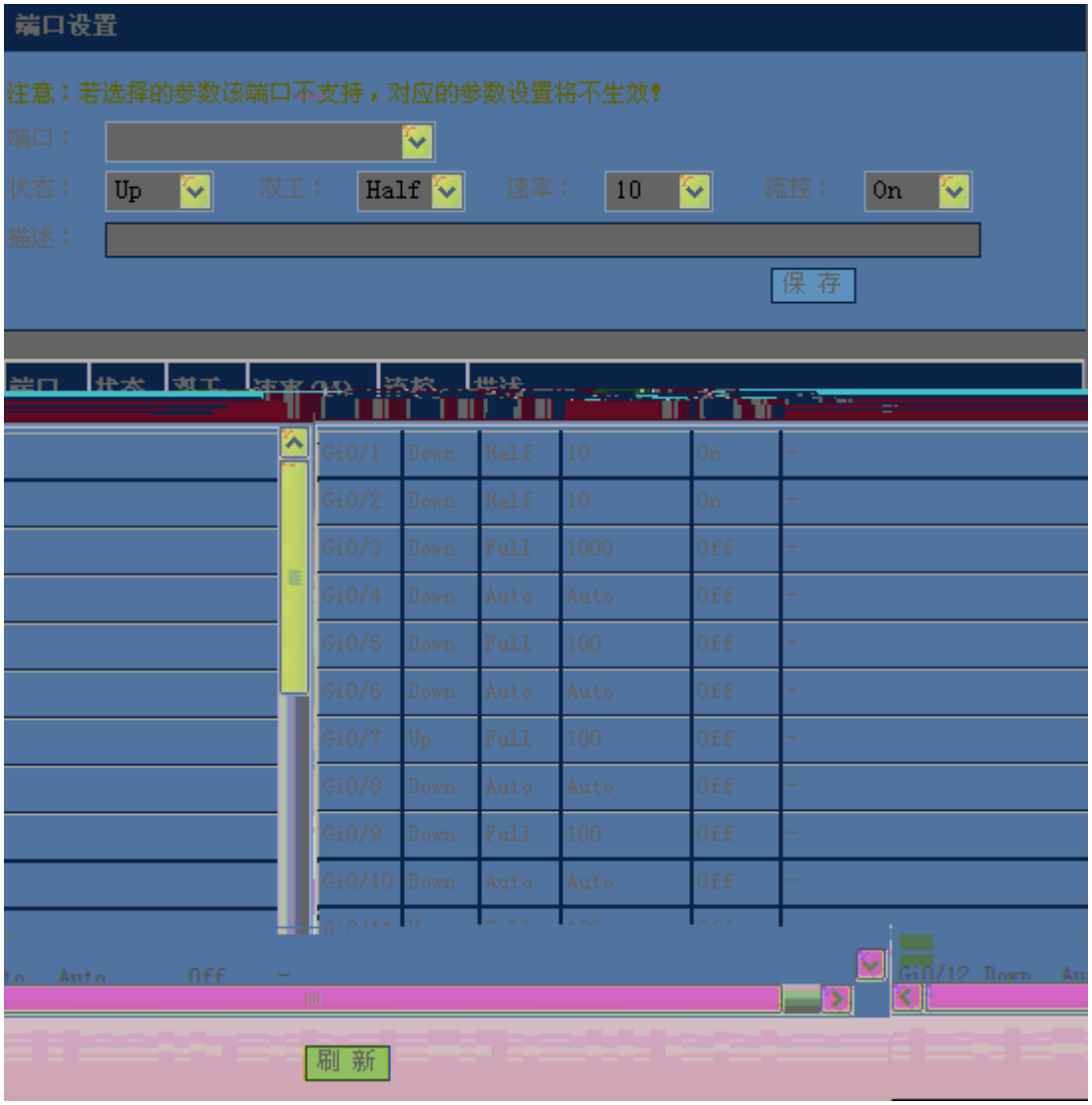
“ ”

“ ”

1.5.8

“ ”

1-18



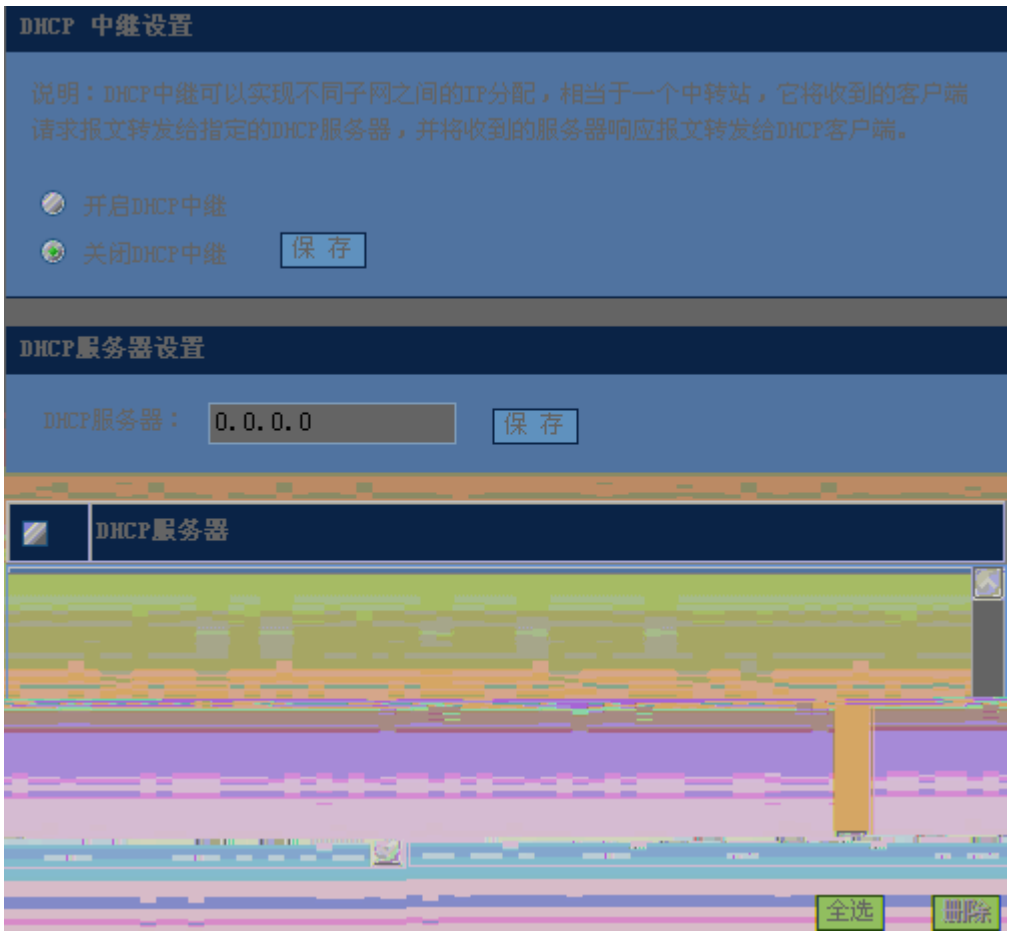
“ ”

1.5.9 DHCP

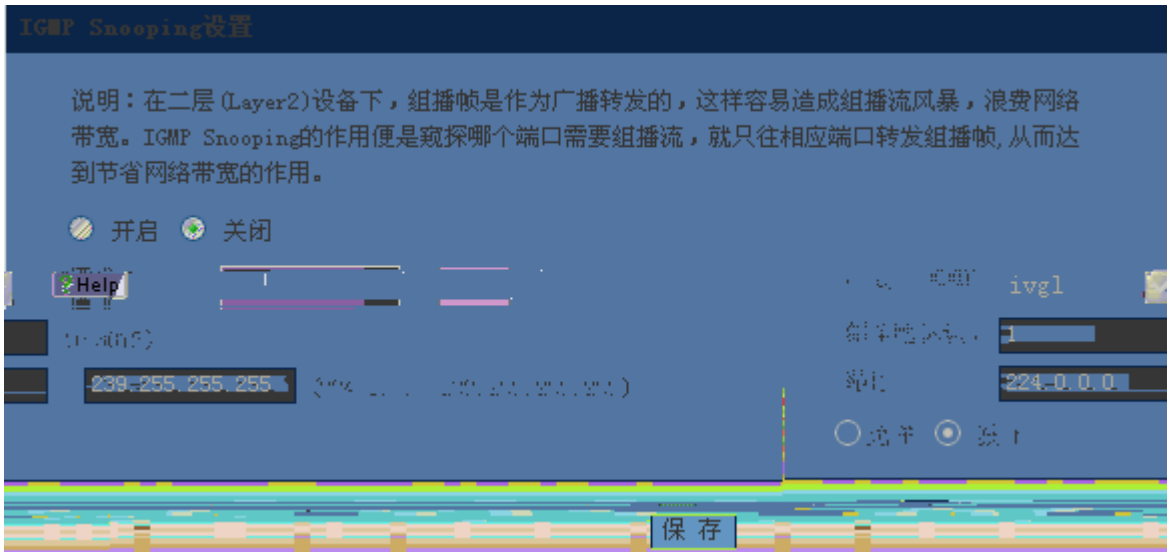
“ DHCP ”

DHCP

1-19 DHCP


DHCP 中继设置
说明：DHCP中继可以实现不同子网之间的IP分配，相当于一个中转站，它将收到的客户端请求报文转发给指定的DHCP服务器，并将收到的服务器响应报文转发给DHCP客户端。
开启DHCP中继
关闭DHCP中继
保 存
DHCP服务器设置
DHCP服务器：
0.0.0.0
保 存
DHCP服务器
全选
删除

0 ‘



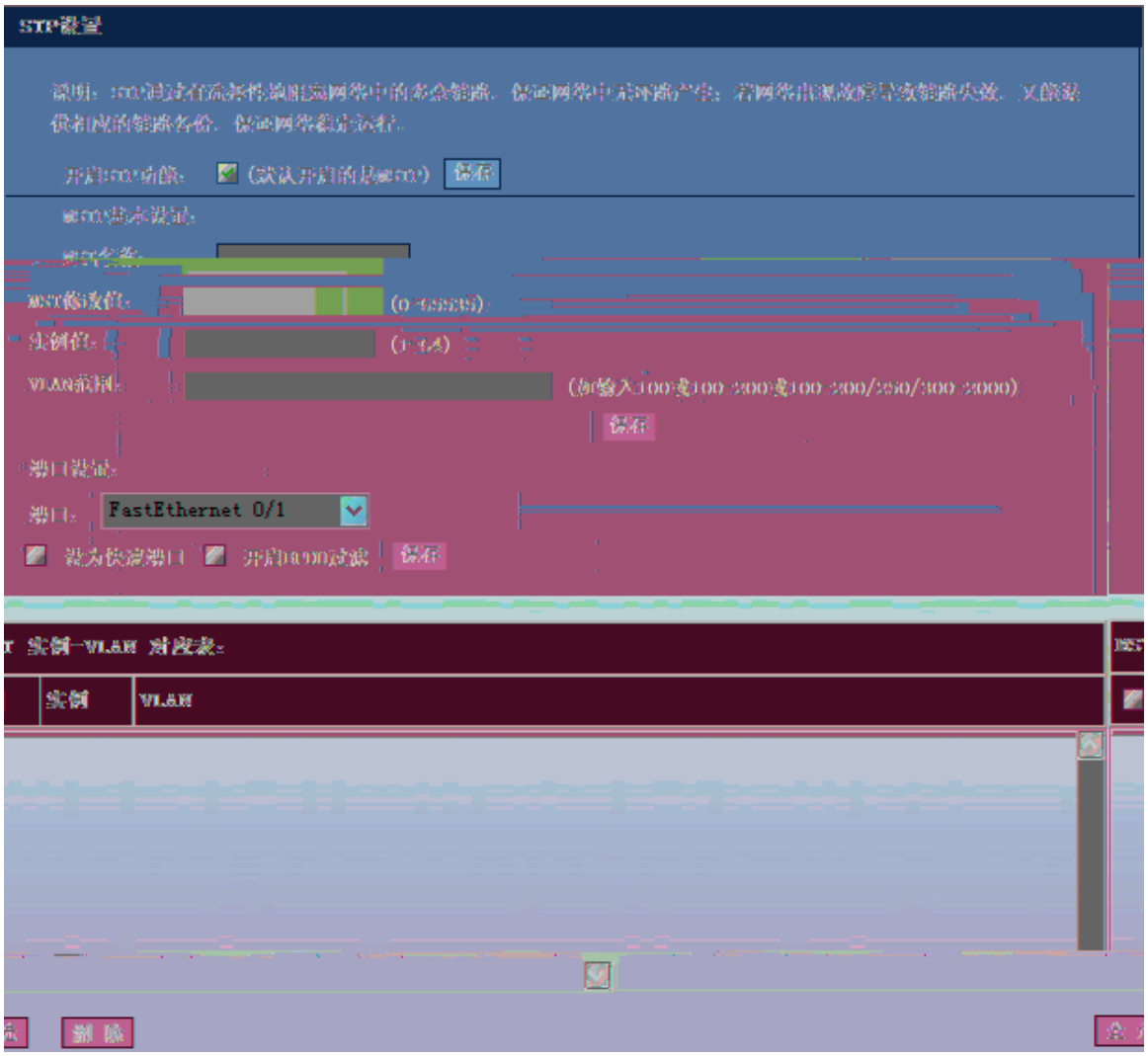
IGMP Snooping “ ” ivgl svgl ivgl-svgl svgl ivgl-svgl IP “ ” IGMP Snooping “ ” “ ”

1.5.11 STP

“ STP ”

STP

1-21 STP



“ STP ” “ ” STP MSTP MSTP
BPDU “ ”

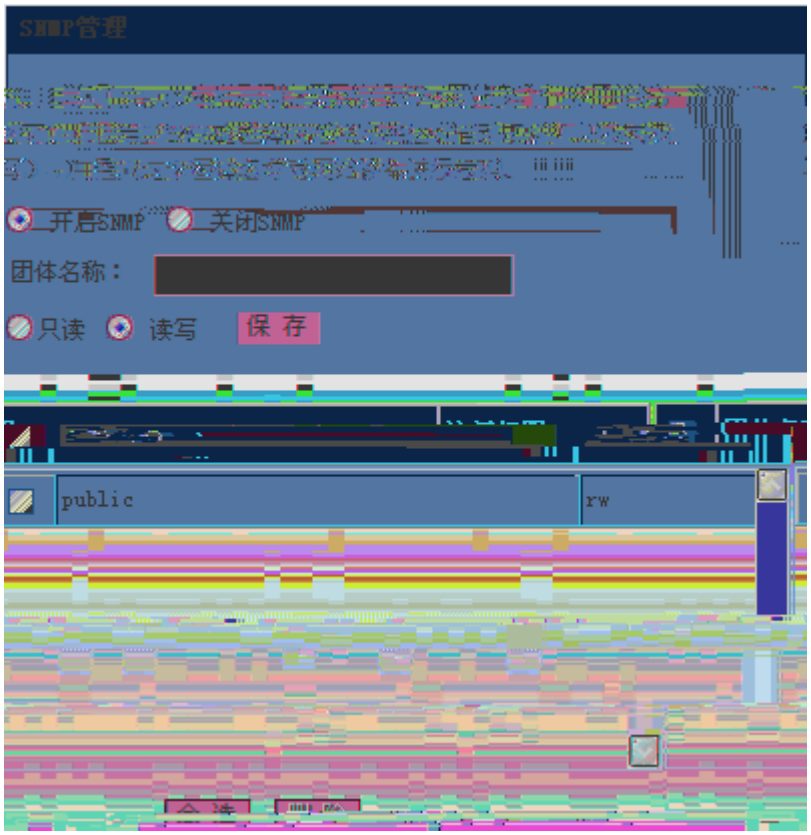
MSTP MSTP VLAN -VLAN “ ”
-VLAN

1.5.12 SNMP

“ SNMP ”

SNMP

1-22 SNMP



SNMP “ SNMP ”

“ ” SNMP “ SNMP ” “ ”

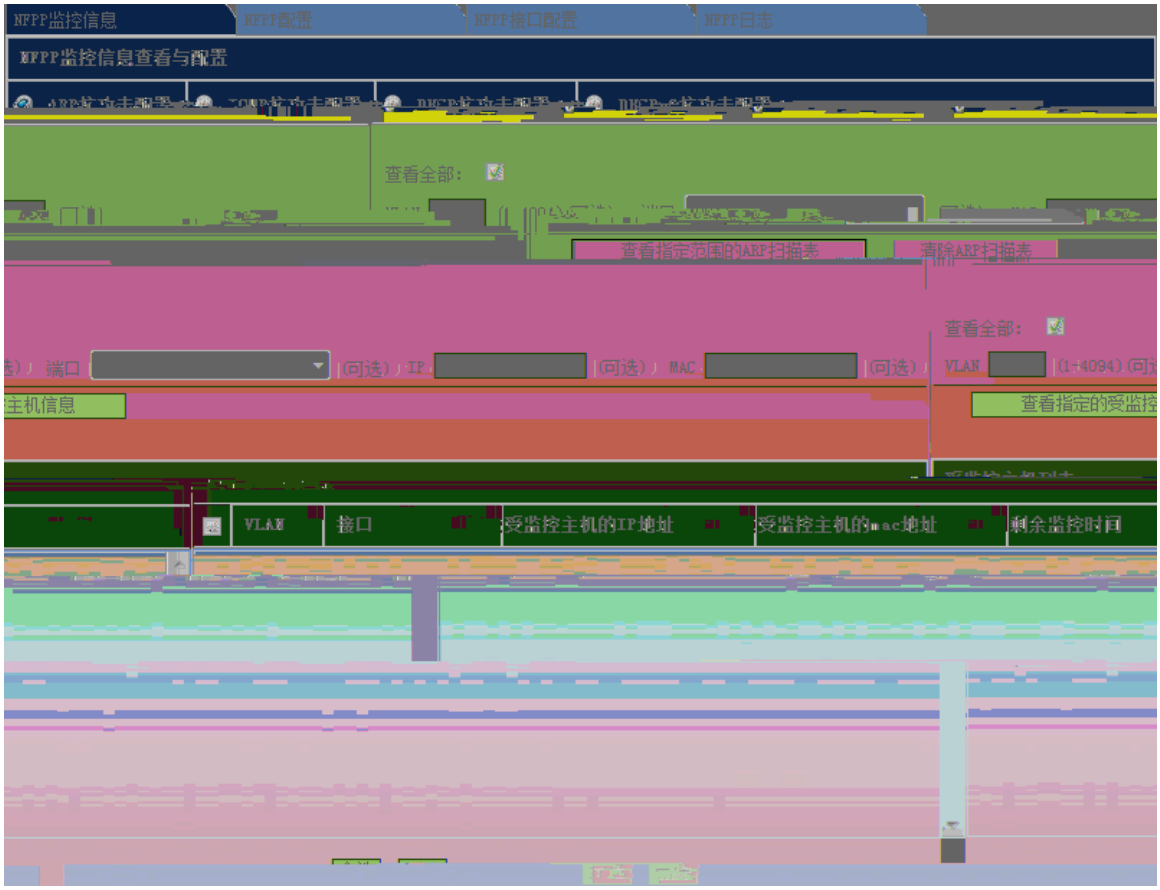
“ ”

1.5.13 NFPP

“ NFPP ”

