# Web

## RG-RSR10-01G-T

## RGOS 10.4(3b64)p10

V1.1

RGOS 10.4 (3b64)p10

[ ]  [ ]

{ x | y | ... }

[ x | y | ... ]

//

2)

3)

# 1 Web

## 1.1

RSR10-01G

### 1.1.1

Web IE Firefox Chrome

Web Web Web Web
Web IE Firefox Chrome

### 1.1.2

Web

Web Web
HTTP
HTTPS TLS1.0

Web

Web Web Web Web
IE Firefox Chrome Safari

## 1.2

### 1.2.1

Web

Web

IP

Web Web Web

IE Firefox Chrome Safari IE ( Maxton)
Web

PC 1280*1024
1440*900 Web

## 1.2.2

, Web IP 192.168.1.1 255.255.255.0 Web
admin admin Windows XP

Web

| | |
|---|---|
| Web | |
| Web | Eth0-Eth4 IP 192.168.1.1 |
| Web | admin admin |

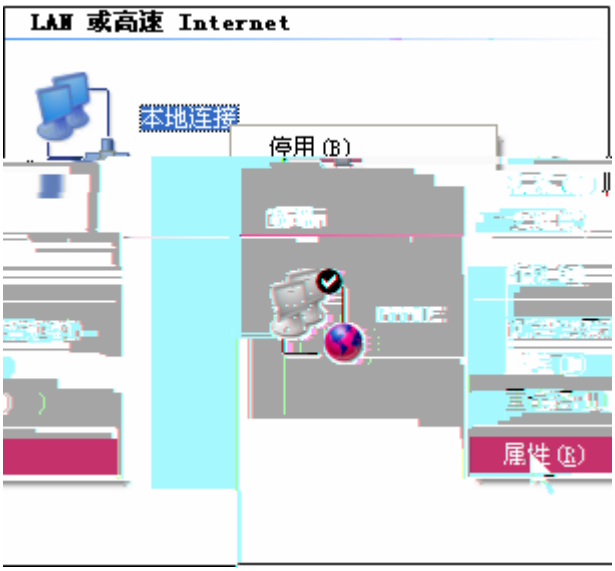
Eth1-Eth4 192.168.1.1 Web

PC PC Eth4
PC

PC IP

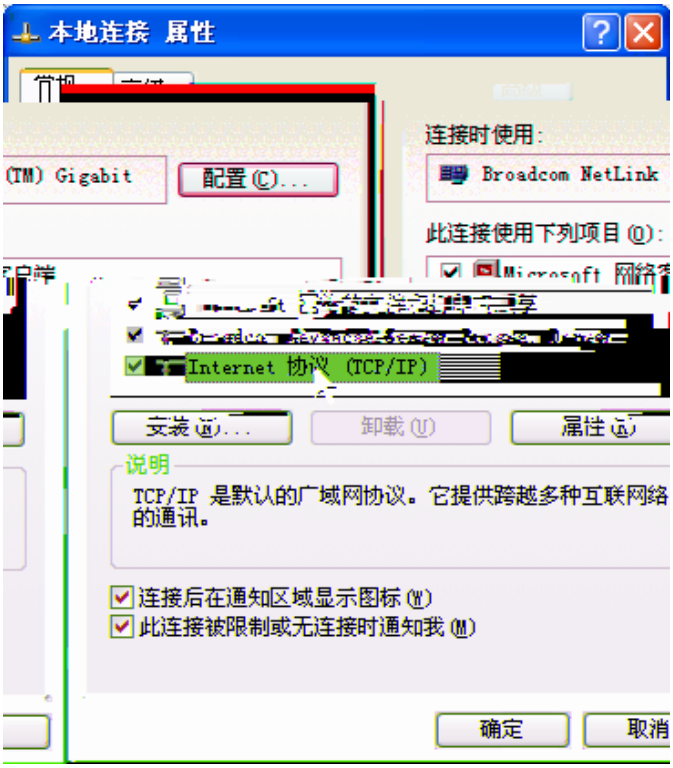
PC “ ” -> “ ” -> “ Internet ” ->" "

1-1




” ” ” ” ” Internet TCP/IP ”

1-2

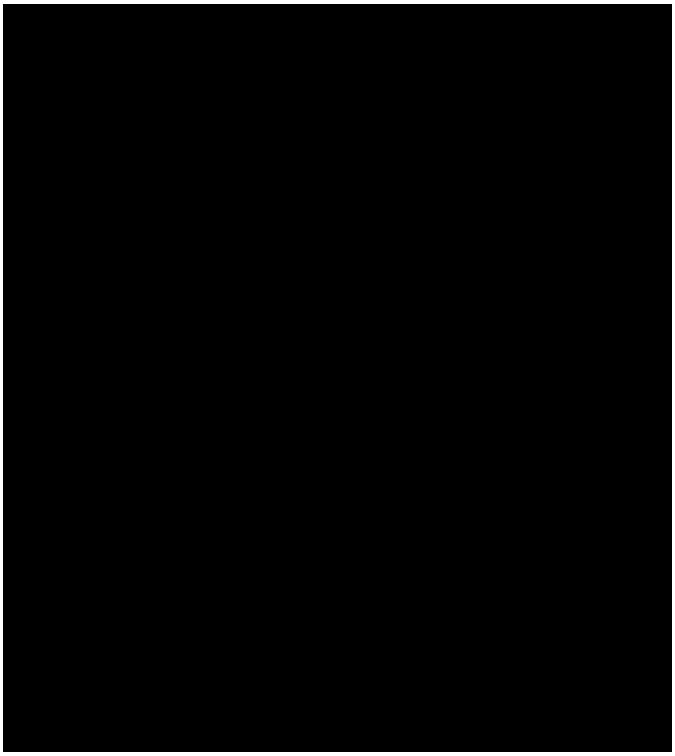



“ ” PC IP

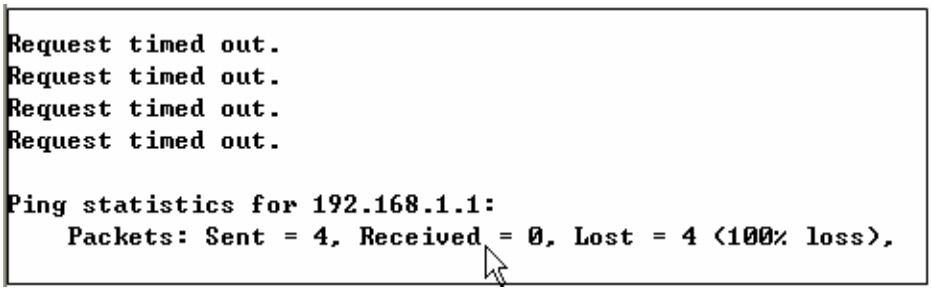
“ Internet TCP/IP ” “ IP ” “ IP ” 192.168.1.xxx xxx