NFPP

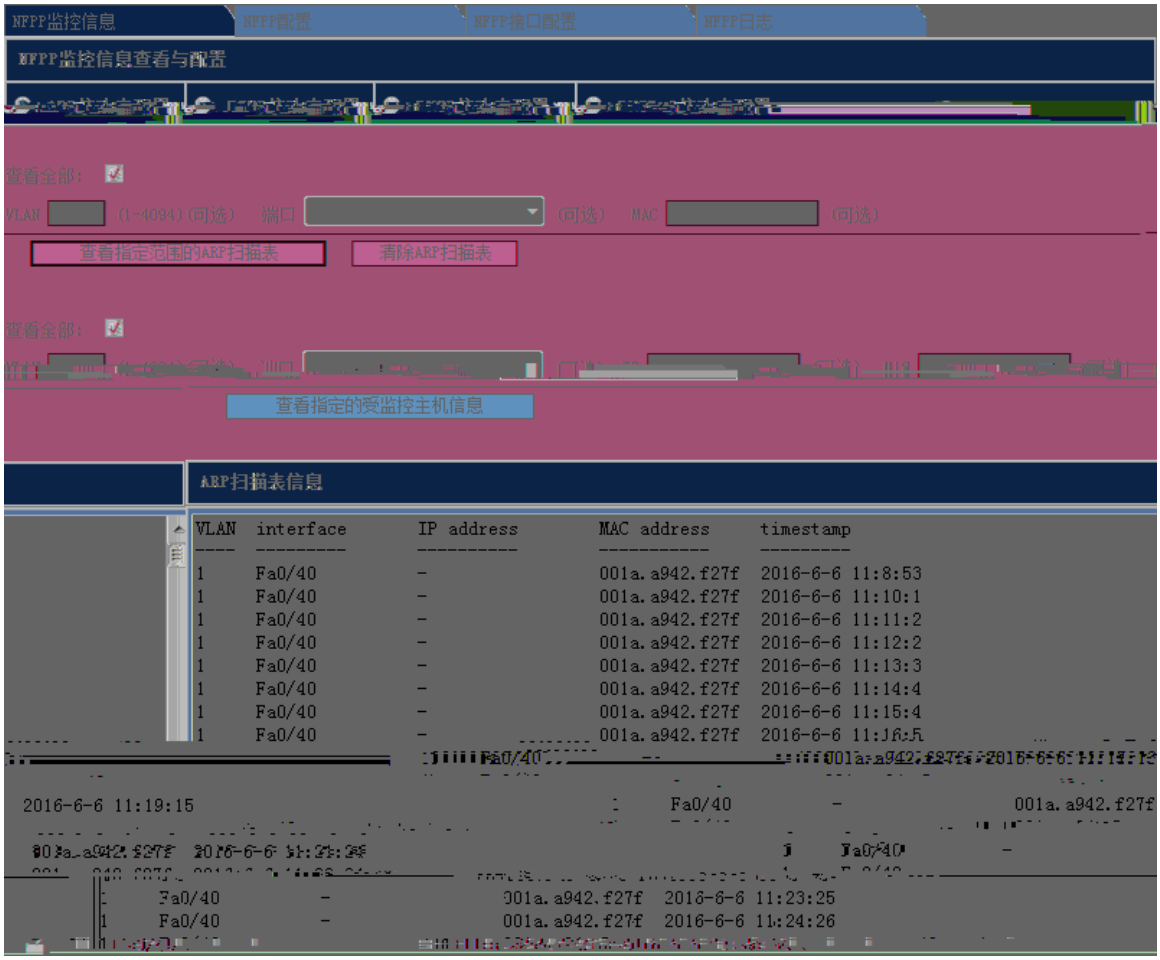
1-23 NFPP



NFPP

1) ARP

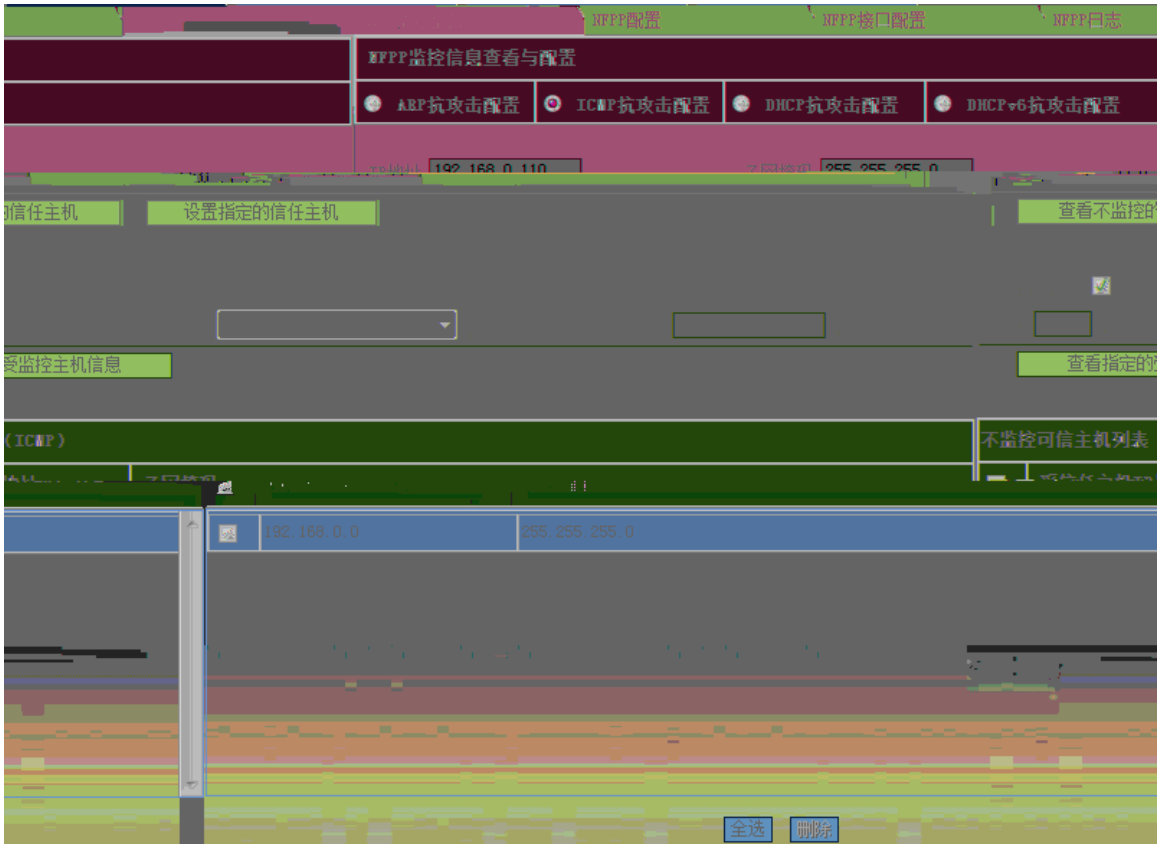
1-24 NFPP —ARP



ARP “ ARP ”
ARP “ ” ARP
“ ARP ” ARP “ ”
“ ”
“ ” “ ” “
”

2) ICMP

1-25 NFPP —ICMP



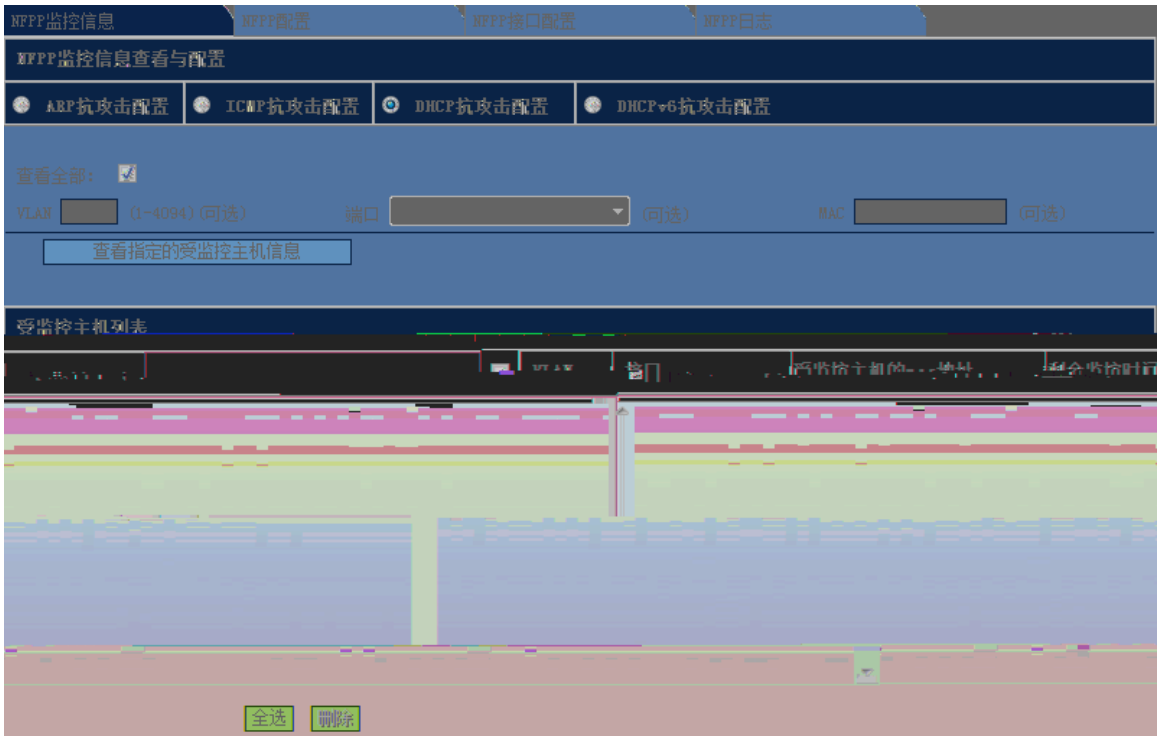
ICMP “ ”

IP “ ”

“ ” “

”

3) DHCP

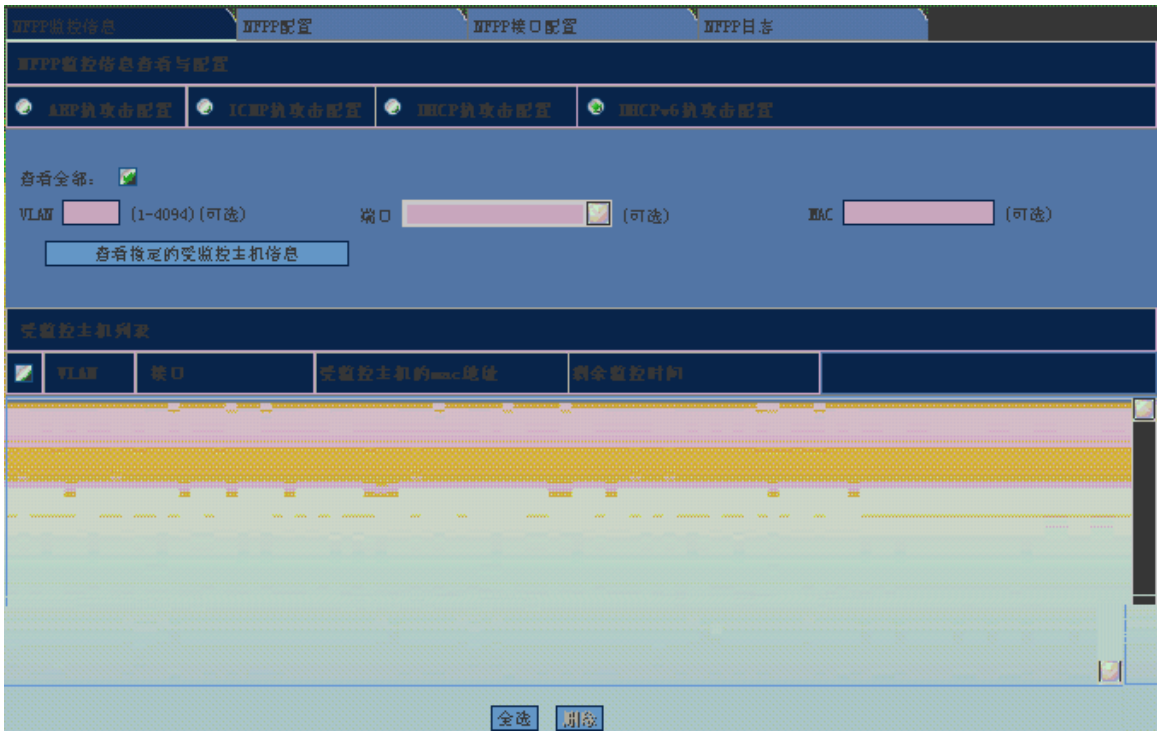


DHCP “

” “ ”

4) DHCPv6

1-27 NFPP —DHCPv6



DHCPv6 “
” “ ”

NFPP

1-28 NFPP

1) CPU

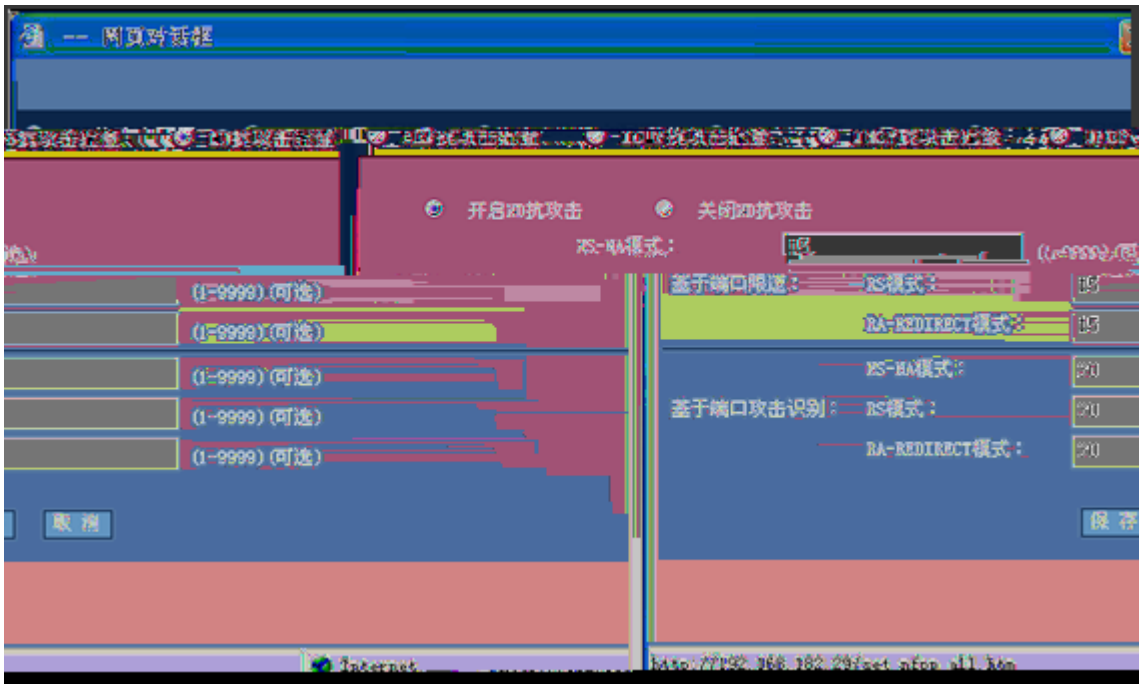
1-29 CPU

CPU “ ”

“ ”

2) NFPP

1-30 NFPP



NFPP “ ” NFPP

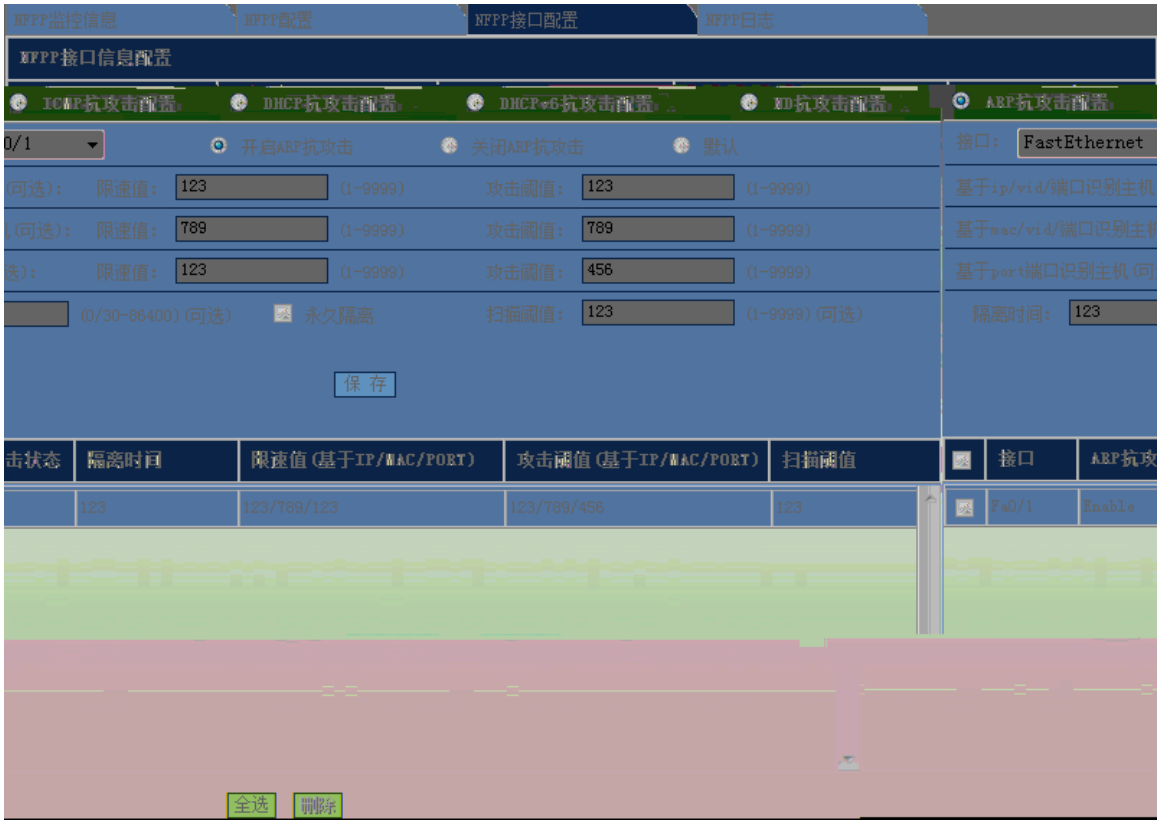
“ ” NFPP “ ”

“ ”

NFPP

1) ARP

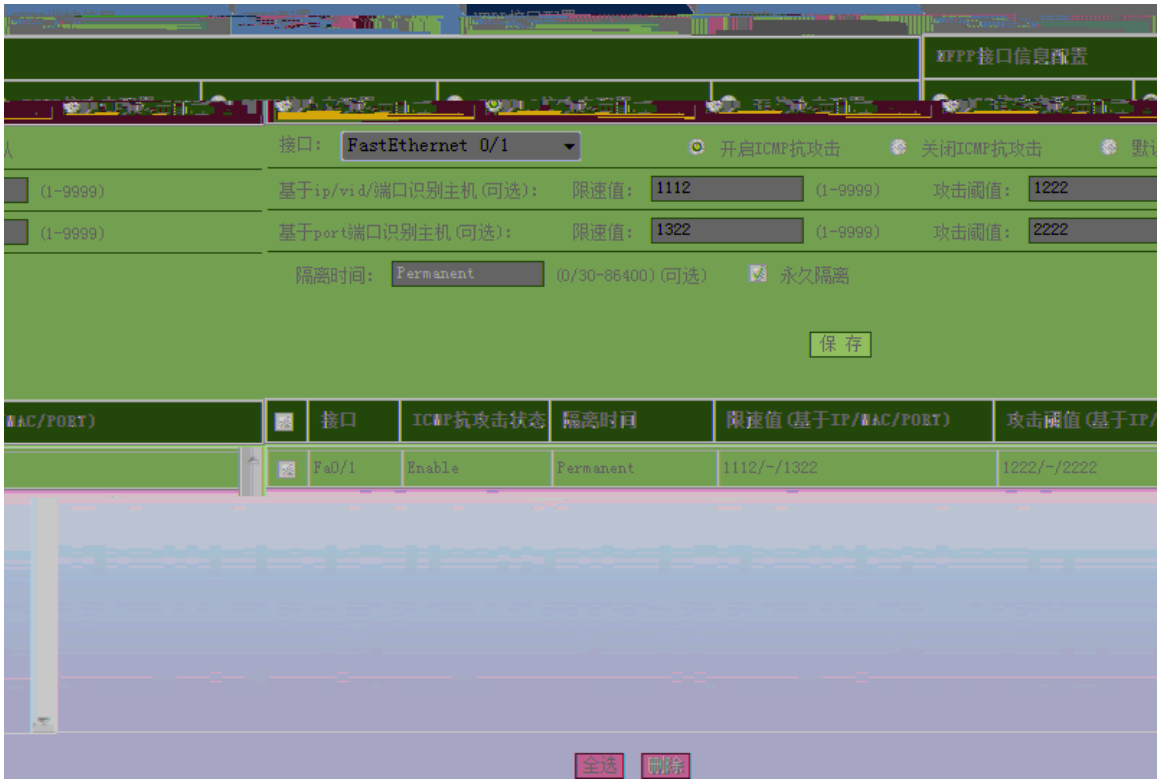
1-31 NFPP —NFPP ARP



ARP NFPP “ ”