2 254 “ ” 255.255.255.0 “ ” 192.168.1.1 IP

1-3

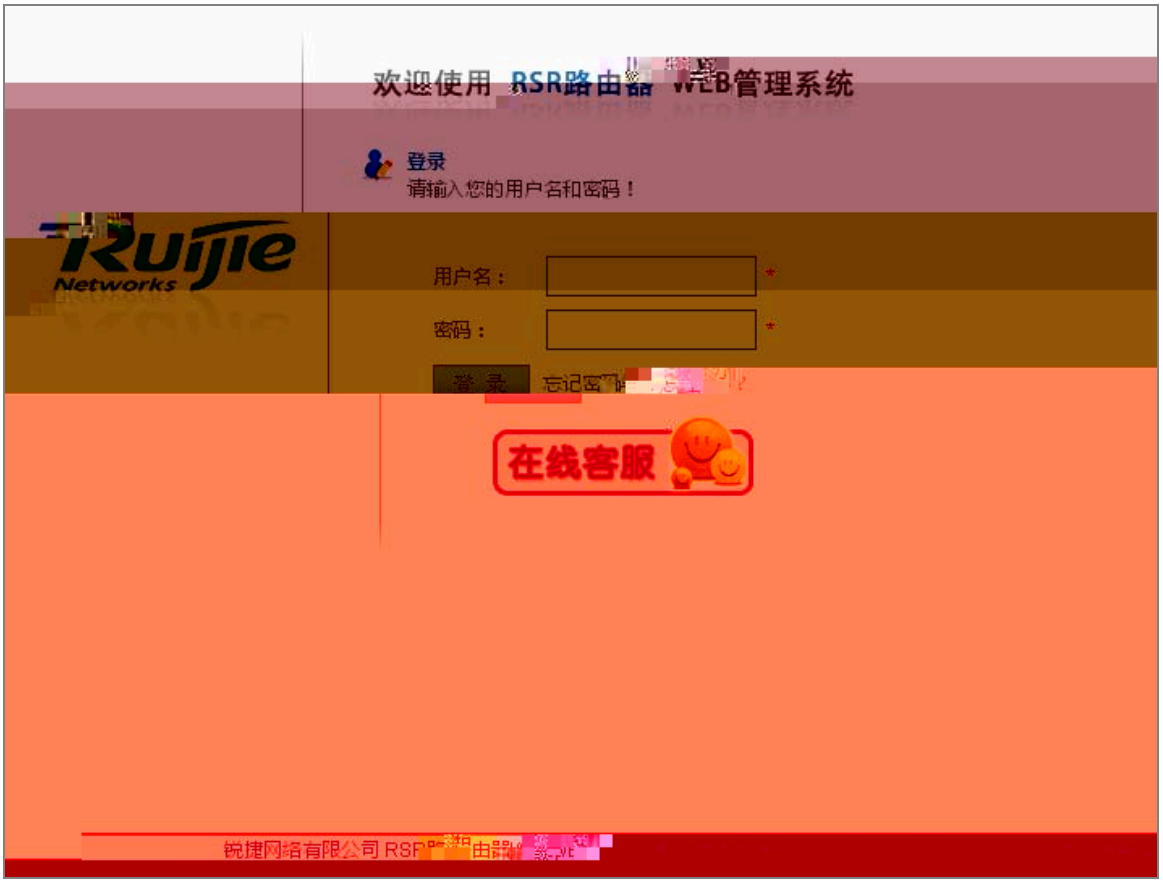


IP 192.168.1.1 PC IP 1, ”


Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC

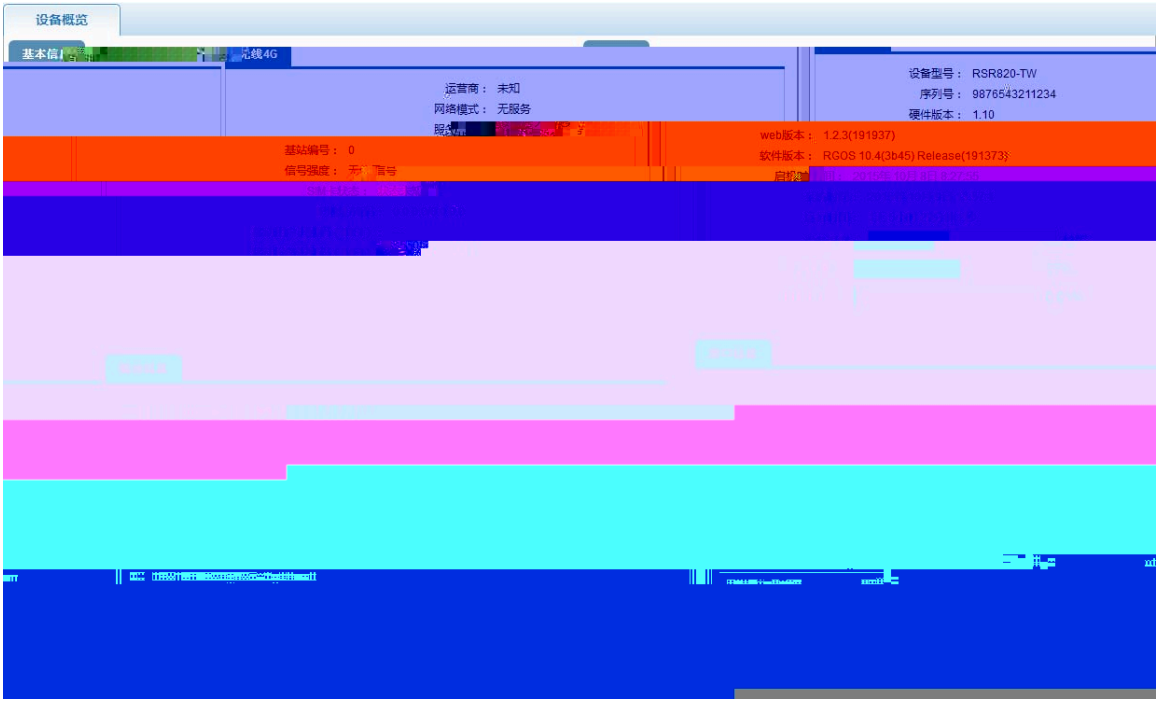
1-6




admin/admin Web , 1-7

admin

1-7:

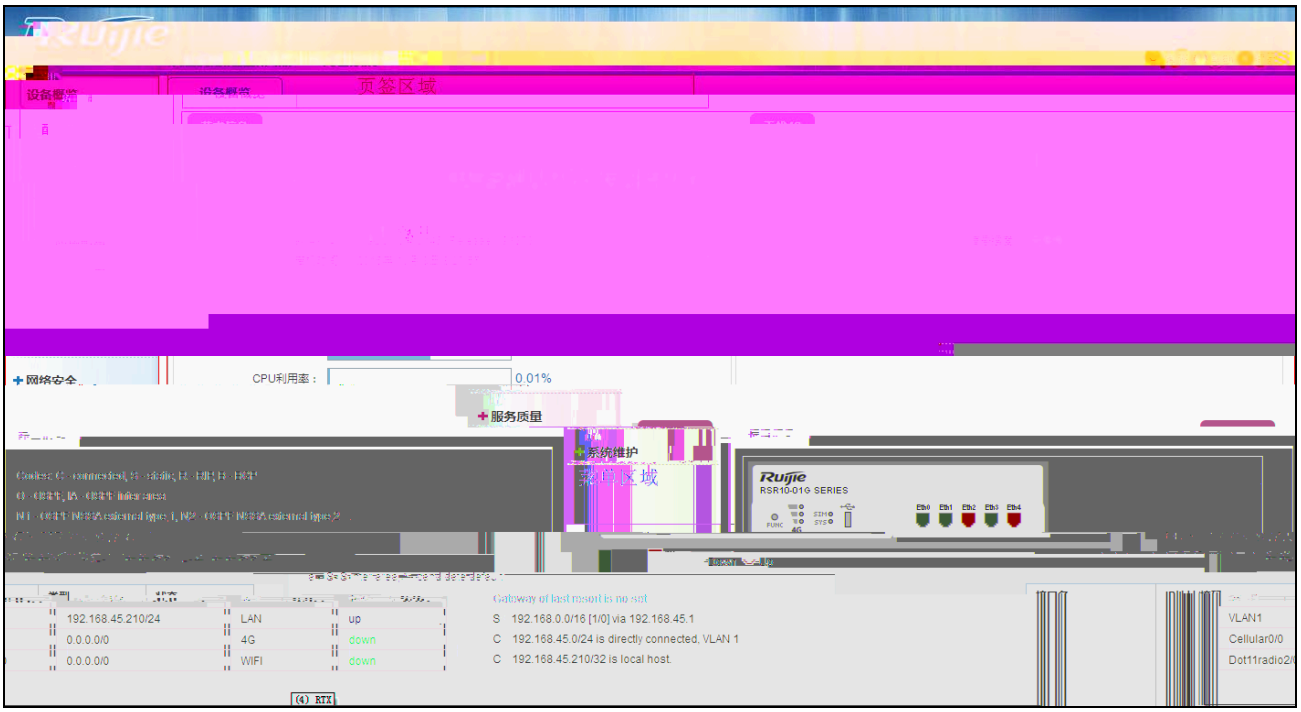



## 1.2.4 Web

### 1.2.4.1

RSR Web 1-8

1-8 Web



1-8 Web

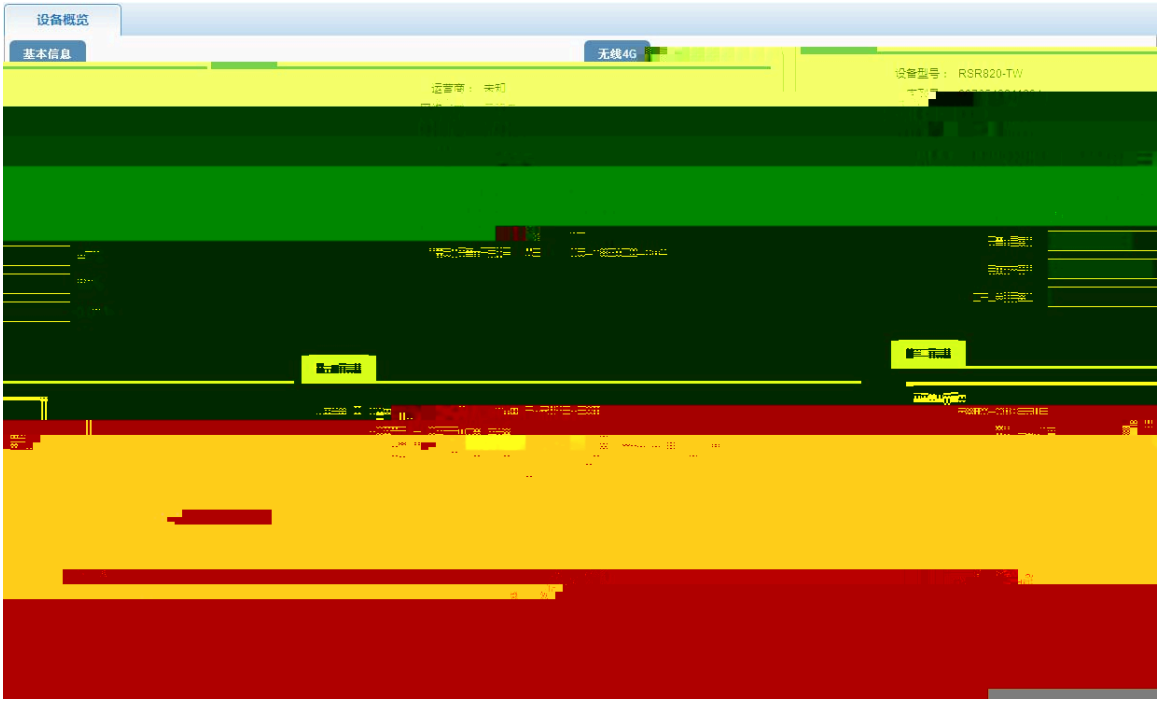
## 1.3

### 1.3.1

Web

CPU

1-9




### 1.3.2

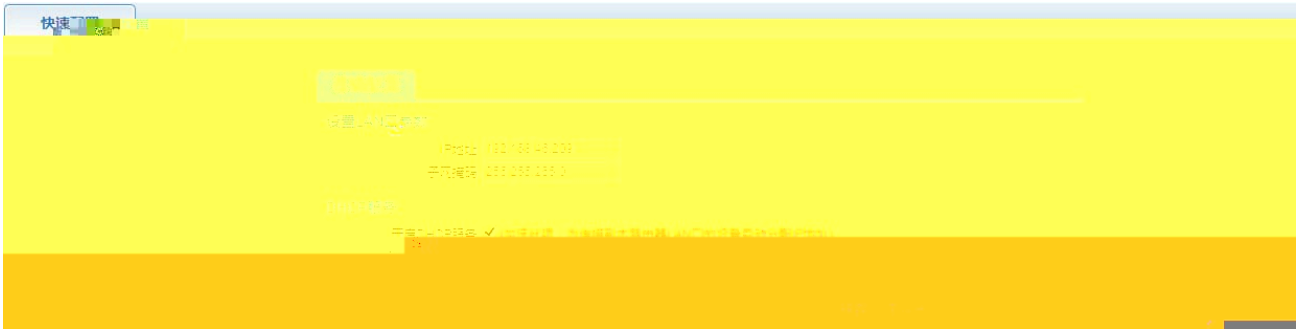
Web

VPN &

#### 1.3.2.1

LAN WiFi WiFi DHCP

1-10



LAN IP

WiFi SSID WiFi

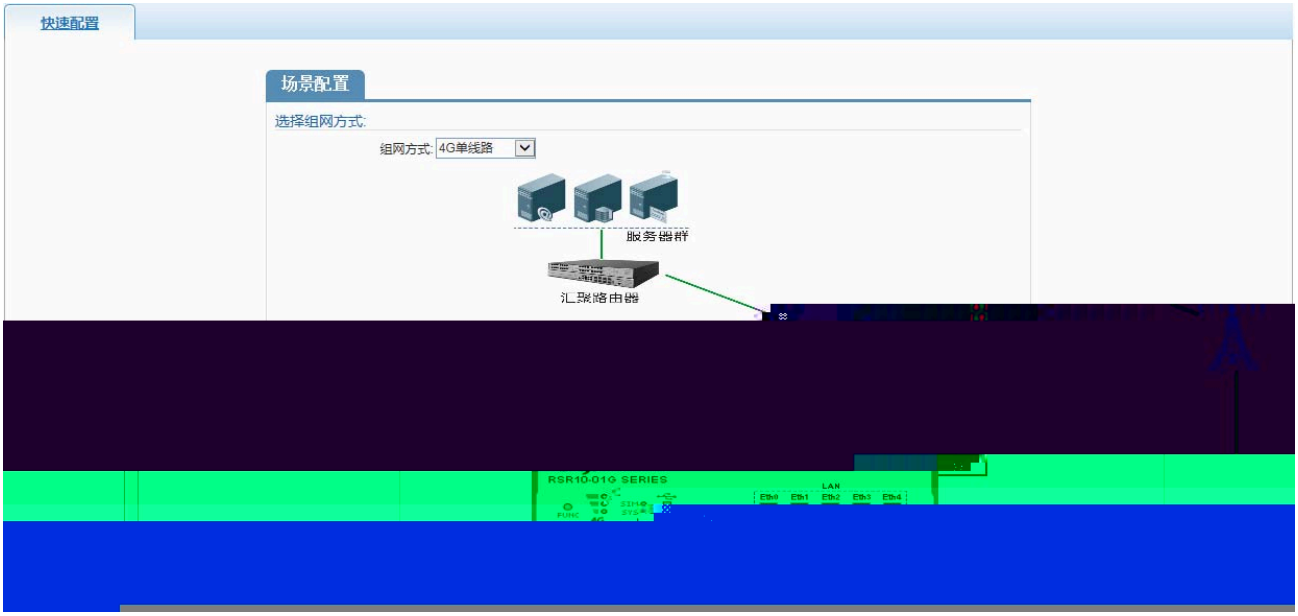
DHCP WiFi IP

Eth1 Eth 4

### 1.3.2.2

1-11

4G




4G 4G 4G

IP PPPoE ADSL

4G 4G

4G

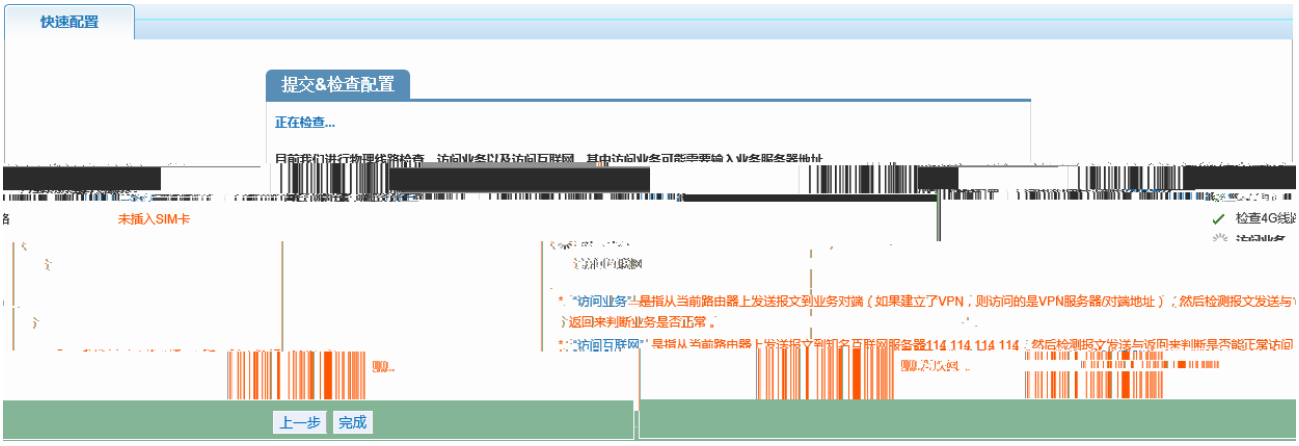
4G Eth0 Eth4
Eth1 Eth 4

### 1.3.2.3 VPN

1-13 VPN

GRE

GRE GRE Ping ÷ M d £ ? d




FAQ

### 1.3.2.5

## 1.3.2.5.1 4G NAT

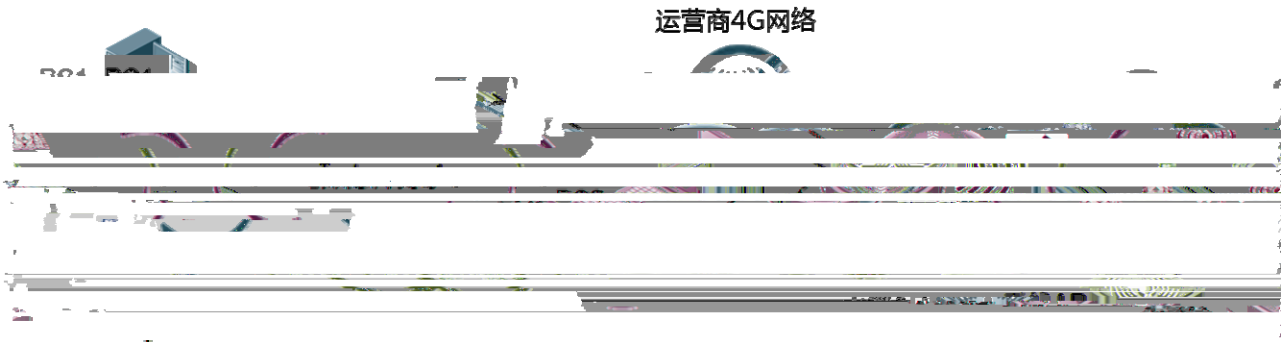
### 1.3.2.5.1.1

4G

ADSL/PON WiFi

### 1.3.2.5.1.2

1-15




### 1.3.2.5.1.3

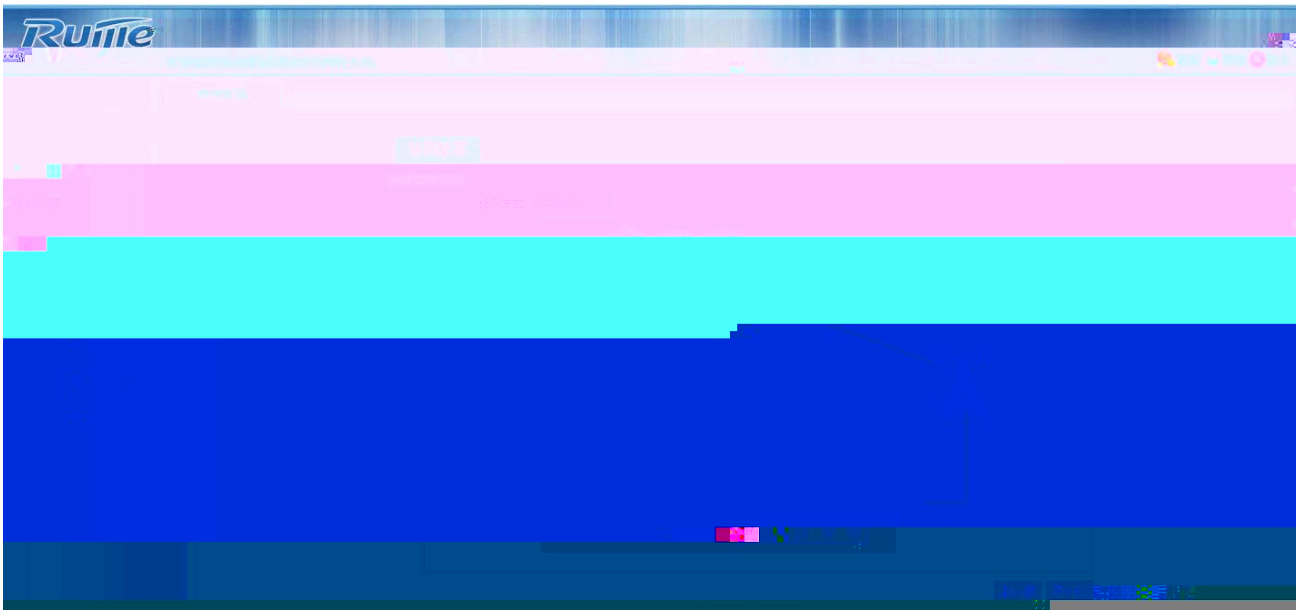