2) ICMP

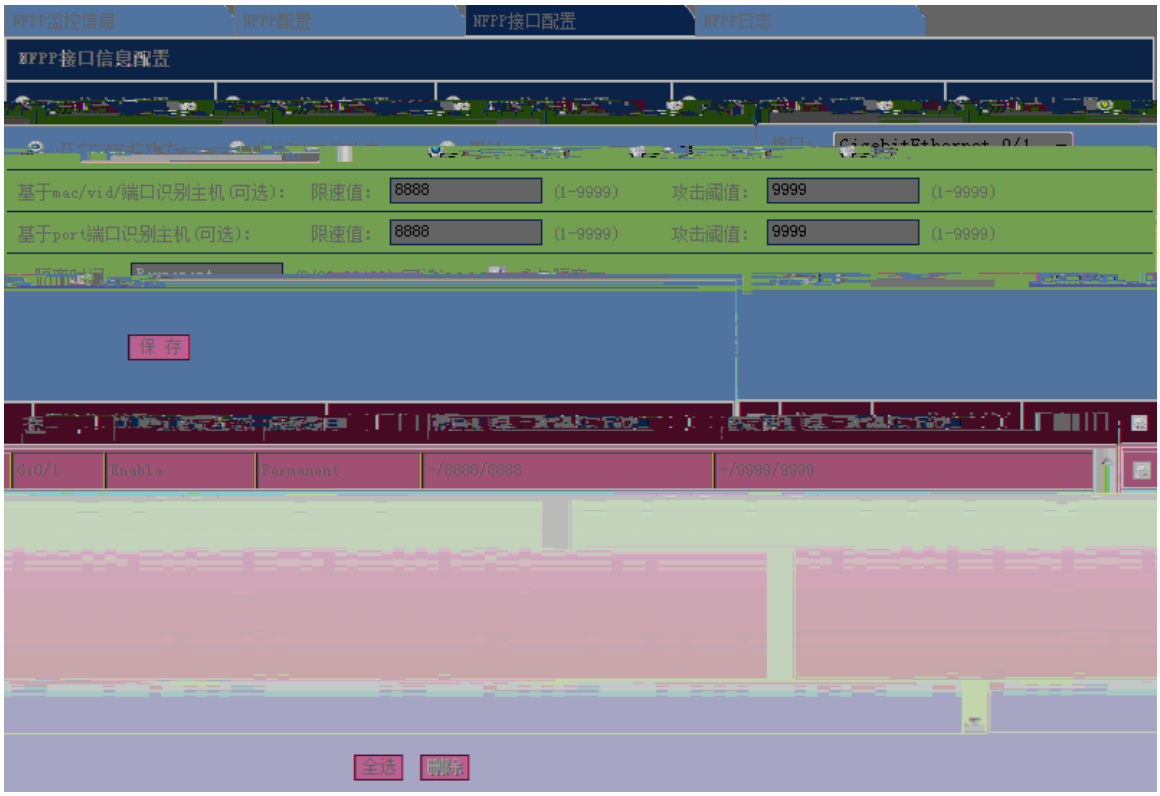
1-32 NFPP —NFPP ICMP



ICMP NFPP “ ”

3) DHCP

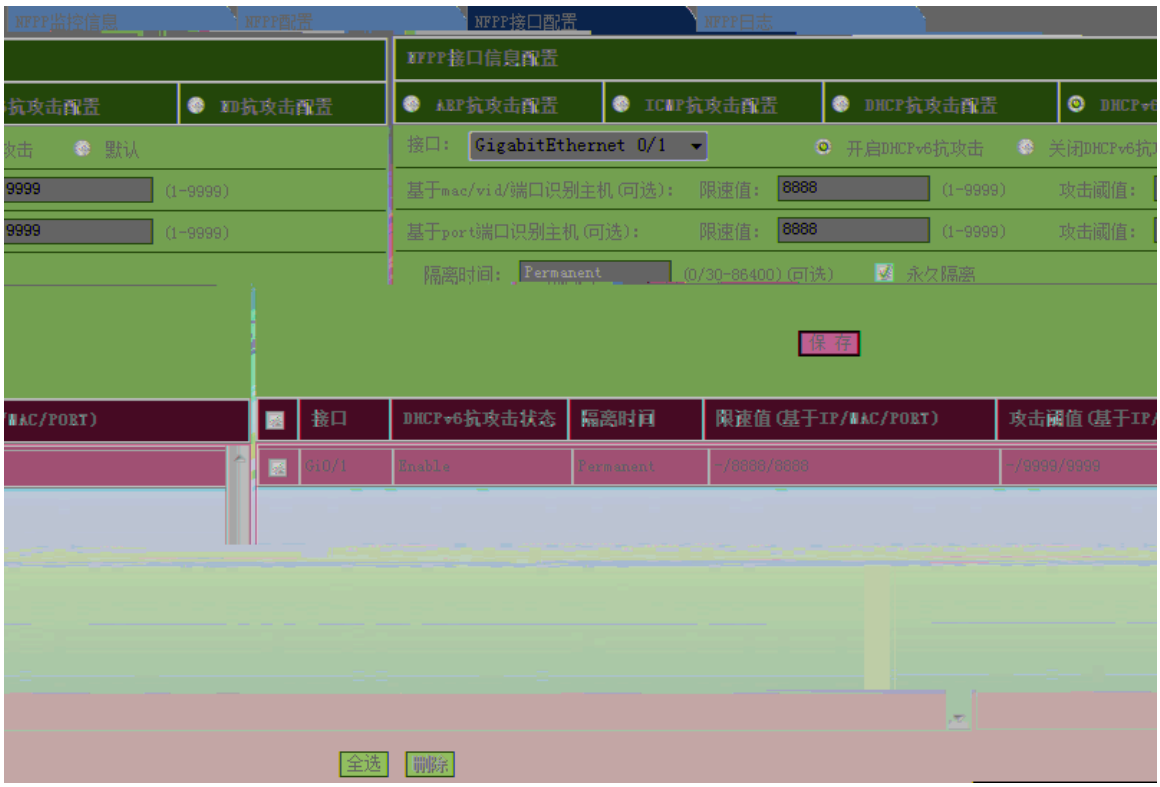
1-33 NFPP —NFPP DHCP



DHCP NFPP “ ”

4) DHCPv6

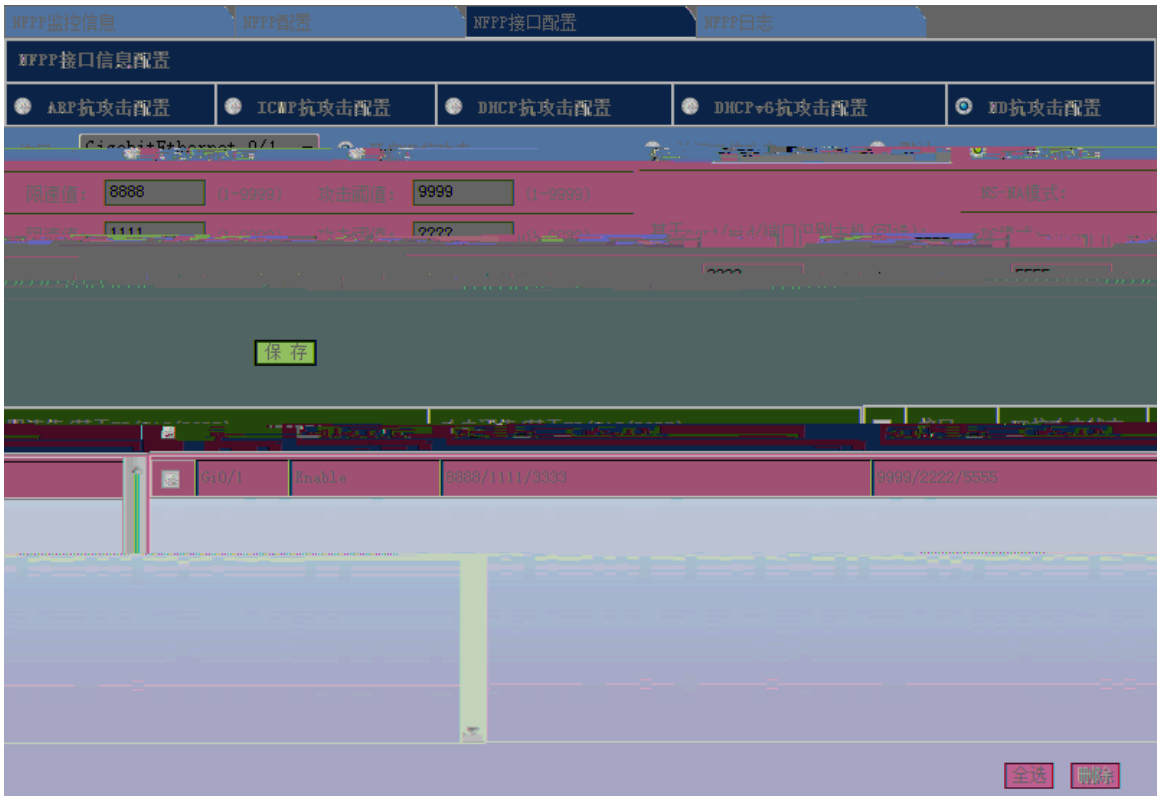
1-34 NFPP —NFPP DHCPv6



DHCPv6 NFPP “ ”

5) ND

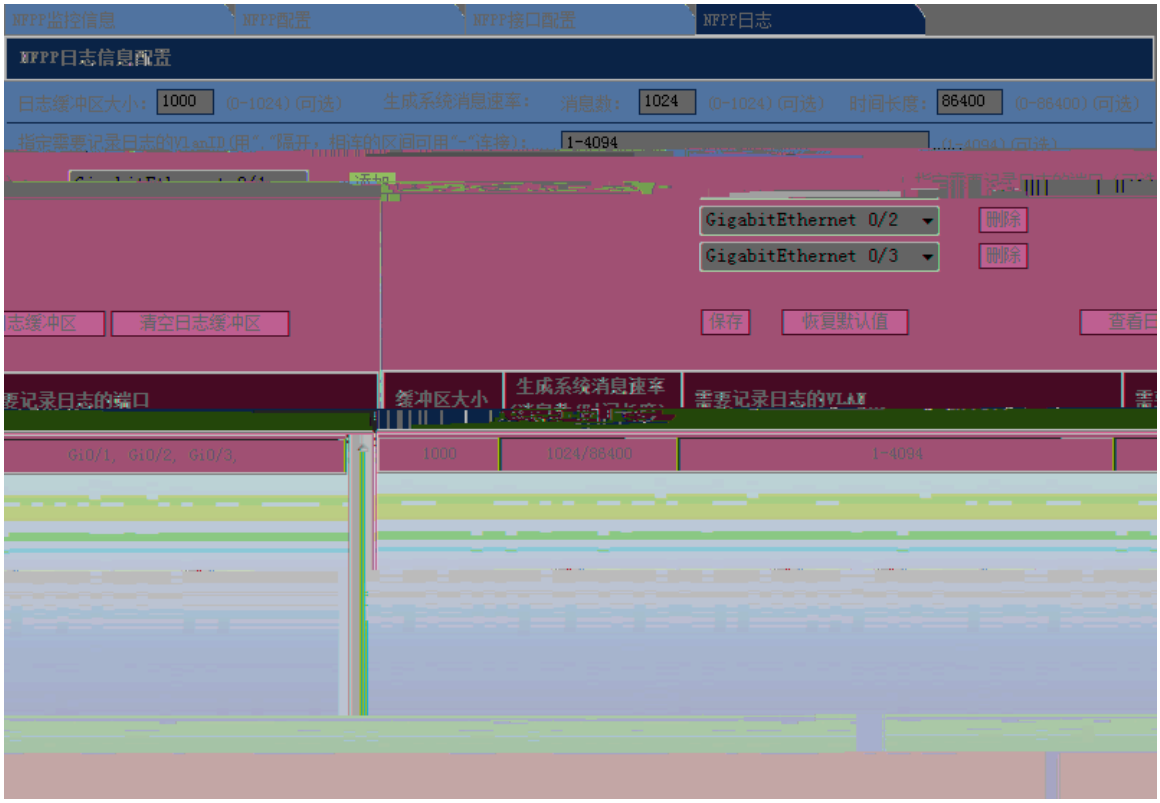
1-35 NFPP —NFPP ND



ND NFPP “ ”

NFPP

1-36 NFPP

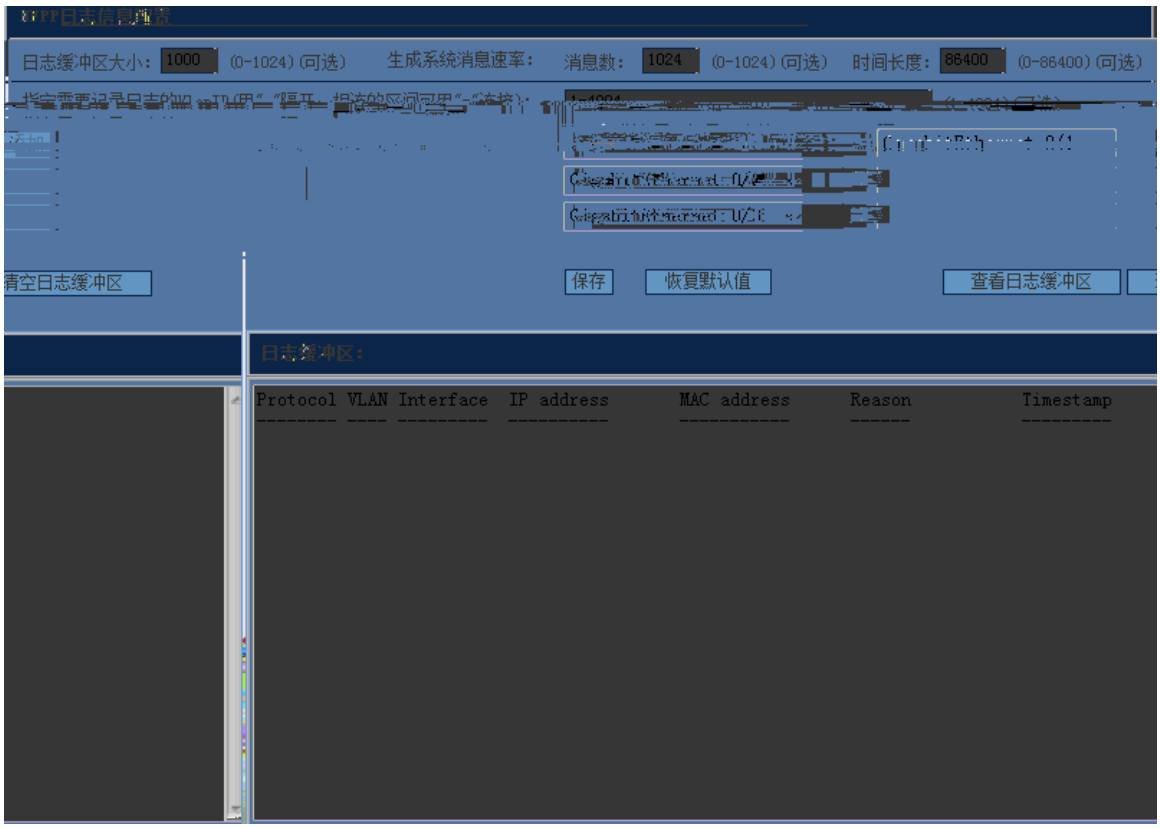

NFPP监控信息
NFPP配置
NFPP接口配置
NFPP日志
NFPP日志信息配置
日志缓冲区大小：
1000
(0-1024)(可选)
生成系统消息速率：
消息数：
1024
(0-1024)(可选)
时间长度：
86400
(0-86400)(可选)
1-4094
GigabitEthernet 0/2
GigabitEthernet 0/3
删除
删除
清空日志缓冲区
保存
恢复默认值
缓冲区大小
生成系统消息速率
需要记录日志的VLAN
Gi0/1, Gi0/2, Gi0/3,
1000
1024/86400
1-4094

NFPP “ ”

“ ”

“ ”

1-37



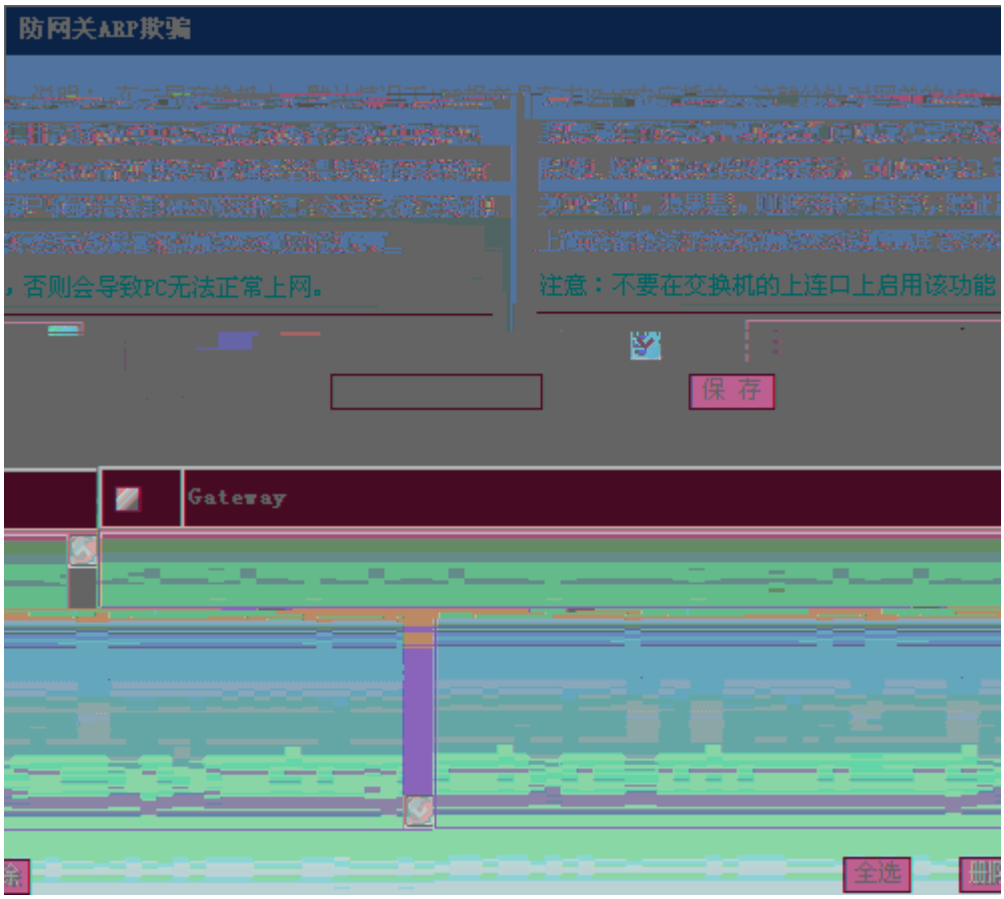
1.6

1.6.1 ARP

“ ARP ”

ARP

1-38 ARP



“ ”

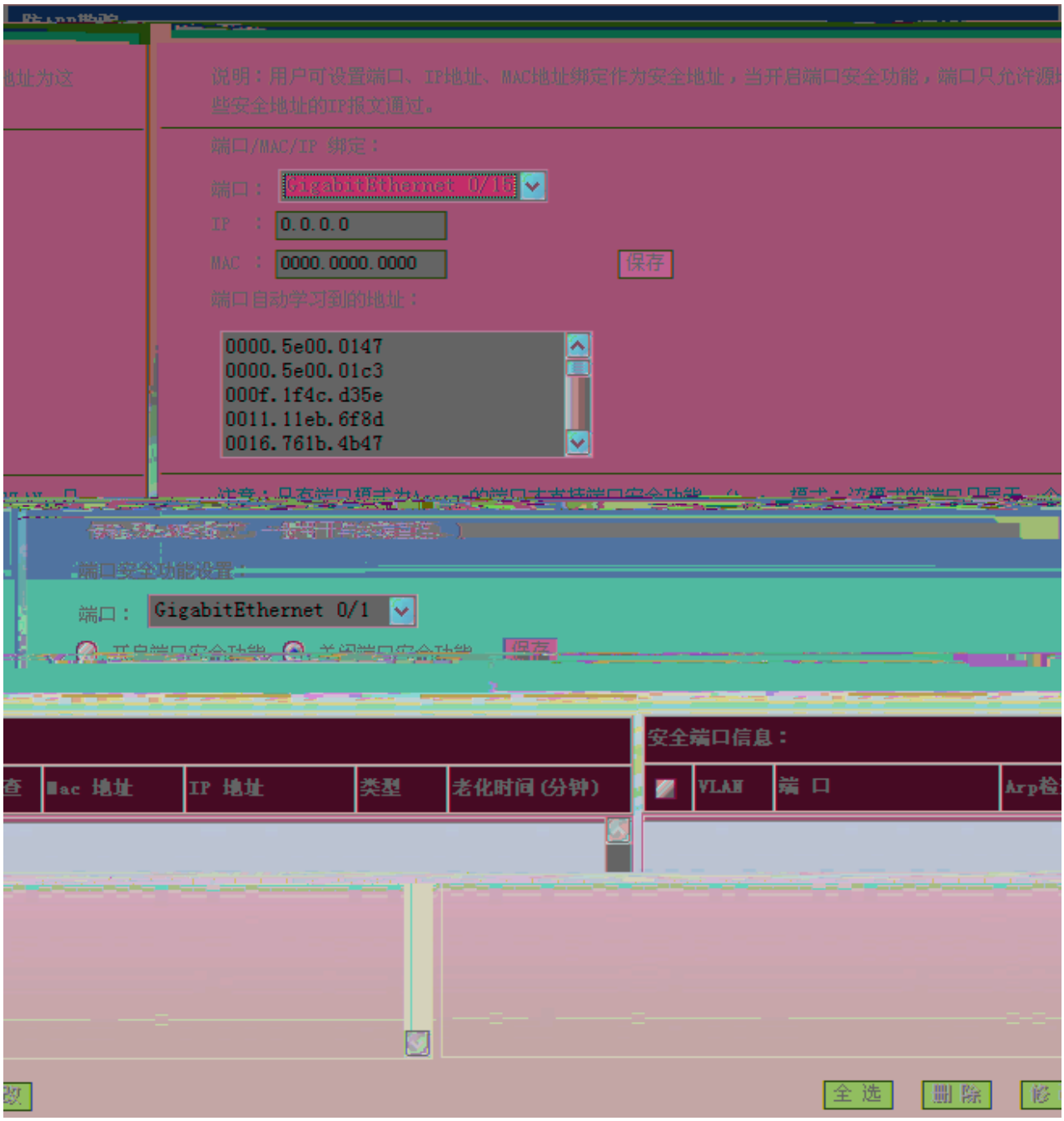
“ ”

1.6.2 ARP

“ ARP ”

ARP

1-39 ARP



/MAC/IP

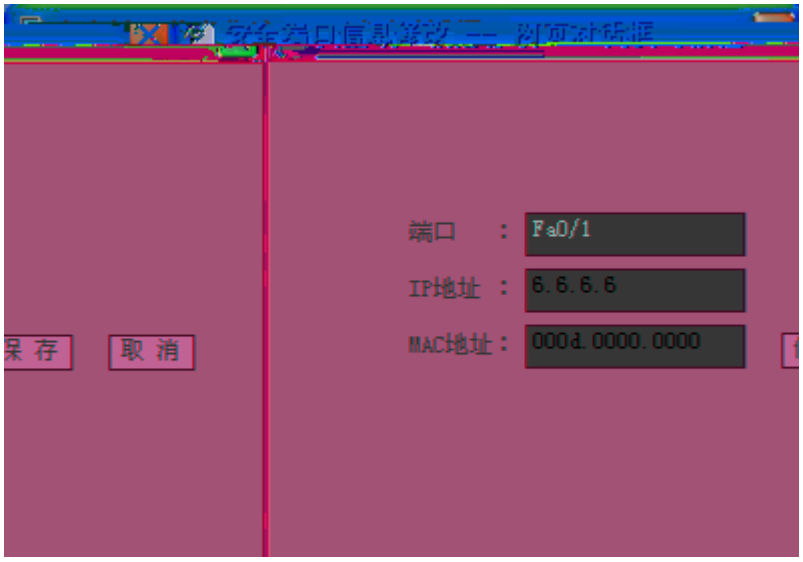
/MAC/IP IP MAC “ ”

MAC GigabitEthernet 0/15

MAC

“ ”

1-40



“ ”

1.6.3 APR

“ ARP ”

ARP

1-41 ARP

“ ARP ” “ ARP ”

1.6.4 ACL

“ ACL ”

ACL

1-42 ACL

ACL

ACL ACL ACL ACL
ACL ACE ACE “ ”
ACL “ ” ACE “ ”

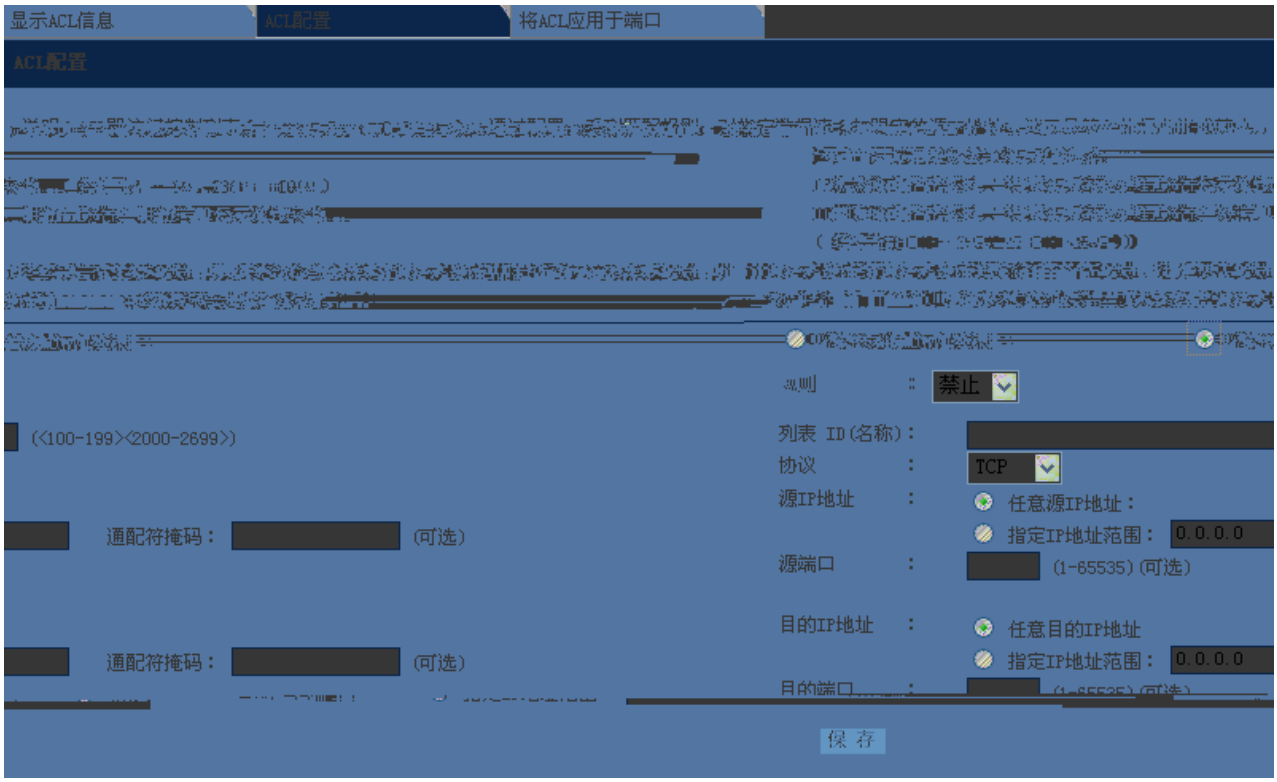
ACL

IP “ IP ” IP

1-43 IP

‘ “ ”

‘ ‘



“ ” “ ”

ID

TCP UDP IP ICMP

IP IP IP

IP IP IP

“ ”

ACL

1-45 ACL

ACL ACL

“ ”

“ ”

~ PC ACL PC WEB

1.6.5 IP Source Guard

IP Source Guard

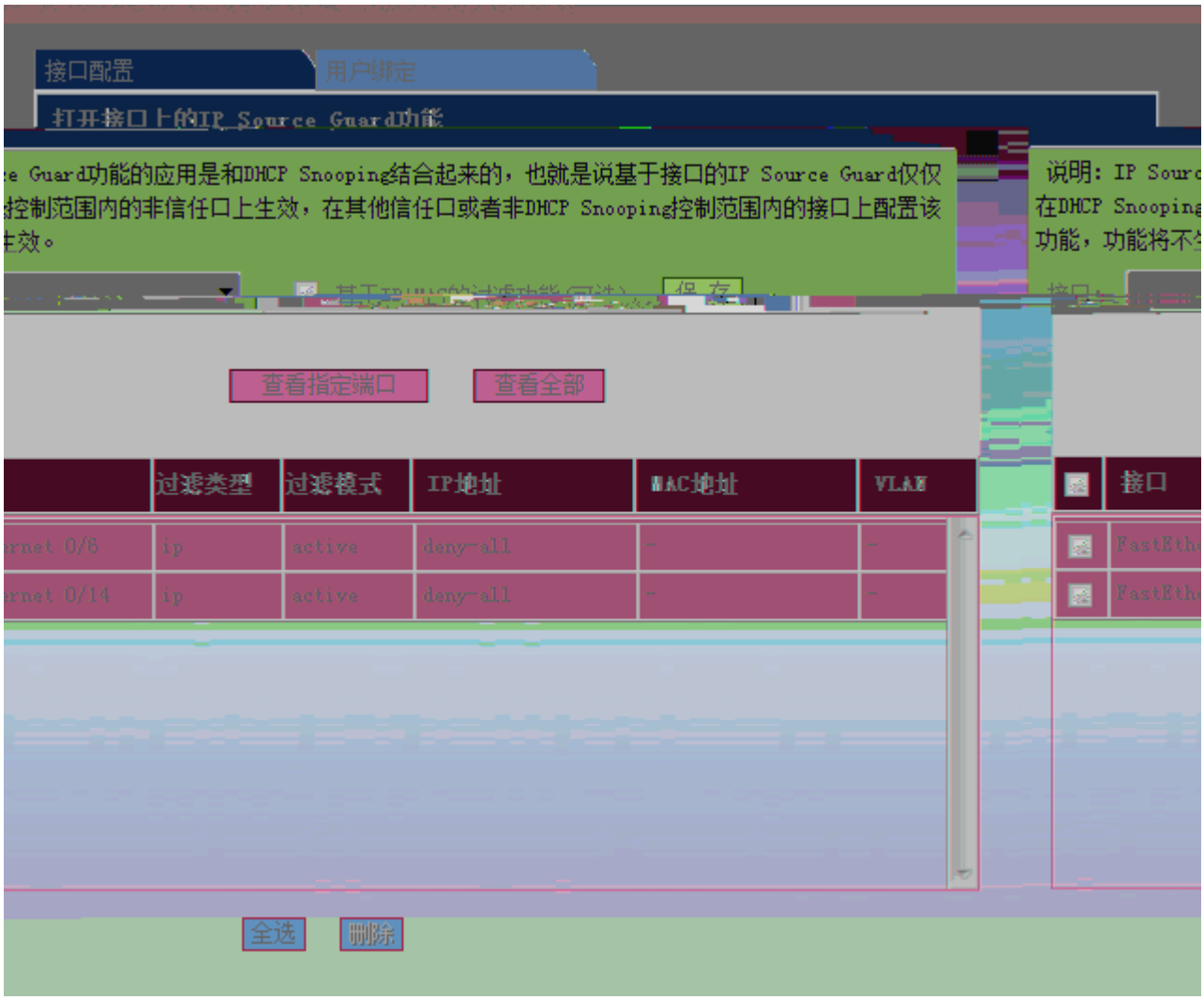
IP Source Guard IP [VLAN MAC IP PORT]

IP Source Guard DHCP Snooping DHCP Snooping IP
IP Source Guard ‘ G ® IP Gv

“ 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

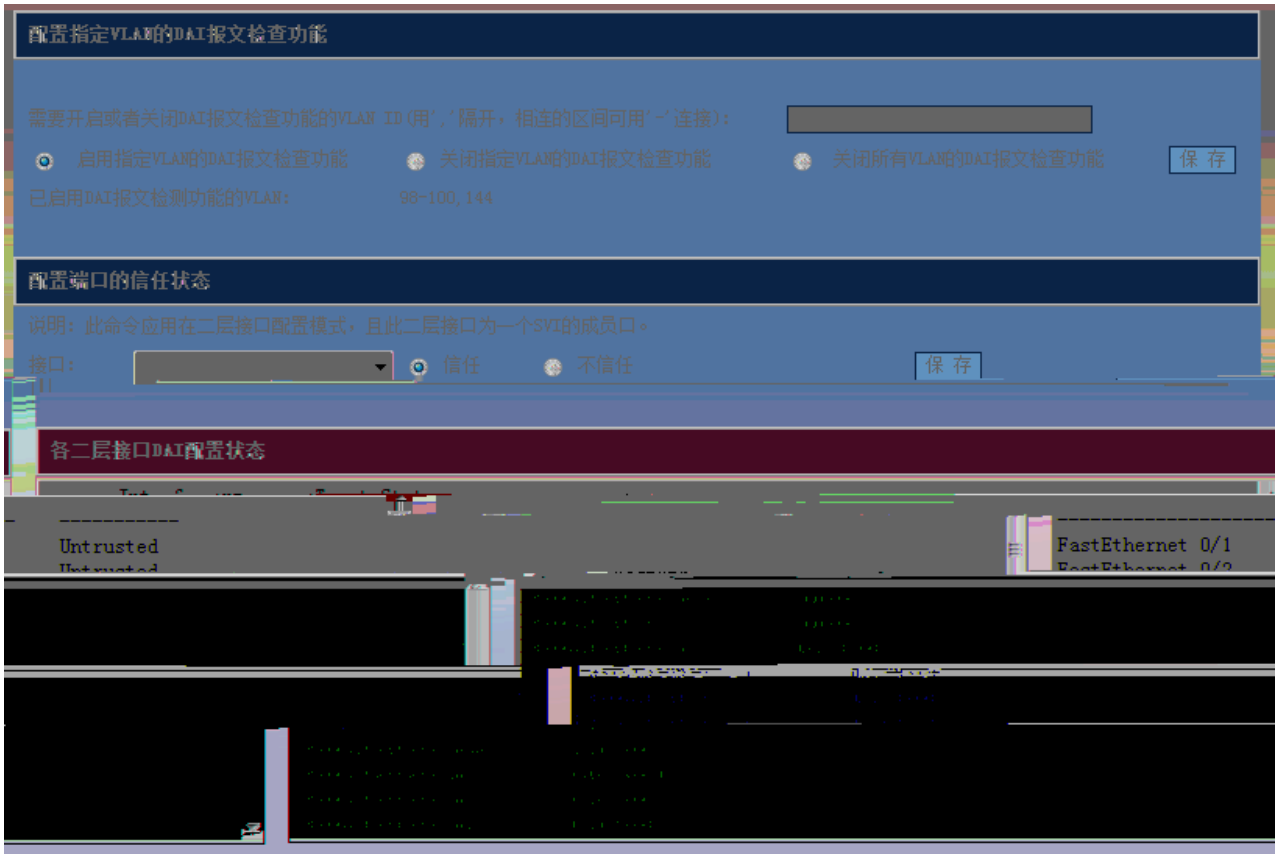
1.6.6 DAI

DAI Dynamic ARP Inspection ARP ARP arp

“ DAI ”

DAI

1-48 DAI



VLAN DAI

VLAN DAI

VLAN 100 DAI vlan-id 100 ARP DAI

“ DAI VLAN ID ” VLAN
VLAN DAI VLAN DAI “ ”

DAI VLAN

ARP DAI
ARP ARP DAI

“ ” “ ” “ ”

“ DAI ”

1.6.7 GSN

“ GSN ”

GSN

1-49 GSN

GSN

GSN GSN GSN GSN

SMP server

SMP server v1 v2 v3 Community User “ ”

“ ”

GSN GSN “ ”

“ ”

1.6.8 CPP

“ CPP ”

CPP

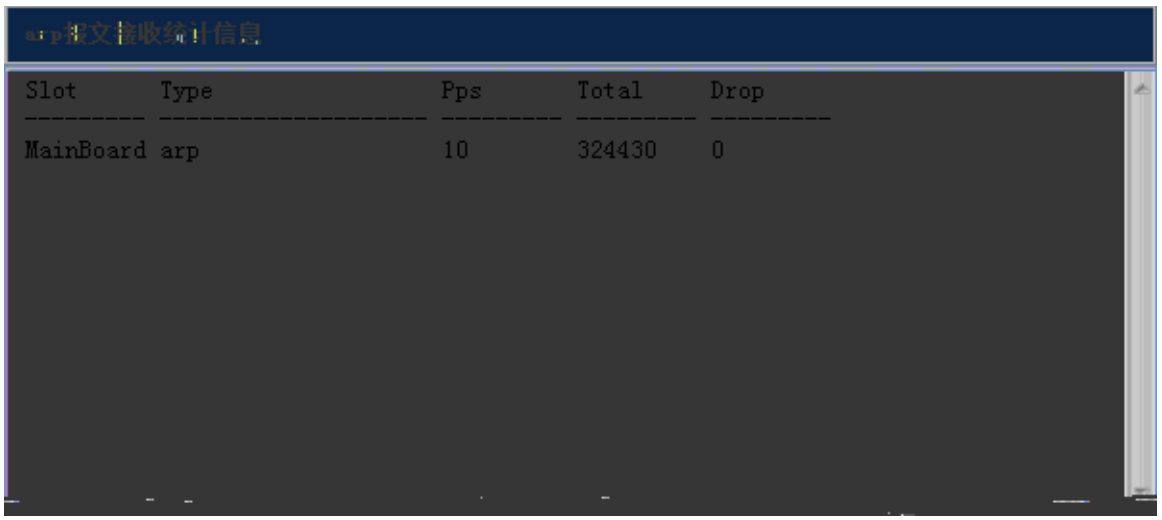
1-50 CPP

“ ” “

” “ ”

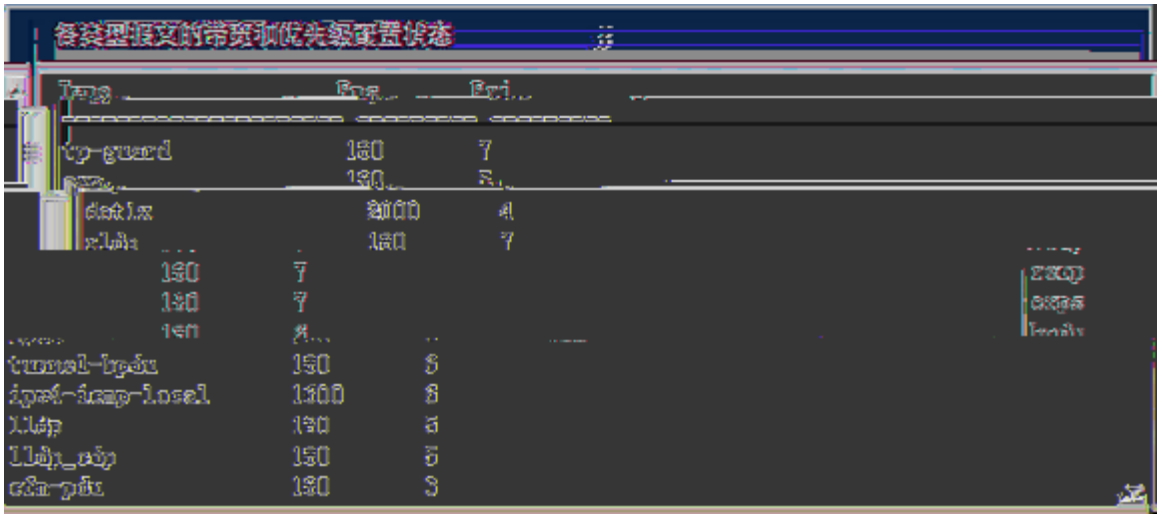
“ ”