“ ” “ ” LAN IP DHCP DHCP

“ DNS “ ” DNS “ ” “

1-16

Web Web “ “ ” “ ”
“ 4G ” ”

1-17



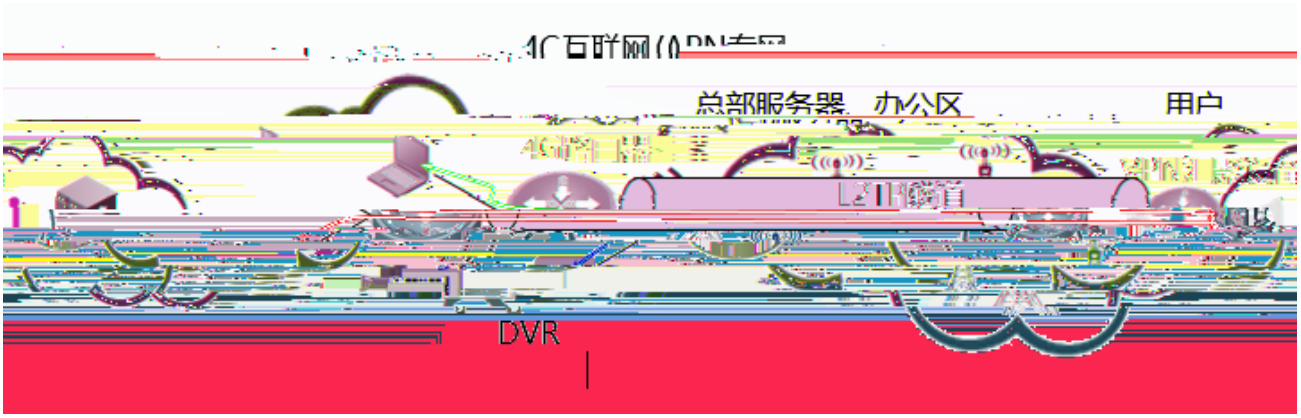
## 1.3.2.5.2 **L2TP VPN**

### 1.3.2.5.2.1

4G 4G 4G
NAT VPN L2TP VPN AAA 4G
L2TP VPN IP

### 1.3.2.5.2.2

1-21




### 1.3.2.5.2.3

“ ” “ ” LAN IP DHCP DHCP
“ DNS “ ” DNS “ ” “

1-22

“ & “ “

”

1-27

## 1.3.3

“ VLAN ” “ ” “ ” “ DHCP ” “ SNMP ”