1-51


arp报文接收统计信息
Slot Type Pps Total Drop
MainBoard arp 10 324430 0

“ ”

1-52


tp-guard 180 7
tunnel-bpdu 150 6
ipmi-icmp-local 1600 6
lldp 190 5
lldp_cdp 190 5
cfm-pdu 190 3

/ / “ ” / /

1-53 / /

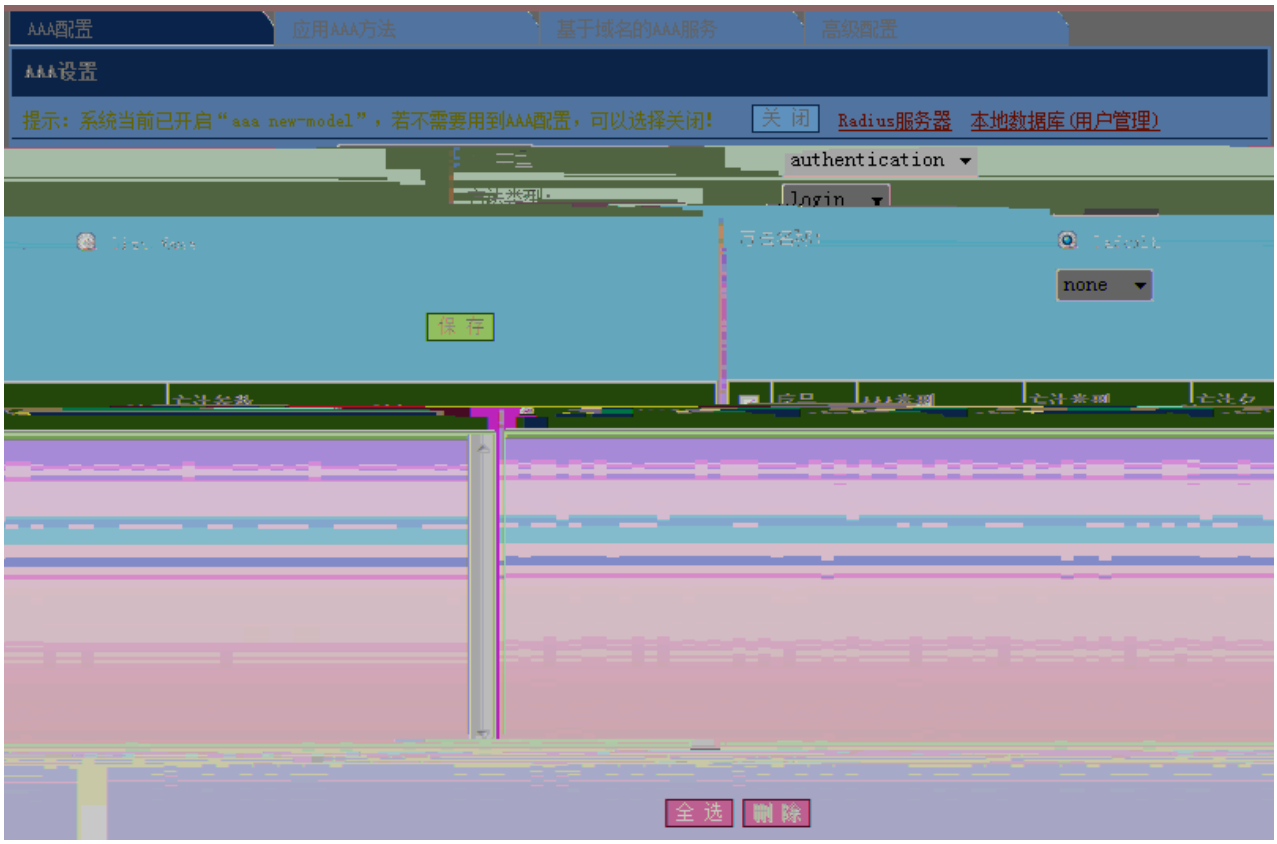
“ ”

1.6.9 RADIUS

“ RADIUS ”

RADIUS

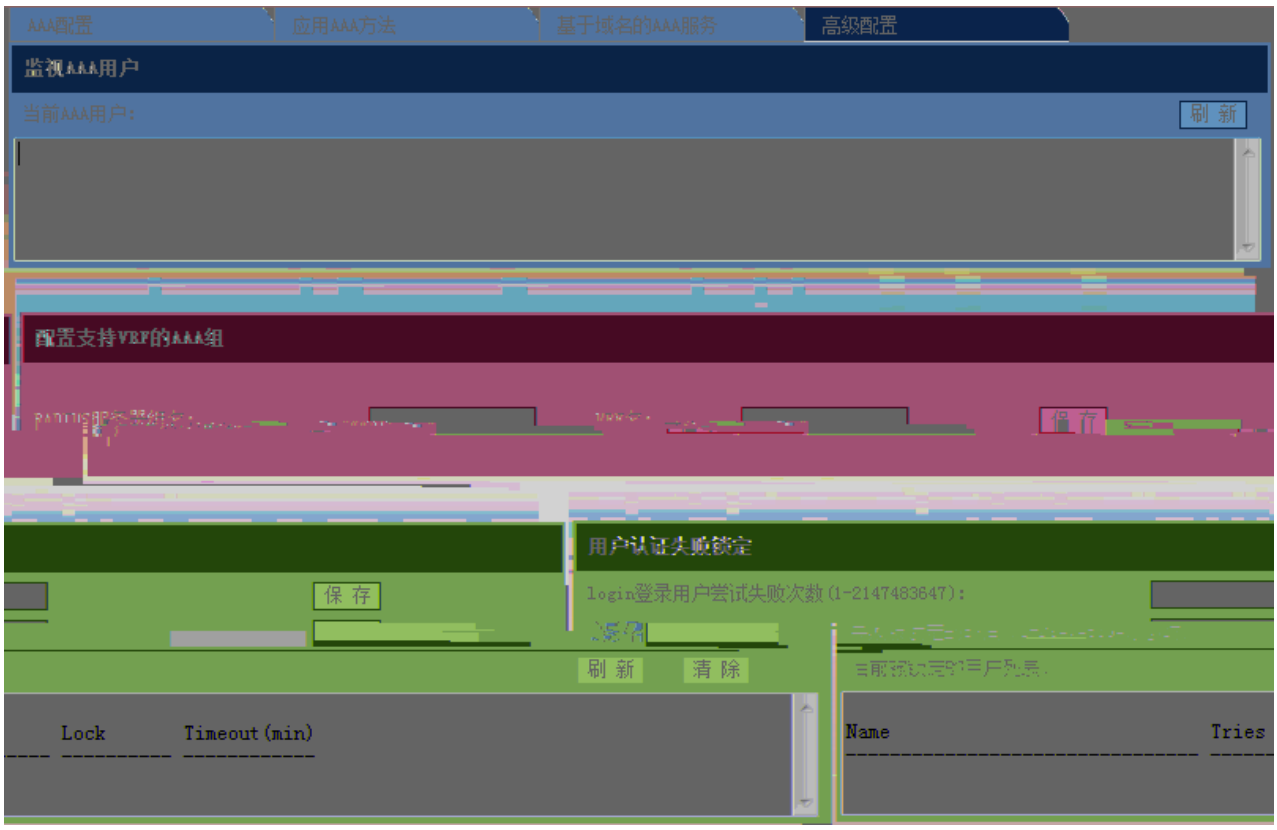
1-54 RADIUS



AAA

AAA authentication authorization accounting AAA login enable

AAA ˊ 1ô S'O AAB



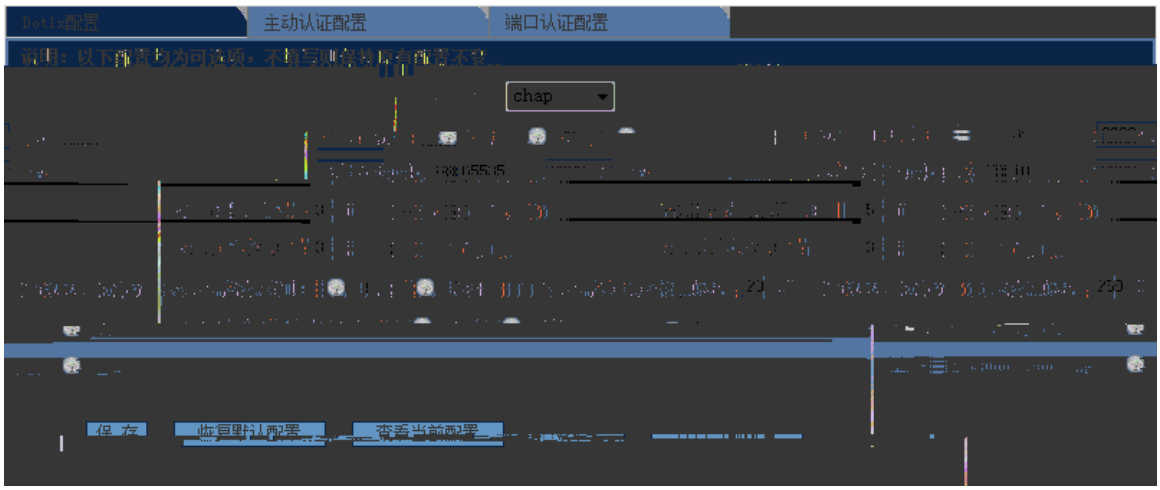
AAA AAA VRF AAA

1.6.11 Dot1x

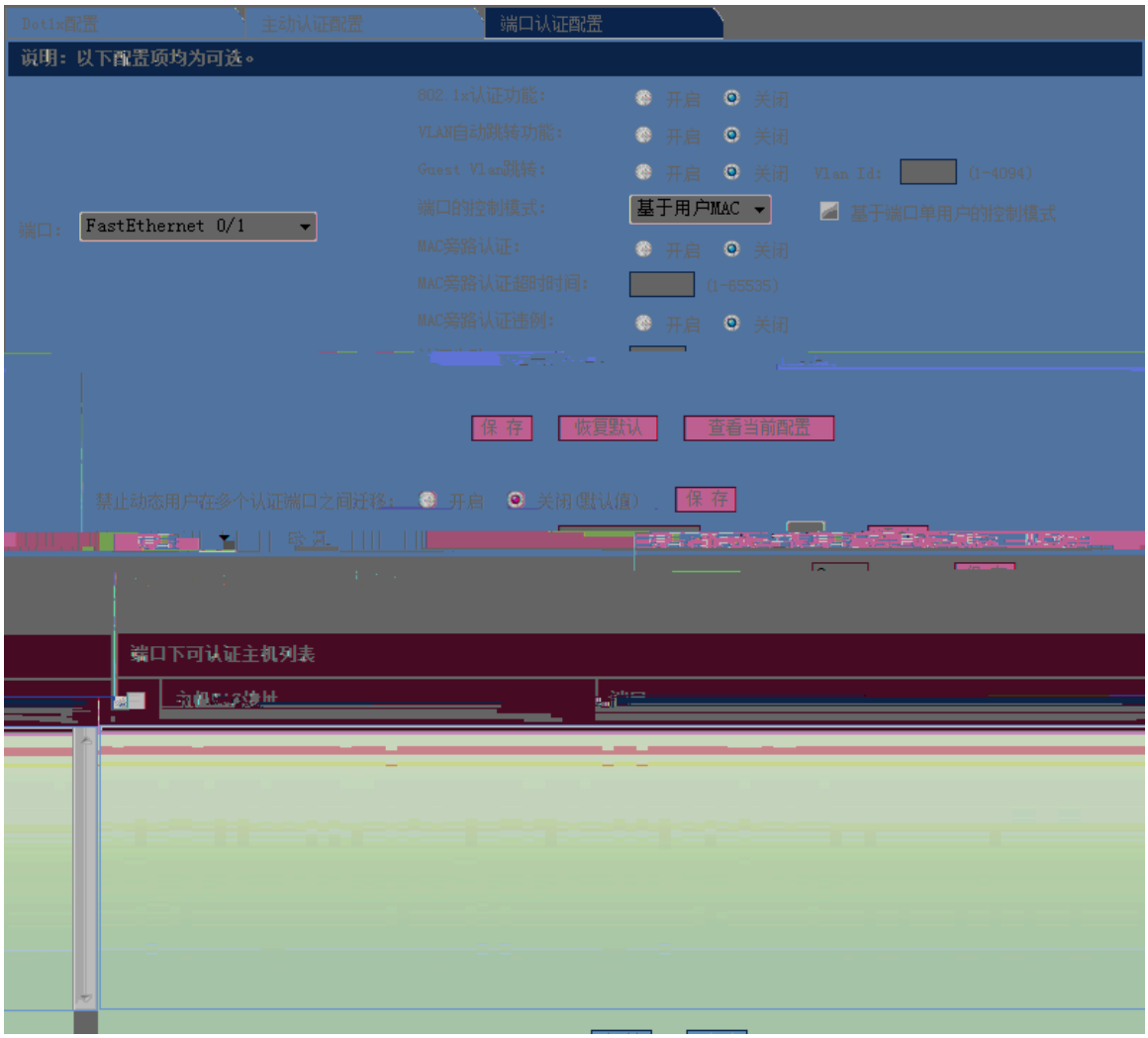
“ Dot1x ”

Dot1x

1-60 Dot1x



Dot1x


Dot1x配置
主动认证配置
端口认证配置
说明：以下配置项均为可选。
802.1x认证功能：
开启
关闭
VLAN自动跳转功能：
开启
关闭
Guest Vlan跳转：
开启
关闭
Vlan Id：
(1-4094)
端口：
FastEthernet 0/1
端口的控制模式：
基于用户MAC
基于端口单用户的控制模式
MAC旁路认证：
开启
关闭
MAC旁路认证超时时间：
(1-65535)
MAC旁路认证违例：
开启
关闭
保 存
恢复默认
查看当前配置
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
端口下可认证主机列表

Dot1x

“ ” “ ”

“ ”

1-63 2

“ ”

802.1x MAC

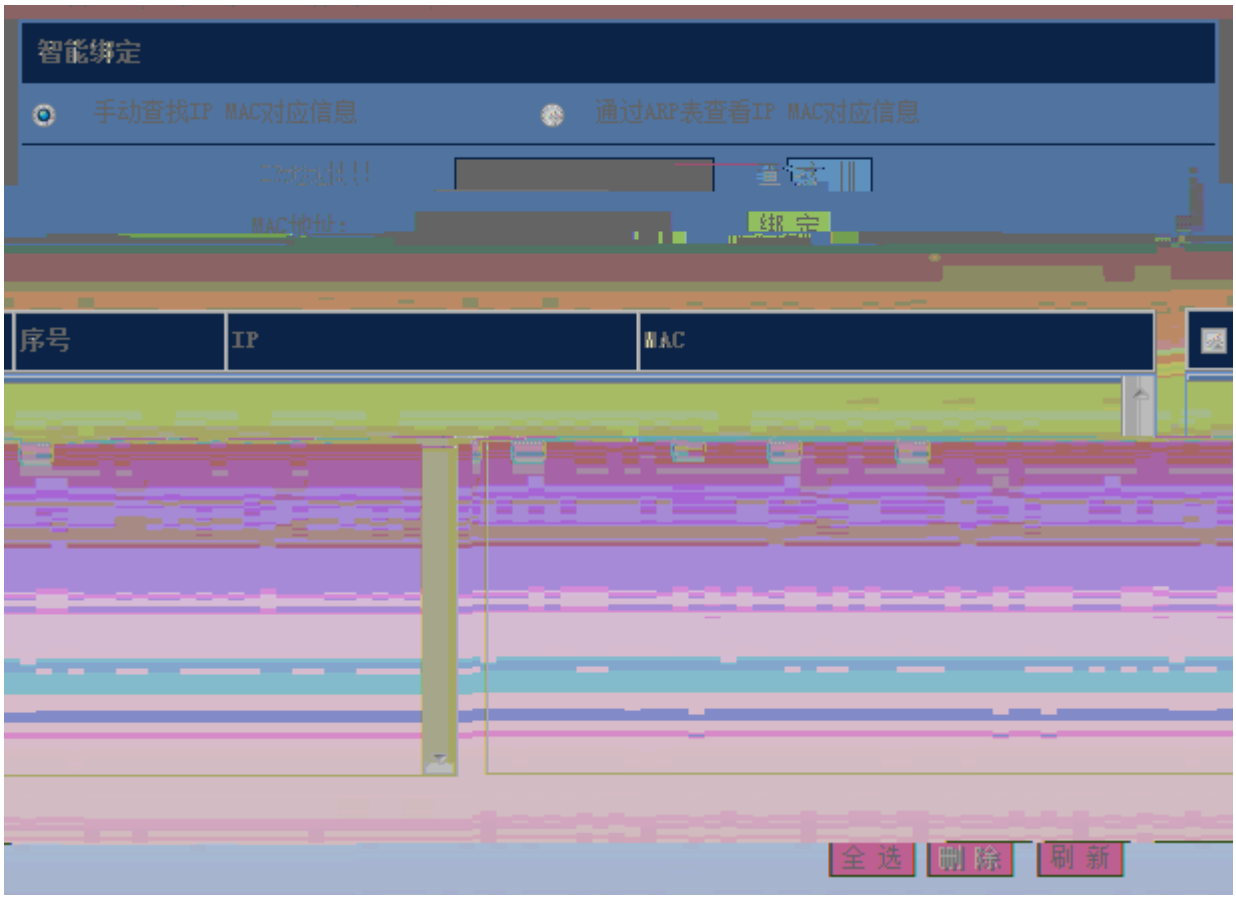
“ ”

VLAN “ ”

1.6.12

“ ”

1-64

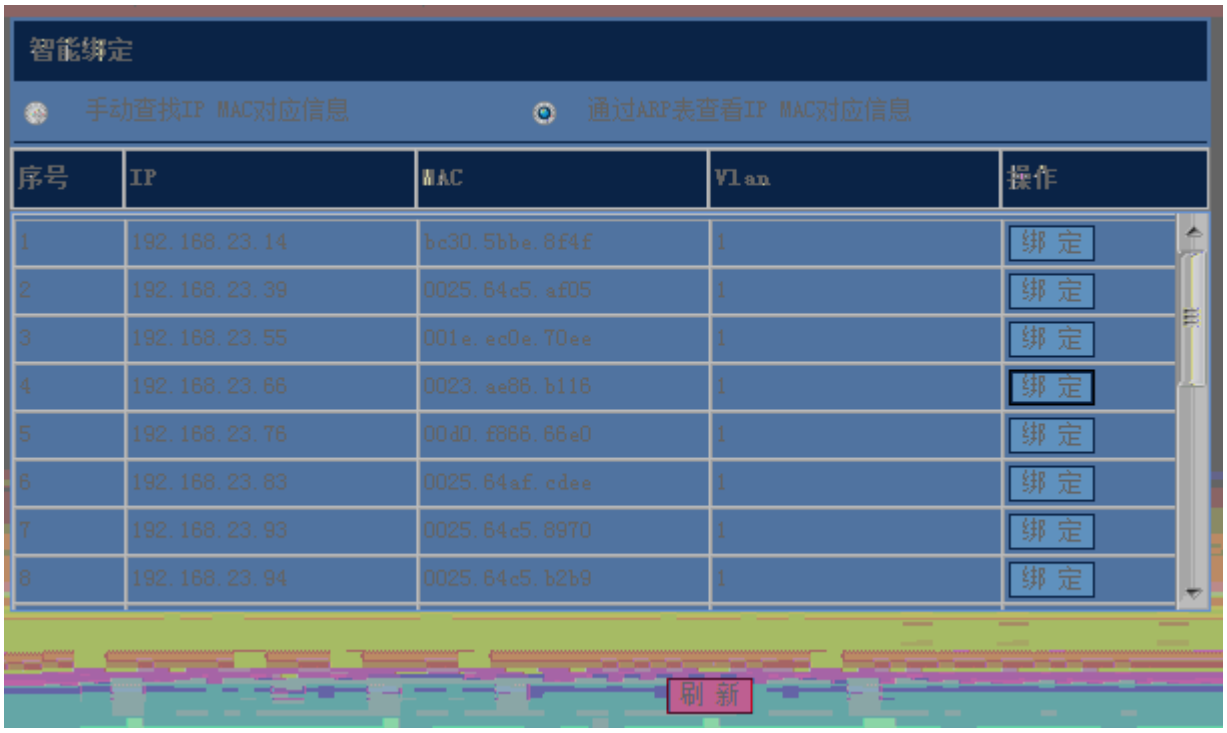


IP MAC

IP MAC MAC “ ”