### 1.3.3.1 VLAN

VLAN

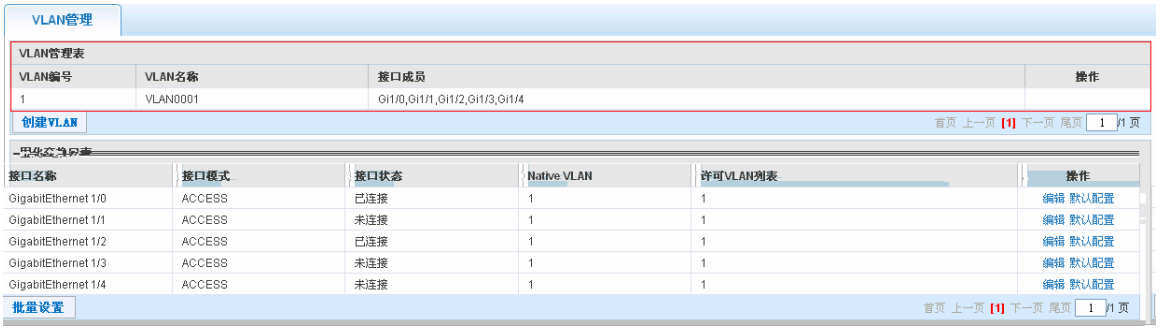
VLAN Virtual Local Area Network VLAN

VLAN

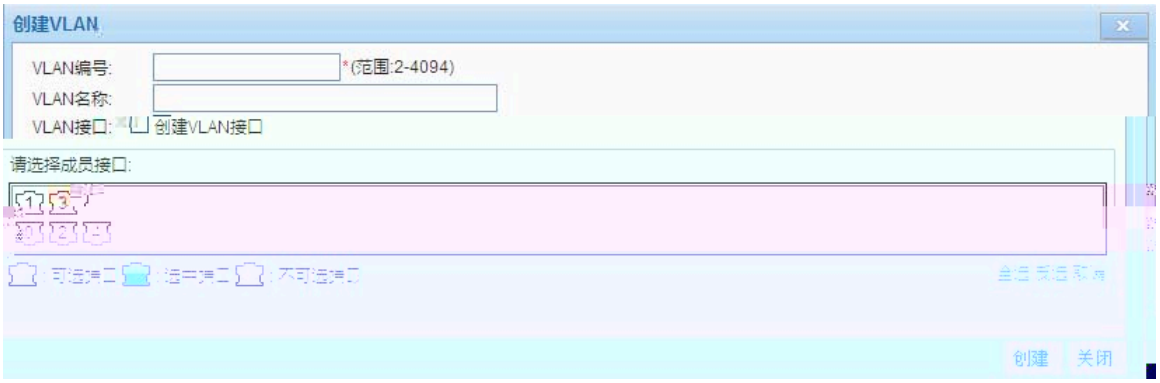
VLAN VLAN VLAN VLAN

IP VLAN VLAN

1-28



1-29 VLAN

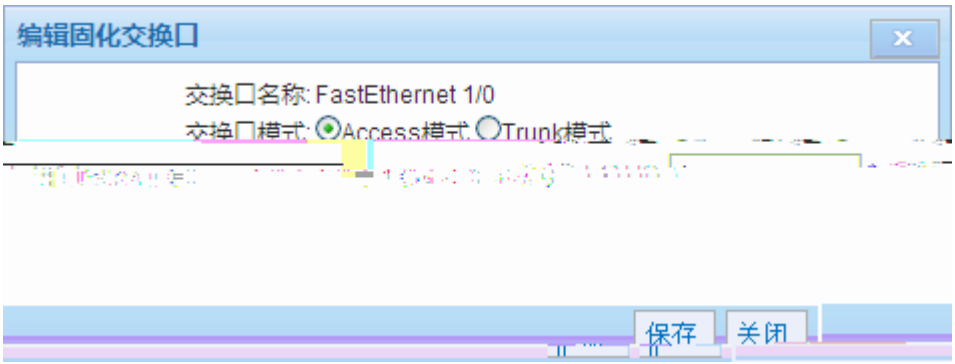



VLAN VLAN ID ID VLAN

VLAN ID VLAN

VLAN SVI VLAN VLAN VLAN
SVI “ ” “ SVI ”

1-30 VLAN




1-35

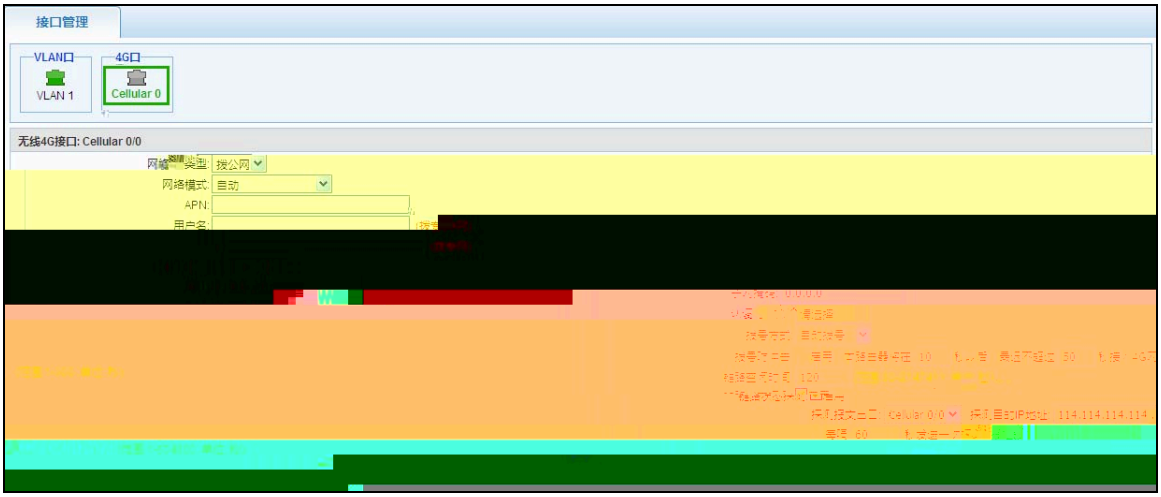
### 1.3.3.2

“ 4G ”“ SVI “

4G

4G “ “

1-36




LTE 4G TD-SCDMA 3G WCDMA 3G GSM & 2G

(APN) APN APN

/ 4G

IP 4G IP 4G

IP

“ CHAP ” “ PAP ” “ CHAP&PAP ”,

4G UP

4G

## SVI

SVI Switch Virtual Interface, SVI

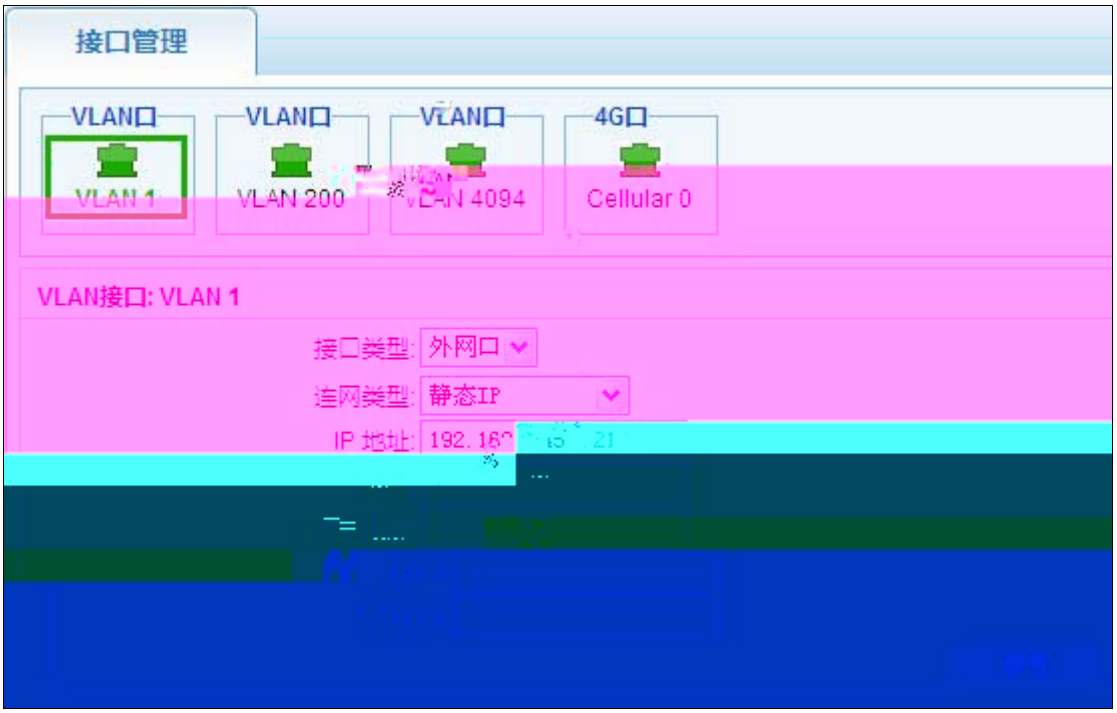
SVI Internet IP IP

DHCP IP PPPoE SVI VLAN ID “ VLAN ”

VLAN ID

NAT

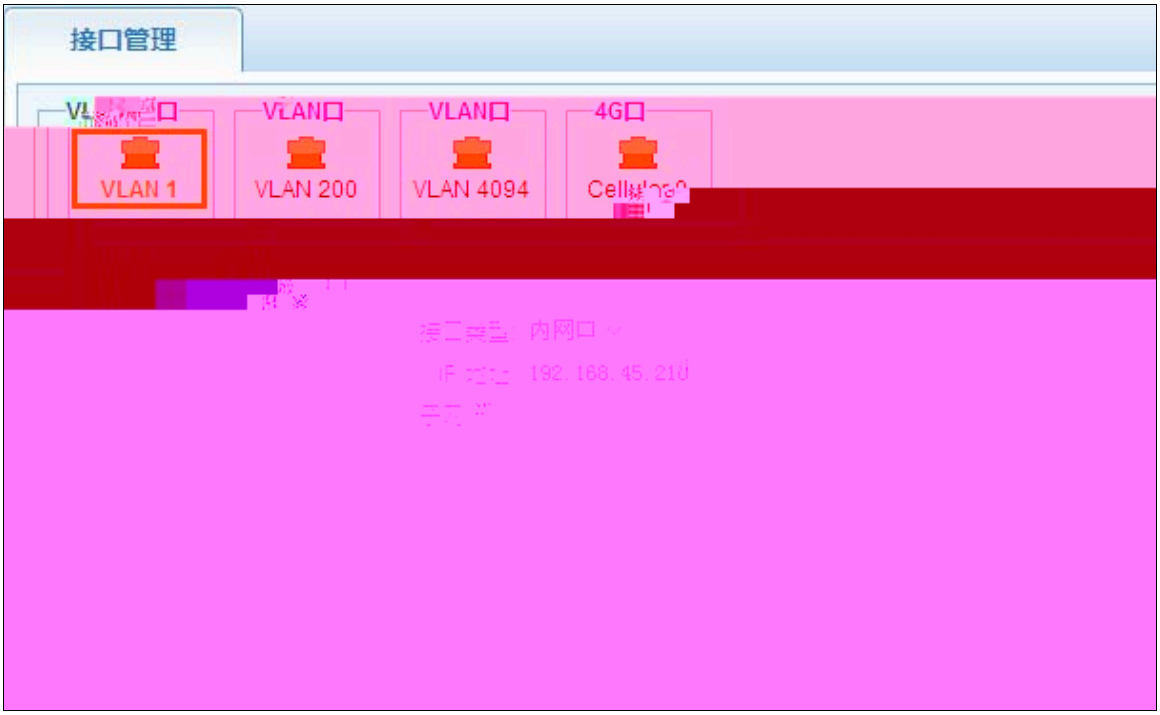
1-37




“ IP ” IP “ IP ” DHCP

“ PPPoE(ADSL) ” ADSL

1-38




SVI IP IP

DHCP IP

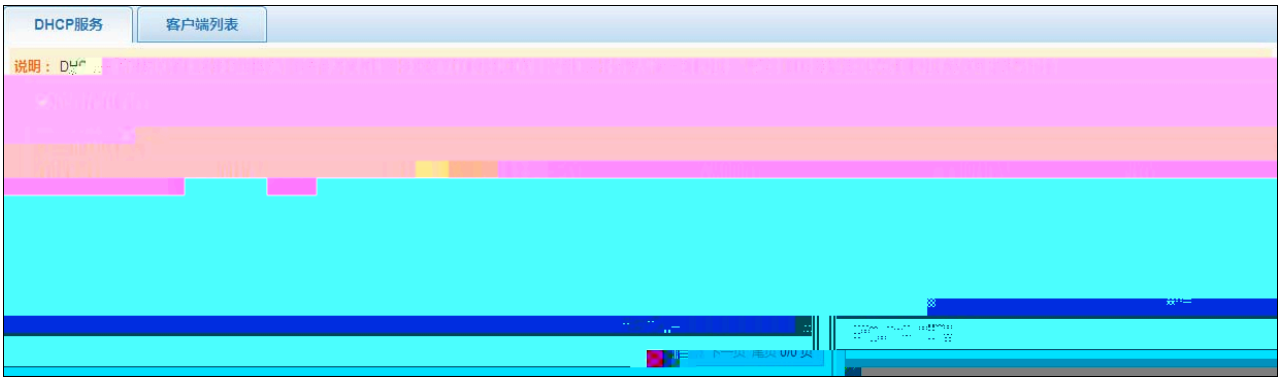
### 1.3.3.3 DHCP

Dynamic Host Configuration Protocol, DHCP DHCP

IP DHCP IP IP IP

DHCP DHCP DHCP

1-39




“ IP ”

1-40

“ ” “ ”

1-41

1-32

IP IP

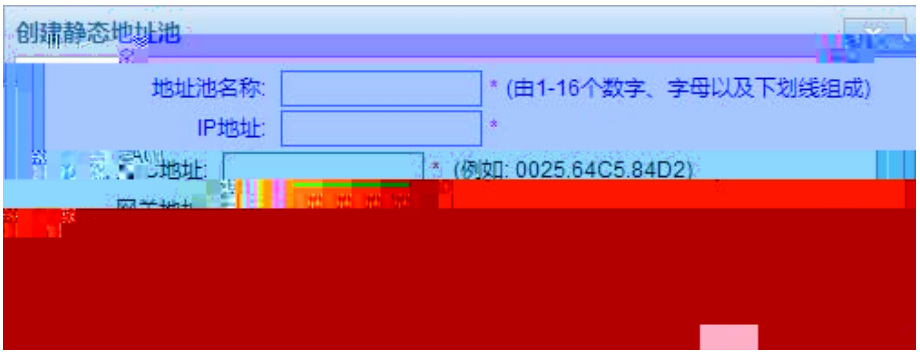
IP IP

DNS/ DNS

IP IP

“ ” “ ”