ARP IP MAC “ ”

1-65 ARP



1.6.13 WEB

“ web ”

web

1-66 web

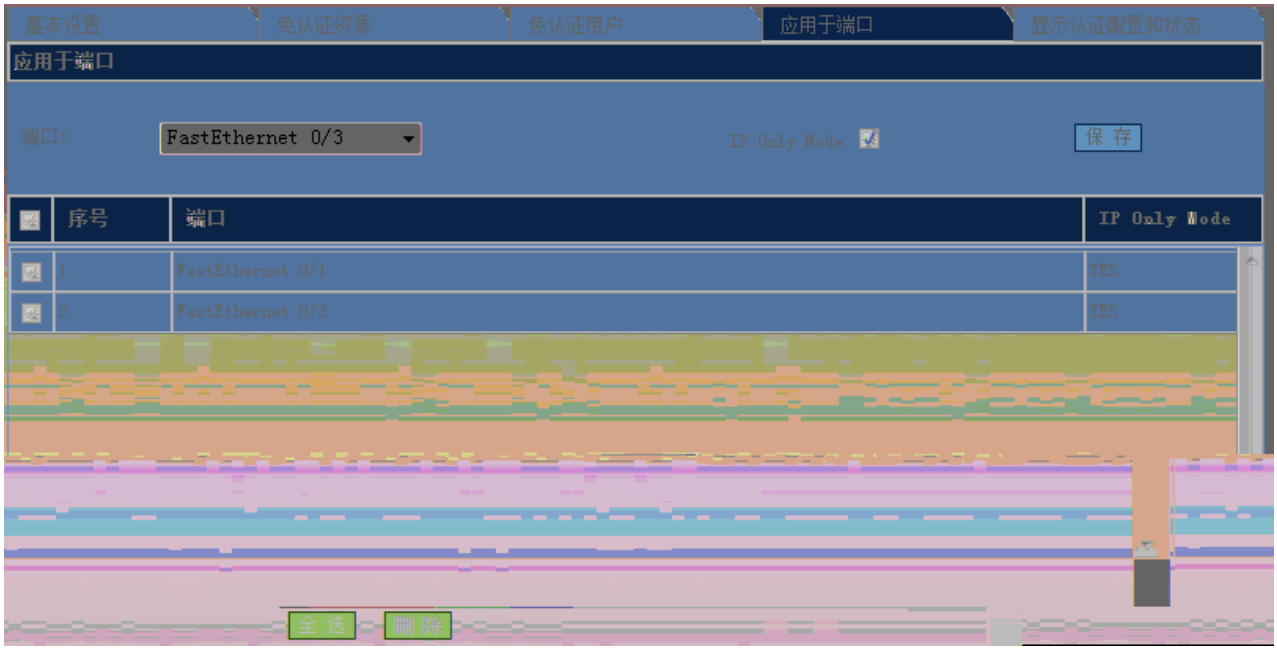
web IP URL HTTP (0-255)

Web IP

SNMP-Inform , , Vlan List

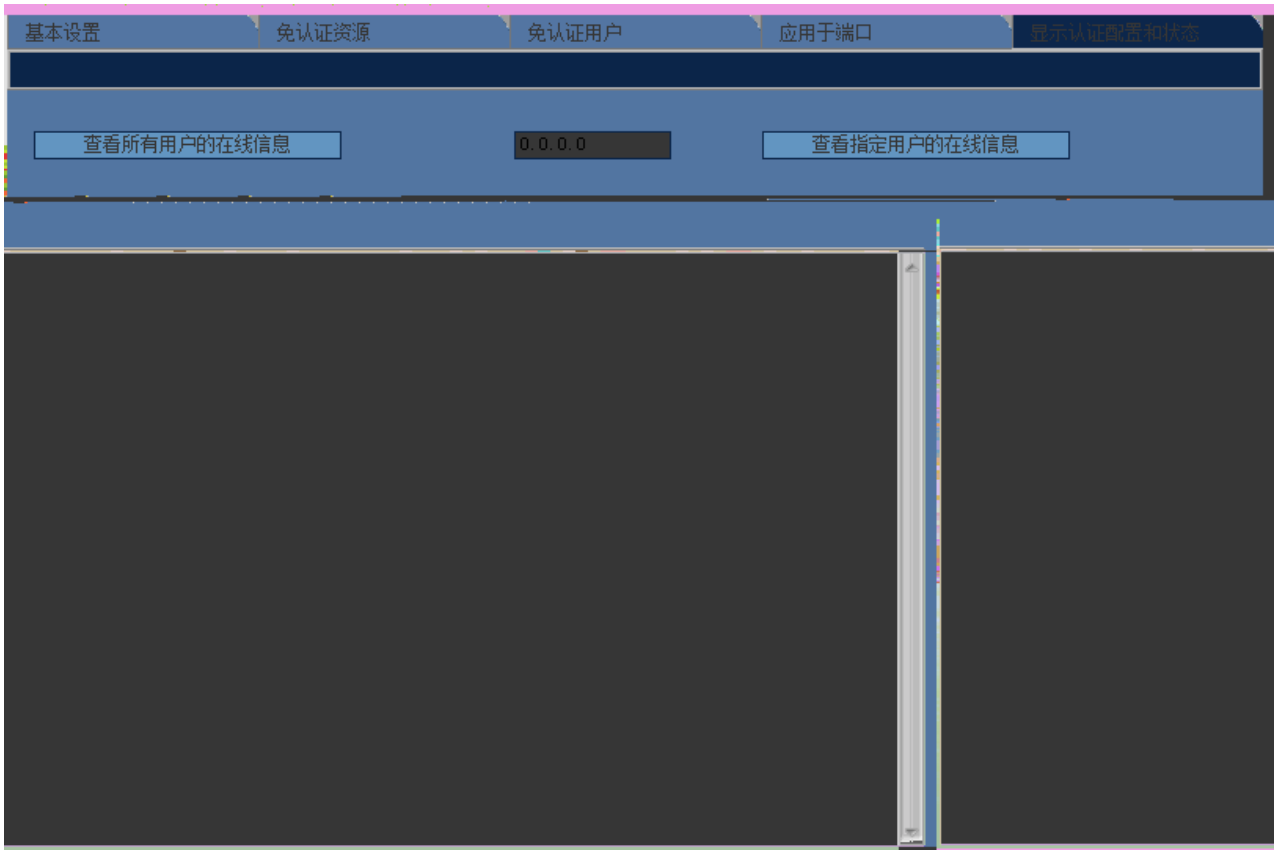
80

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
应用于端口
端口:
FastEthernet 0/3
IP Only Mode
保 存
序号
端口
IP Only Mode
1
FastEthernet 0/1
YES
2
FastEthernet 0/3
YES
全 选
删 除

“ ” “ ”

1-70


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
查看所有用户的在线信息
0.0.0.0
查看指定用户的在线信息

IP

DHCP Snooping DHCP Snooping MAC “ ”

DHCP Snooping

“ ”

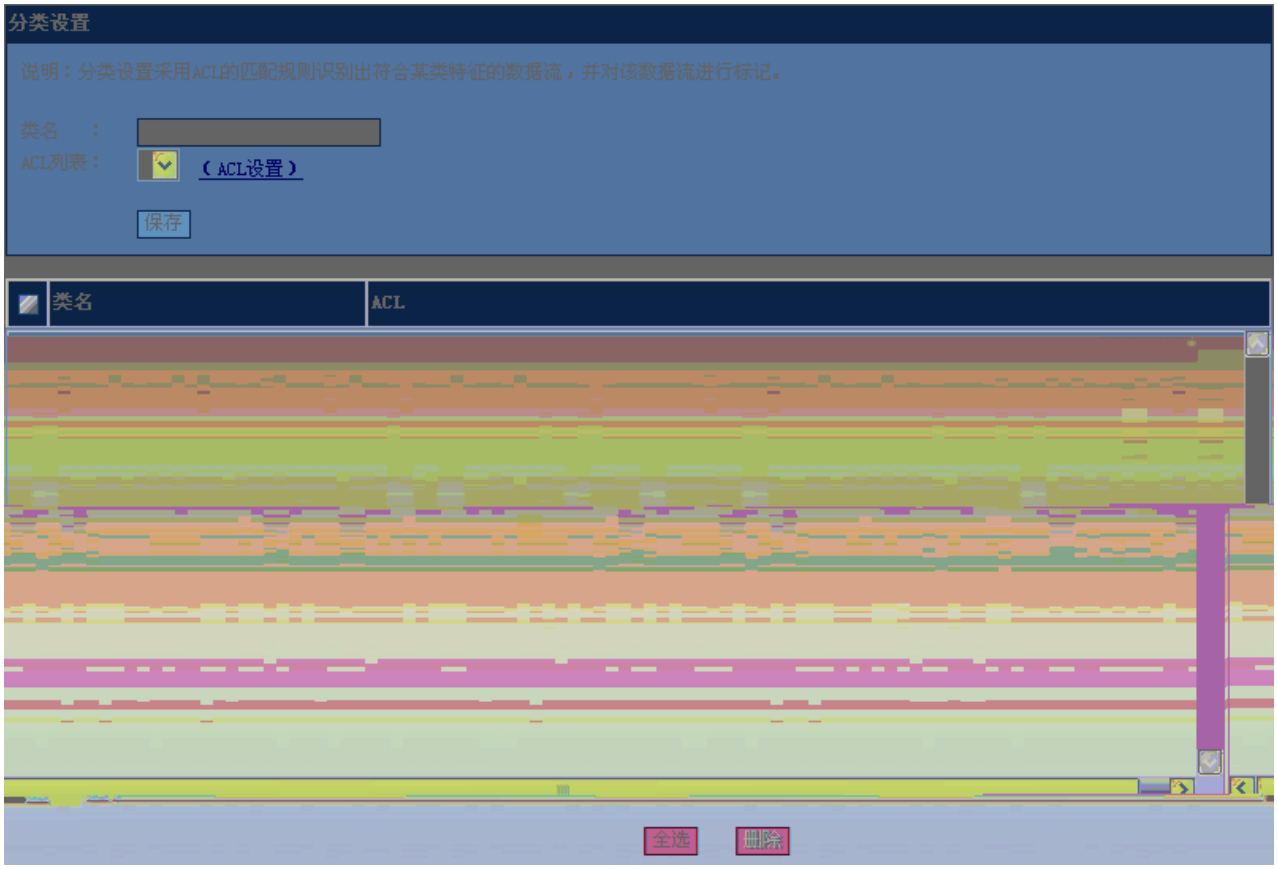
“ ”

1.7 QOS

1.7.1

“ ”

1-72



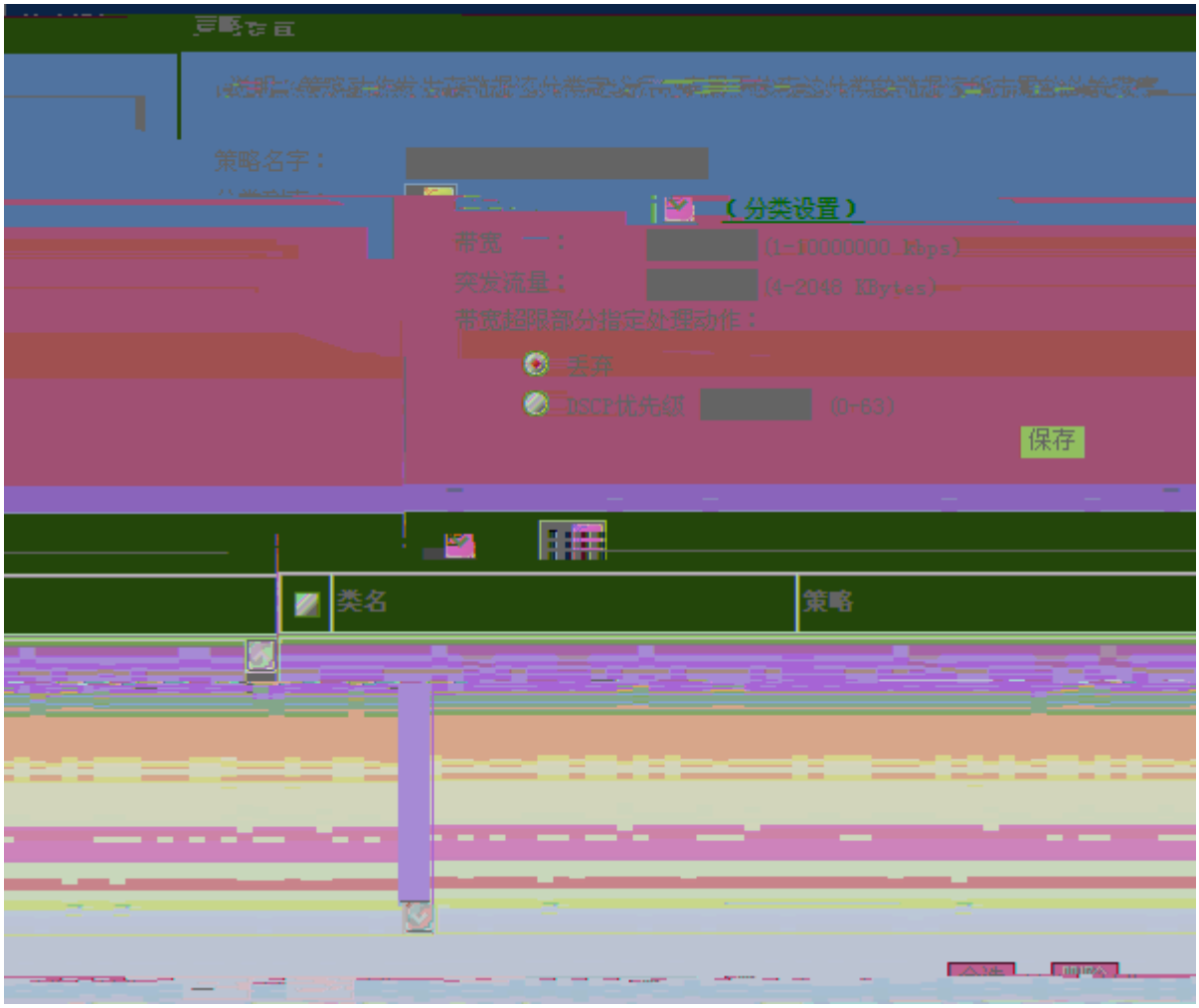
ACL “ ”

“ ”

1.7.2

“ ”

1-73


策略名字：
（分类设置）
带宽 一：
(1-10000000 Kbps)
突发流量：
(4-2048 KBytes)
带宽超限部分指定处理动作：
丢弃
DSCP优先级
(0-63)
保存
类名
策略

DSCP

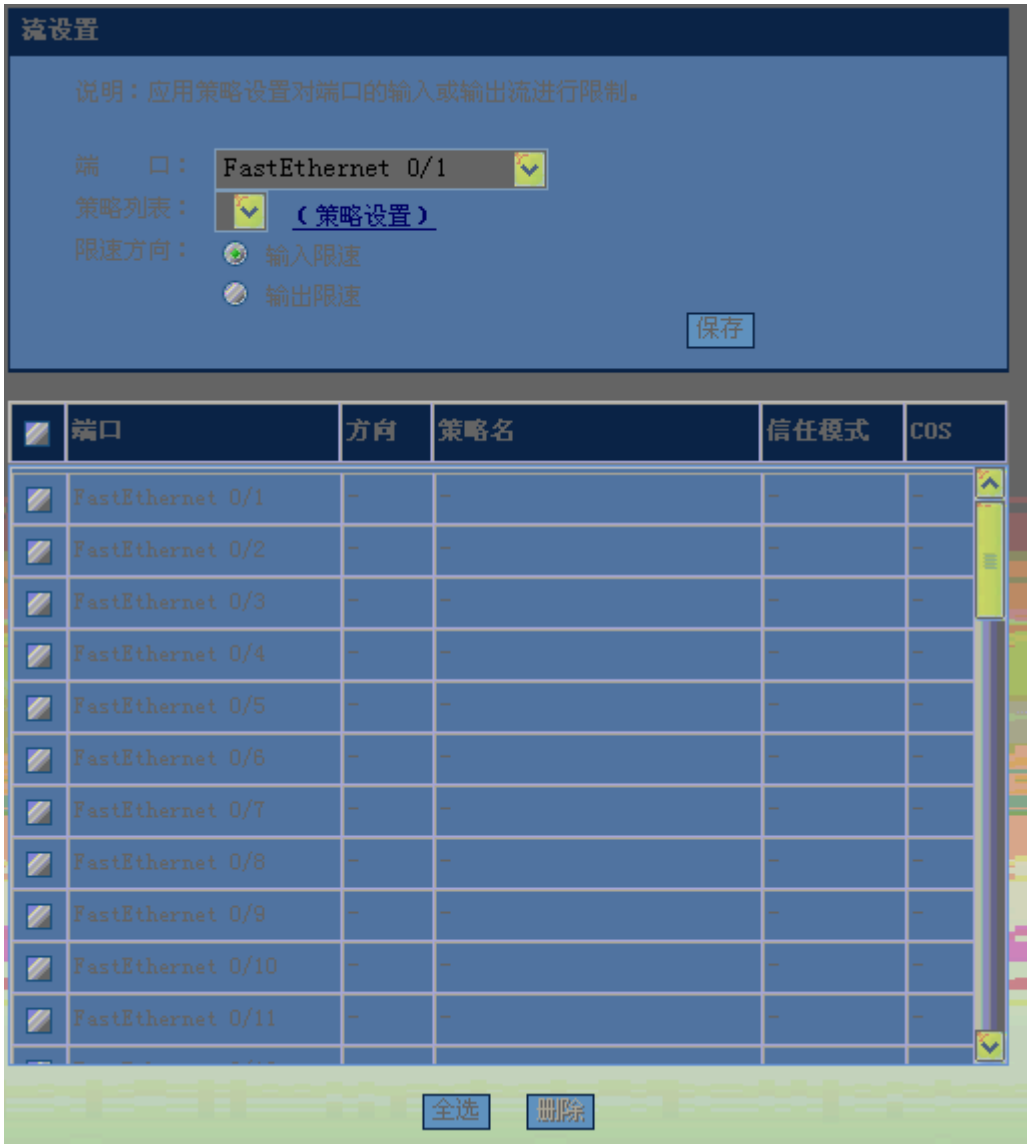
“ ”

“ ” “ ”

1.7.3

“ ”

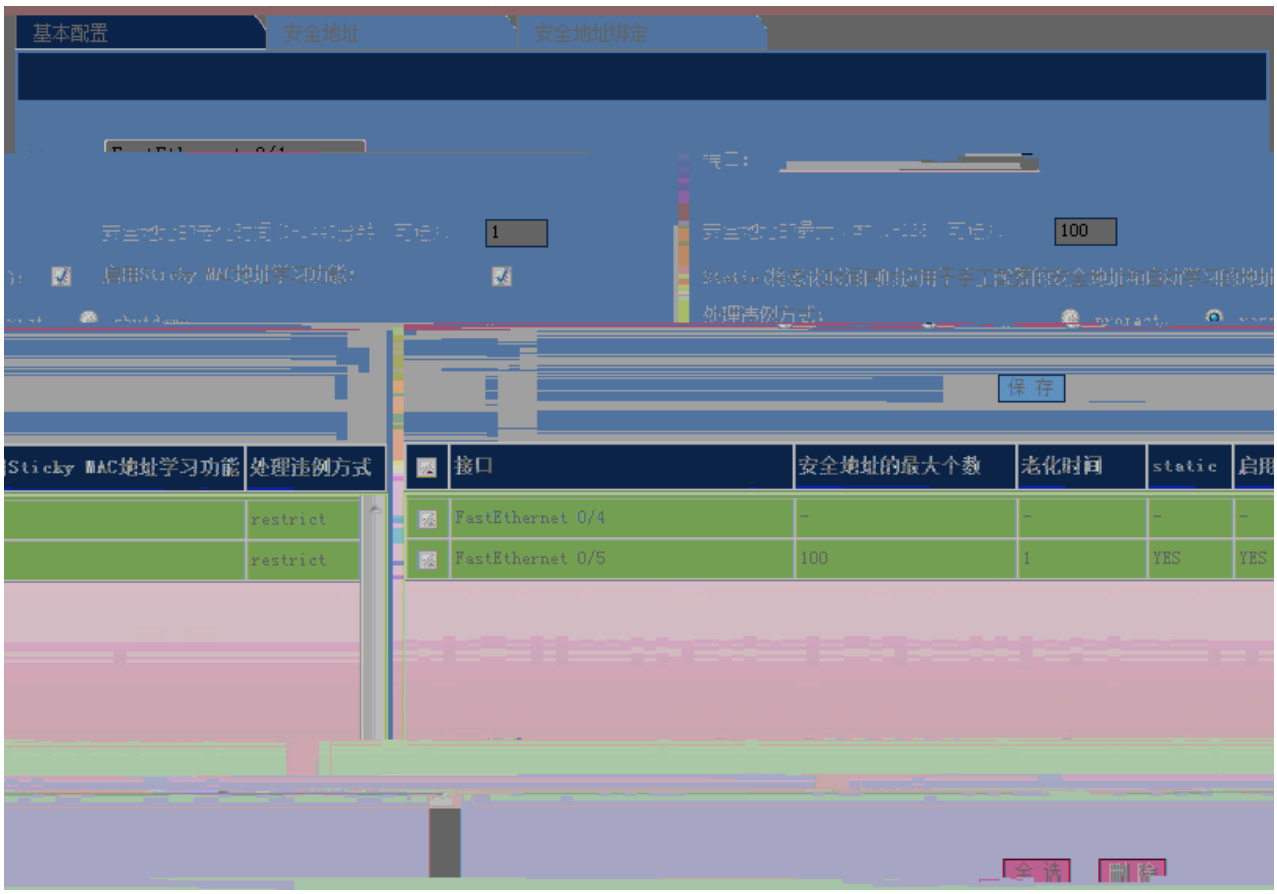
1-74


流设置
说明：应用策略设置对端口的输入或输出流进行限制。
端 口：
FastEthernet 0/1
策略列表：
（策略设置）
限速方向：
输入限速
输出限速
保存
端口
方向
策略名
信任模式
COS
FastEthernet 0/1
FastEthernet 0/2
FastEthernet 0/3
FastEthernet 0/4
FastEthernet 0/5
FastEthernet 0/6
FastEthernet 0/7
FastEthernet 0/8
FastEthernet 0/9
FastEthernet 0/10
FastEthernet 0/11
全选
删除

“ ” “ ”

1.7.4

Ā “ ” هي ٦ عى ٤ ´ ĂŏŢM

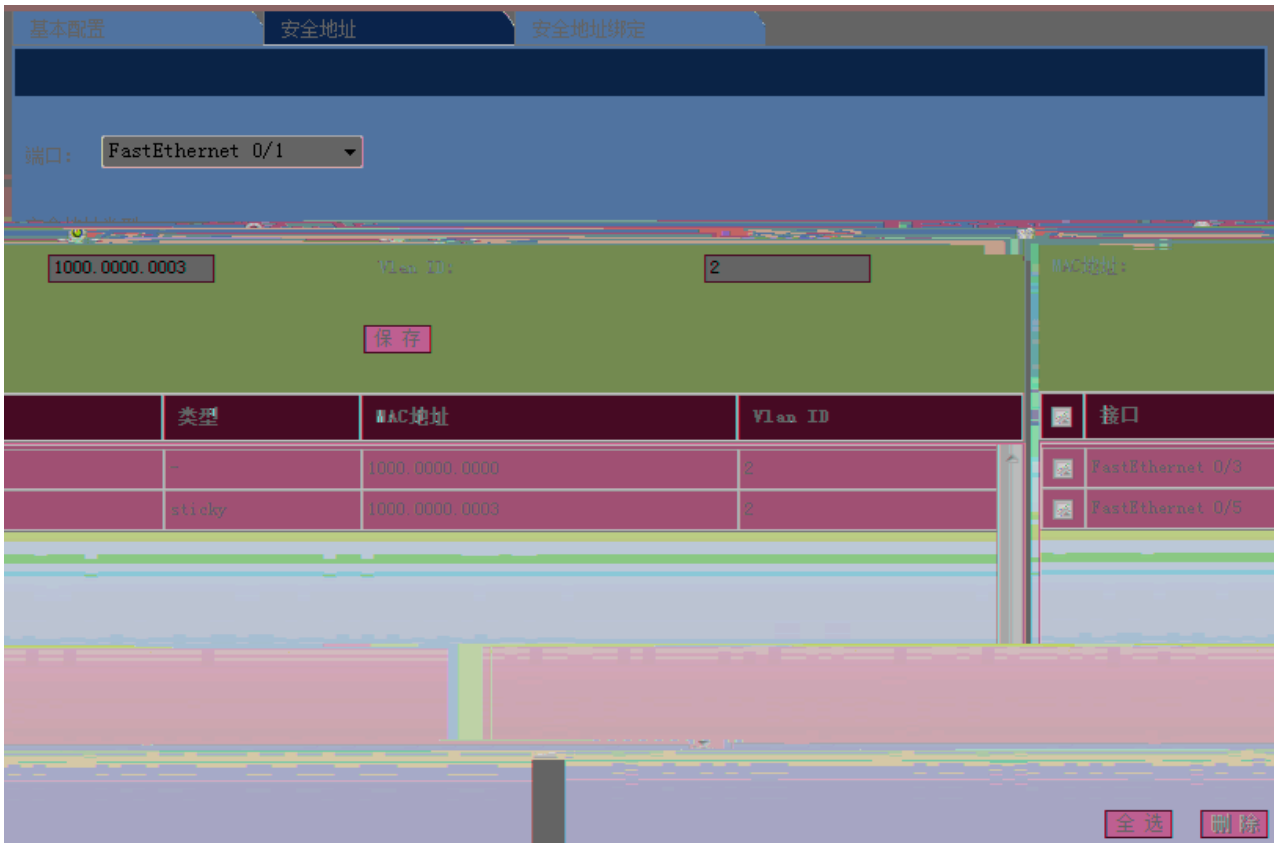


Static Sticky Mac

“ ”

“ ”

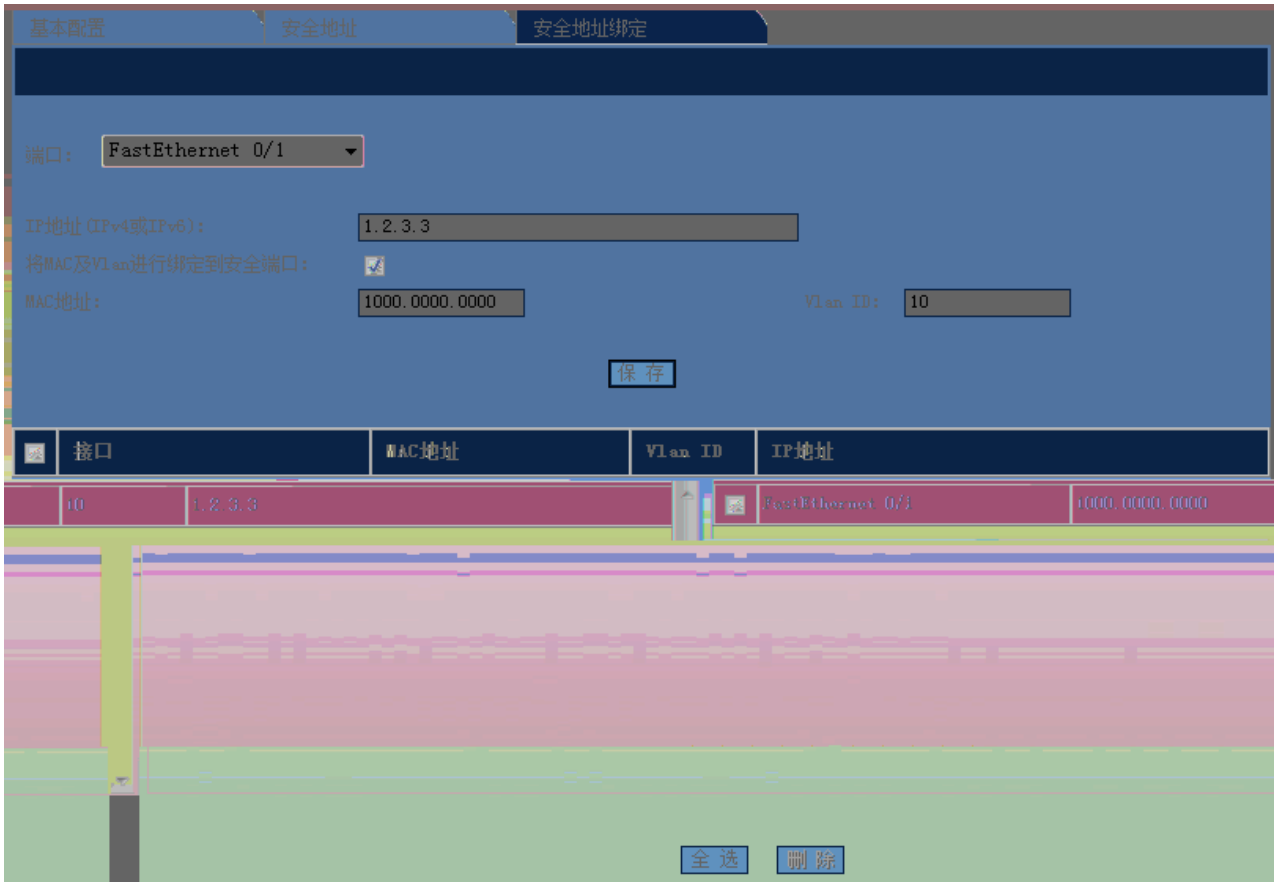
1-77



Mac VLAN ID “ ”

“ ”

1-78



IP MAC Vlan

Mac VLAN ID “ ”

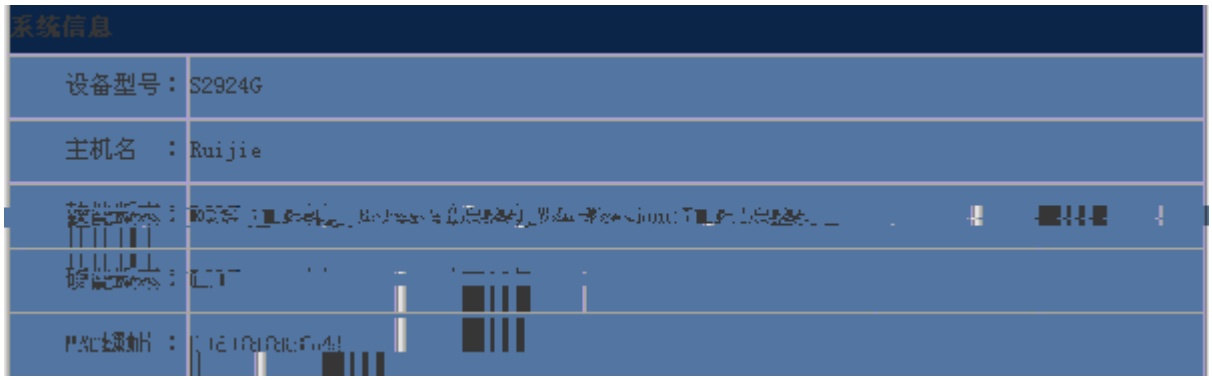
“ ”

1.8

1.8.1

“ ”

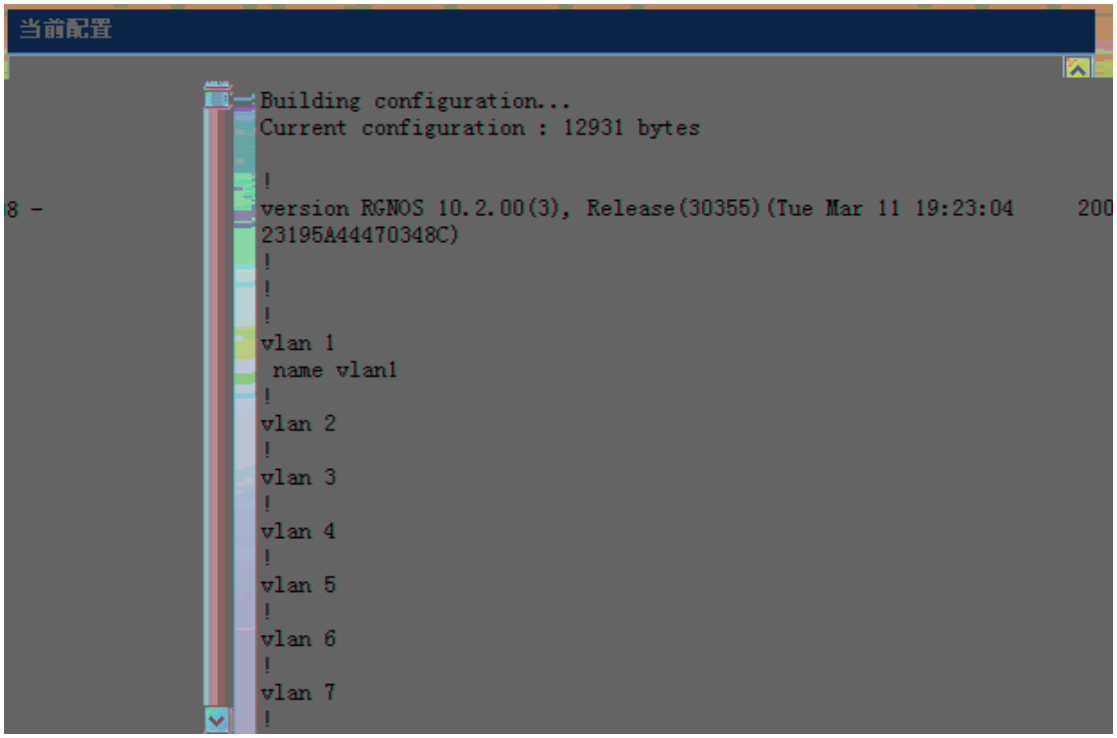
1-79



1.8.2

“ ”

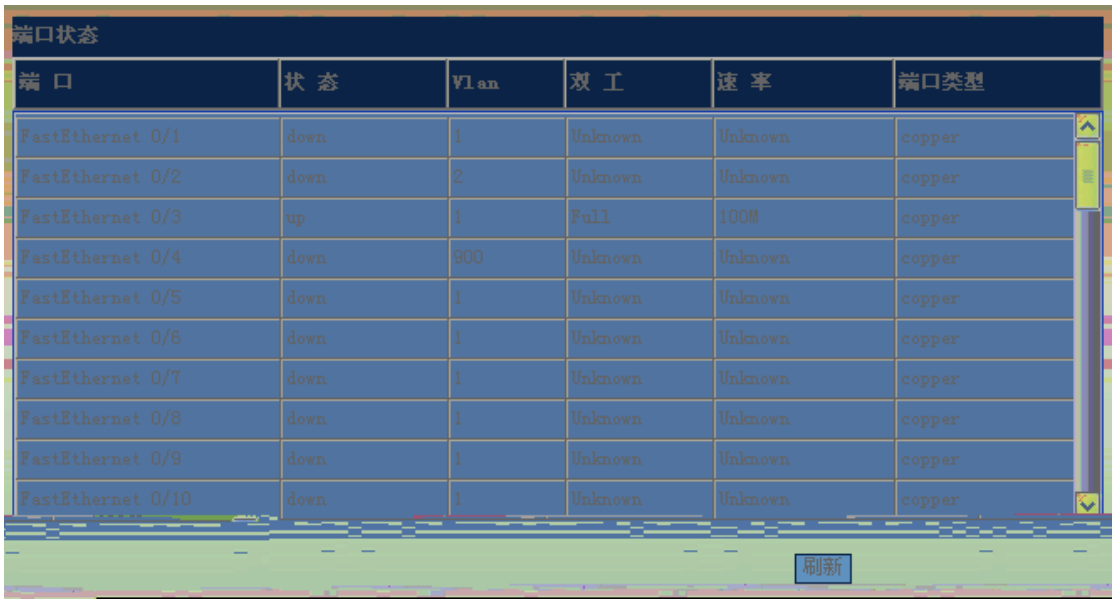
1-80



1.8.3

“ ”

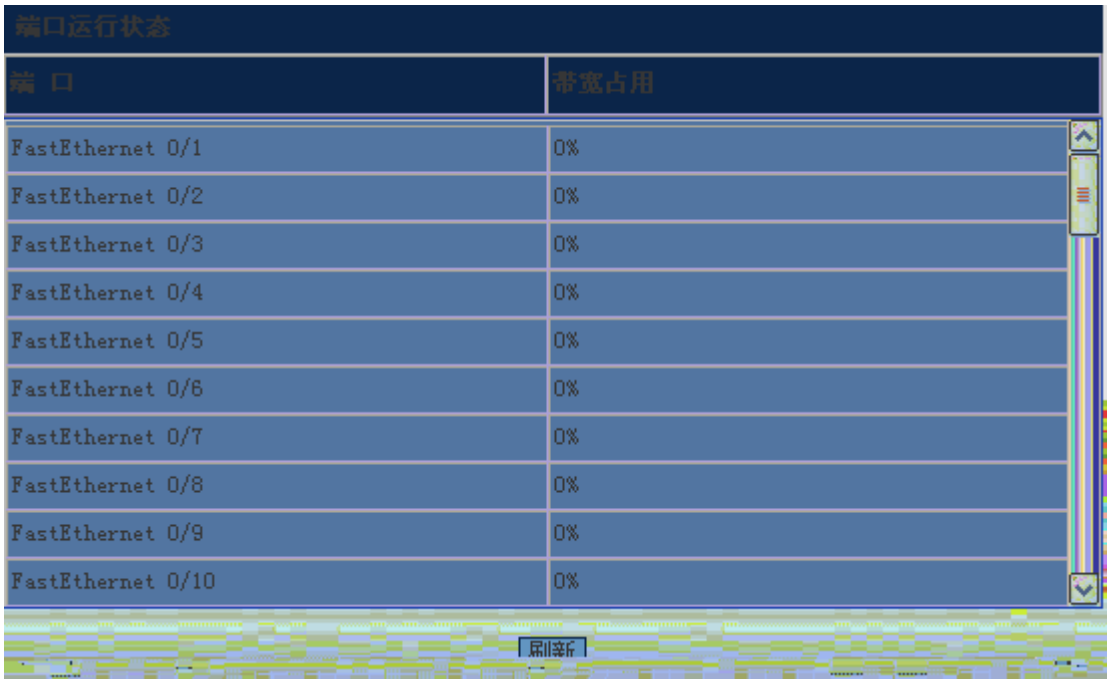
1-81


端口状态
端 口
状 态
Vlan
双 工
速 率
端口类型
FastEthernet 0/1 down 1 Unknown Unknown copper
FastEthernet 0/2 down 2 Unknown Unknown copper
FastEthernet 0/3 up 1 Full 100M copper
FastEthernet 0/4 down 900 Unknown Unknown copper
FastEthernet 0/5 down 1 Unknown Unknown copper
FastEthernet 0/6 down 1 Unknown Unknown copper
FastEthernet 0/7 down 1 Unknown Unknown copper
FastEthernet 0/8 down 1 Unknown Unknown copper
FastEthernet 0/9 down 1 Unknown Unknown copper
FastEthernet 0/10 down 1 Unknown Unknown copper
刷新

1.8.4

“ ”

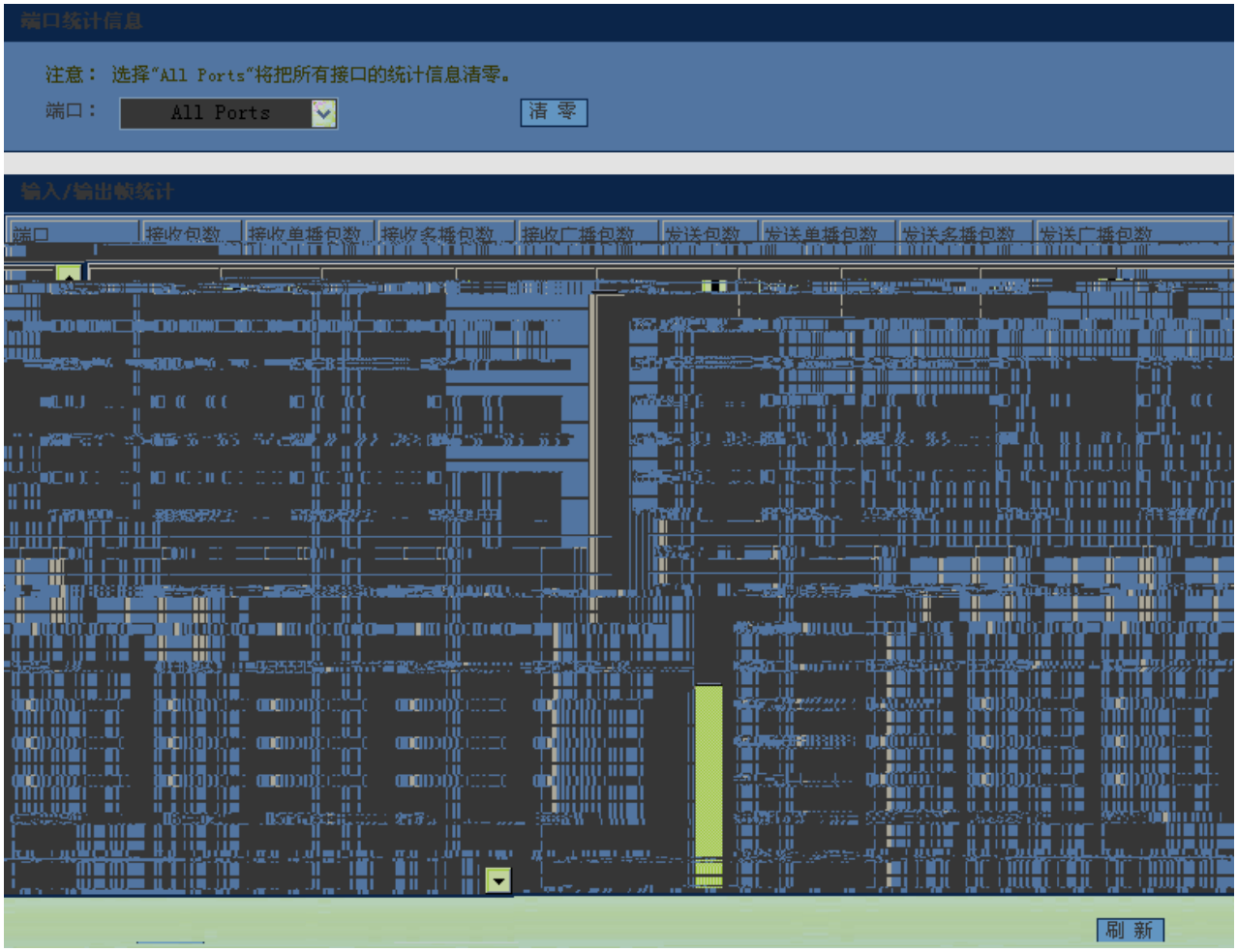
1-82


端口运行状态
端 口
带宽占用
FastEthernet 0/1 0%
FastEthernet 0/2 0%
FastEthernet 0/3 0%
FastEthernet 0/4 0%
FastEthernet 0/5 0%
FastEthernet 0/6 0%
FastEthernet 0/7 0%
FastEthernet 0/8 0%
FastEthernet 0/9 0%
FastEthernet 0/10 0%
刷新

1.8.5

“ ”

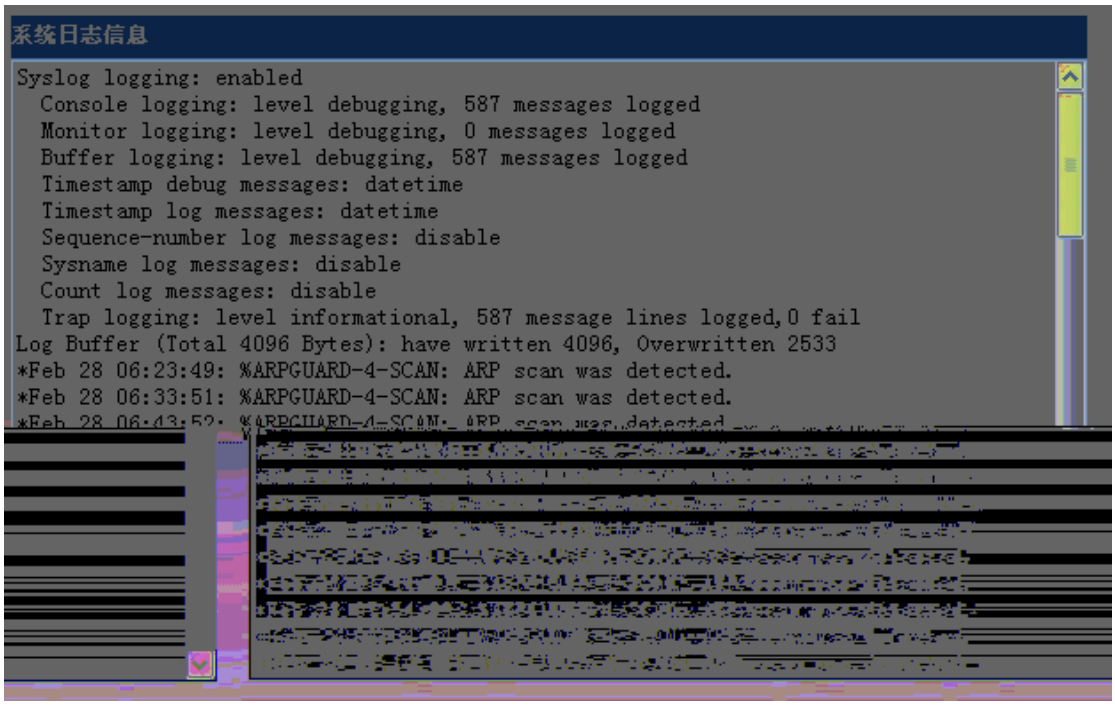
1-83


端口统计信息
注意： 选择"All Ports"将把所有接口的统计信息清零。
端口：
All Ports
清 零
输入/输出帧统计
端口
接收包数
接收单播包数
接收多播包数
接收广播包数
发送包数
发送单播包数
发送多播包数
发送广播包数
刷 新

1.8.6

“ ”

1-84



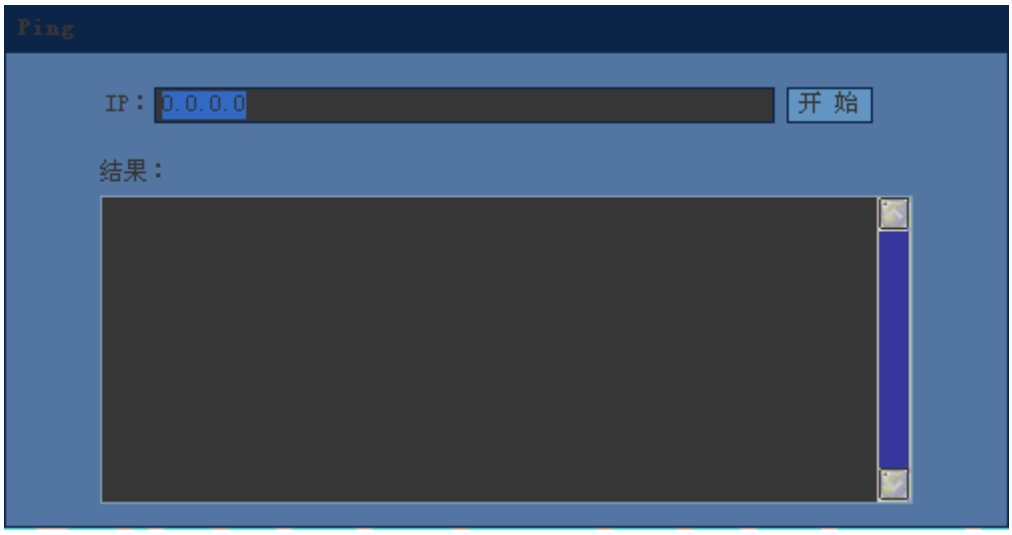
1.9

1.9.1 Ping

“ Ping ”

Ping

1-85 Ping



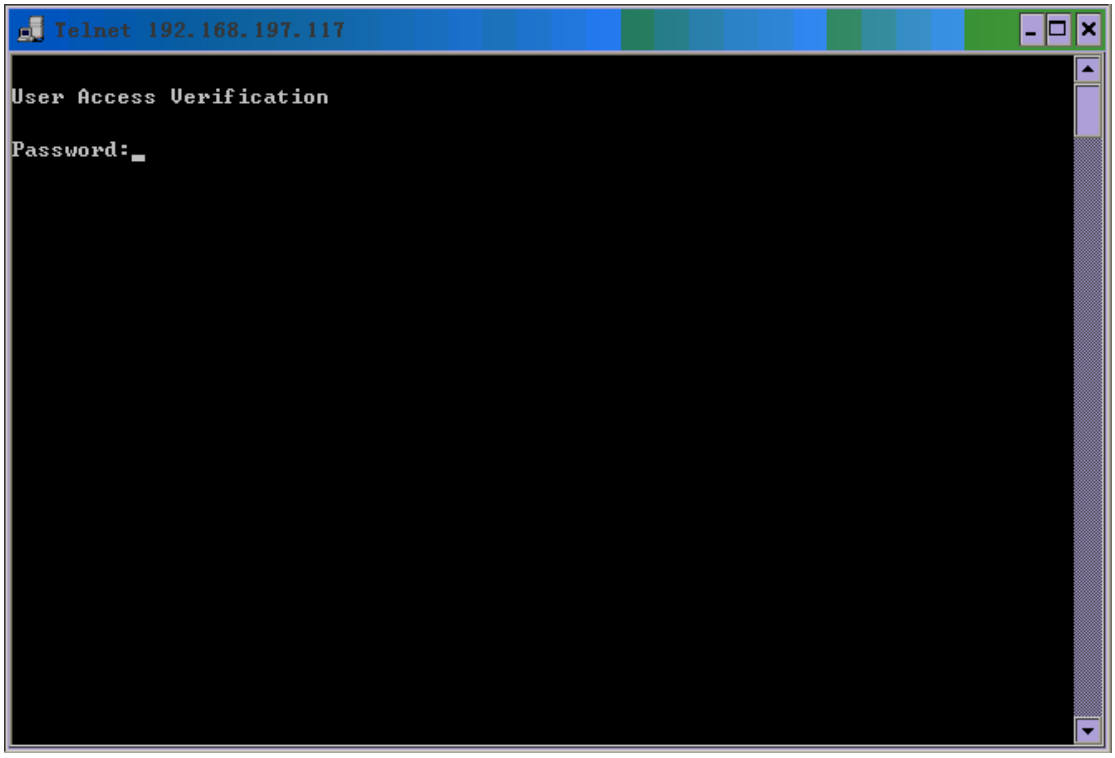
IP “ ” IP Ping

1.9.2 Telnet

“ Telnet ”

Telnet

1-86 Telnet



“ Telnet ” Telnet PC Telnet PC Telnet

1.9.3

“ ”

1-87

用户管理 -- 网页对话框
用户名 ：
admin
用户密码 ：
密码确认 ：
保存
取消
http://192.168.195.200/user_m
Internet

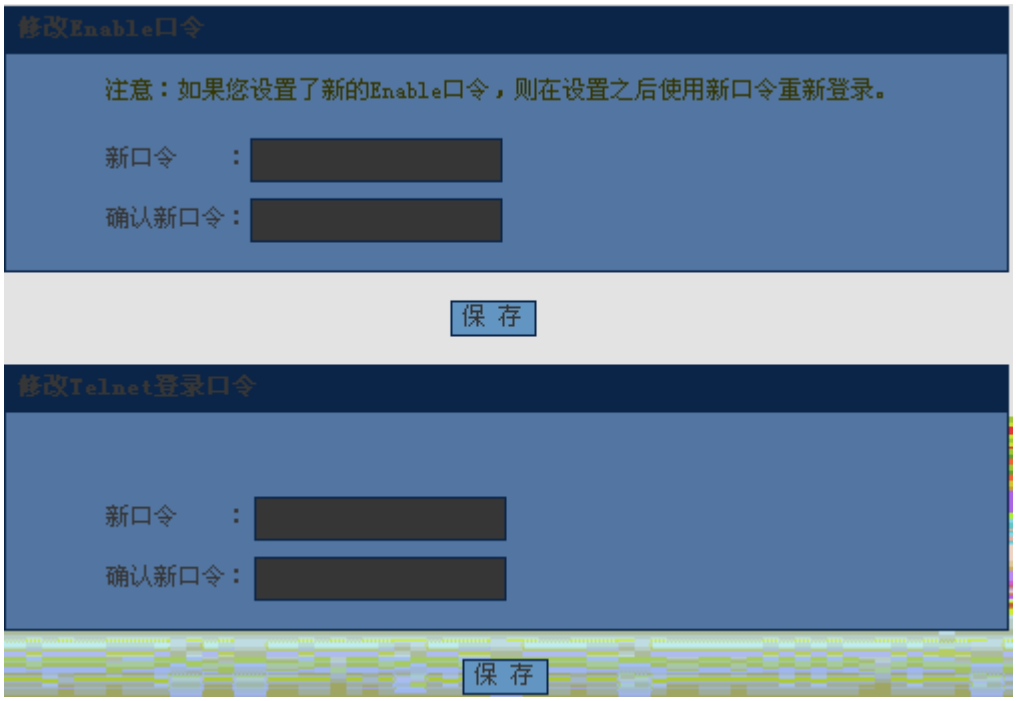
“ ”

~

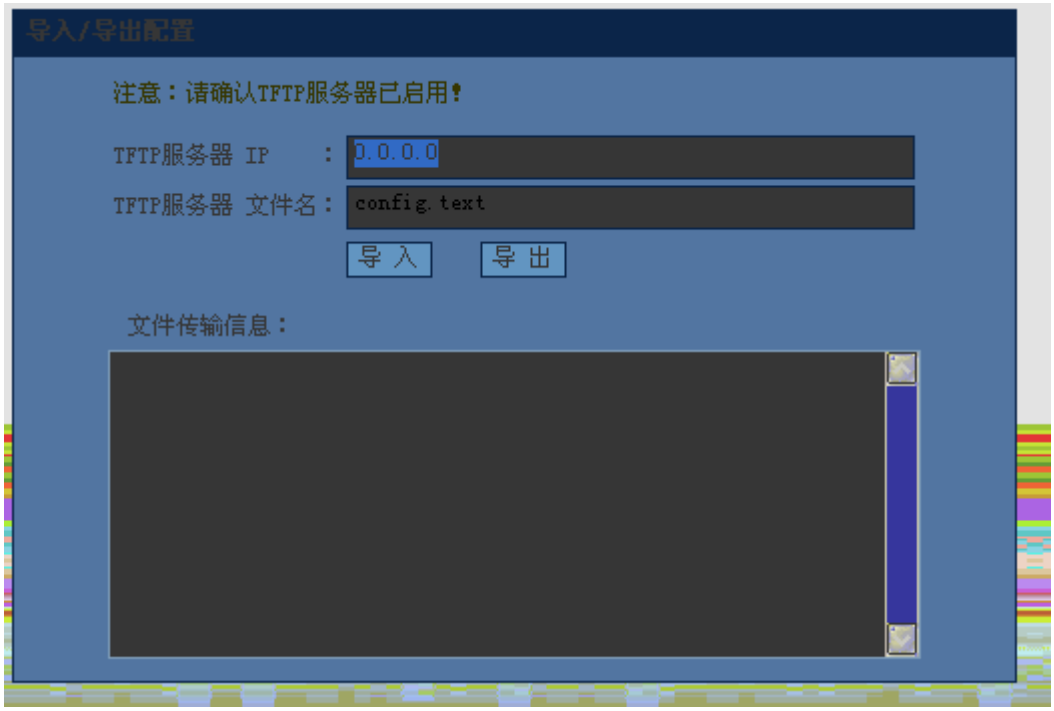
1.9.4

“ ”

1-90


修改Enable口令
注意：如果您设置了新的Enable口令，则在设置之后使用新口令重新登录。
新口令 ：
确认新口令：
保 存
修改Telnet登录口令
新口令 ：
确认新口令：
保 存

Enable



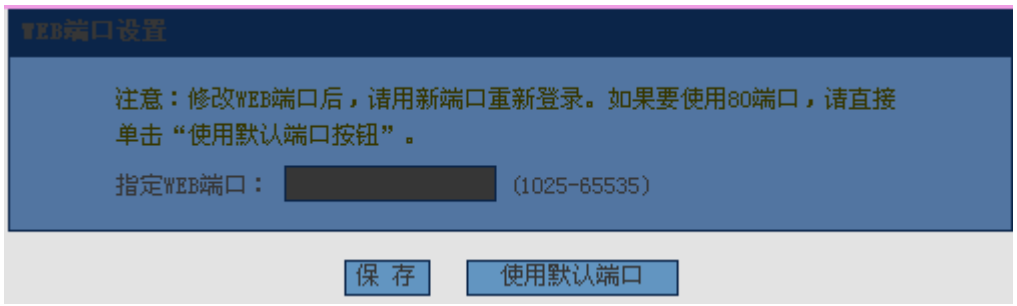
config.text TFTP IP TFTP “ ”
config.text TFTP “ ” TFTP

1.9.6 WEB

“ WEB ”

WEB

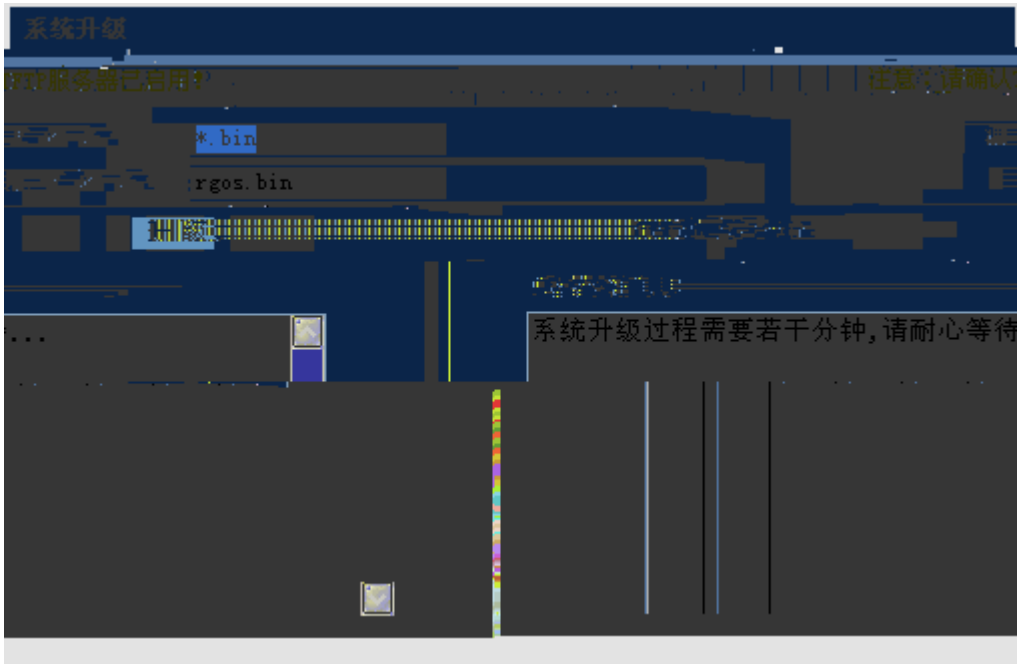
1-93 WEB



1.9.7

“ ”

1-94



TFTP TFTP

TFTP IP “ ”

1.9.8

“ ”

“ ”

1.10 WEB

WEB WEB enable

WEB

Local

```
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
!
!
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 service password-encryption
!
enable password admin             //WEB     Enable
enable service web-server           //     WEB
!
!
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
```