1-42




1-32

IP IP IP

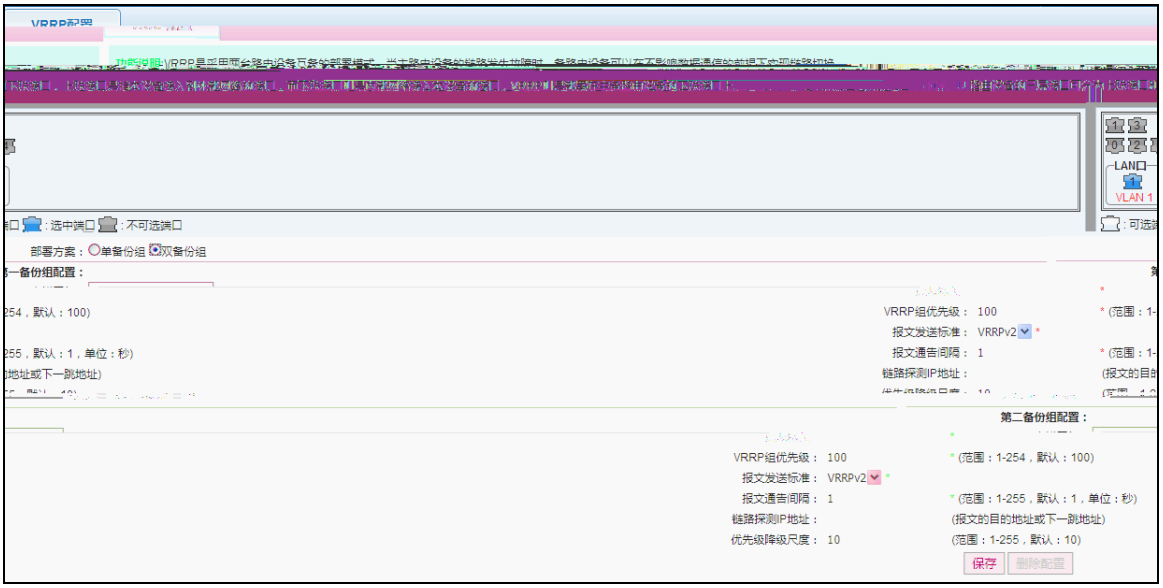
MAC MAC

IP

DNS

IP

1-43

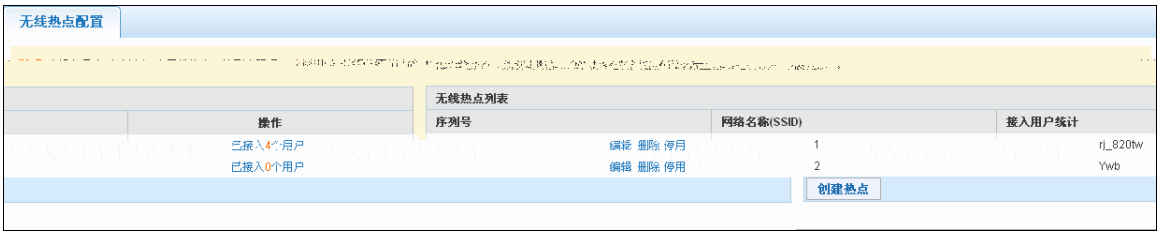



## 1.3.4

### 1.3.4.1

WiFi AP iPad

1-46 AP




3 SSID

AP SSID

WLAN-ID 1 3

SSID iPad

AP

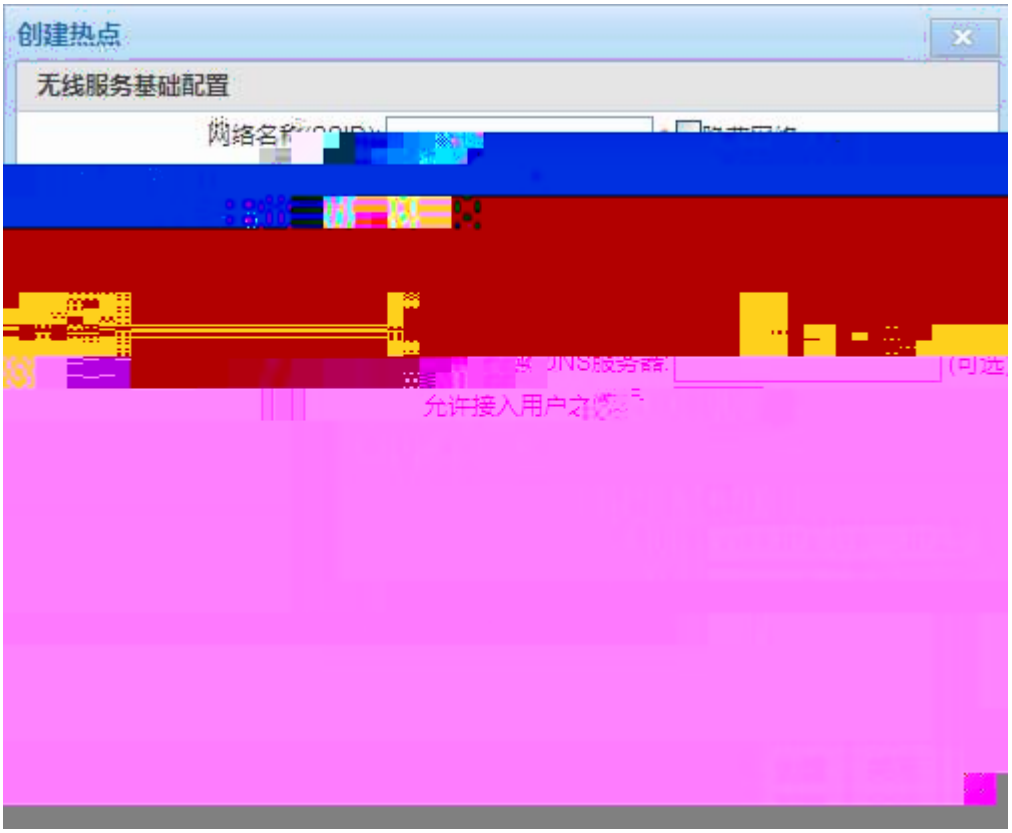
AP

AP AP

1-47

AP AP MAC IP
SSID

1-48 AP




AP

SSID iPad

SSID

DHCP IP

IP / IP WiFi IP

255.255.255.0

DNS

WiFi

WiFi

WPA-PSK/ WPA2-PSK　WPA2-PSK　WPA-PSK　　WPA-PSK/ WPA2-PSK

AES/TKIP　AES　TKIP

8-63　ASCII

### 1.3.4.2

WiFi

1-49　　WiFi

Station　　AP

Station

WiFi

WiFi

IP　　WiFi　IP　　IP

DNS　　DNS IP

### 1.3.4.3

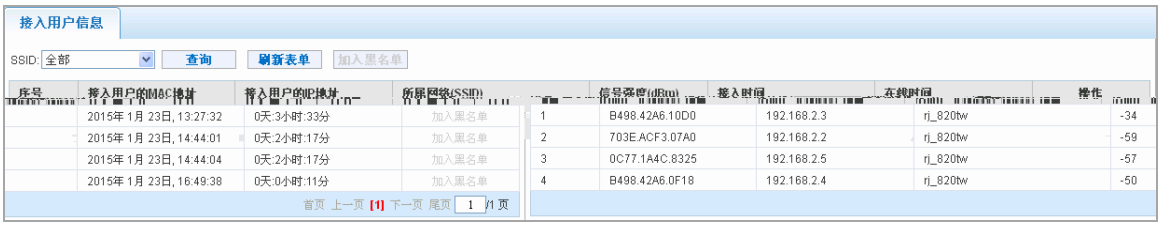
WiFi

1-50

### 1.3.4.4

WiFi SSID

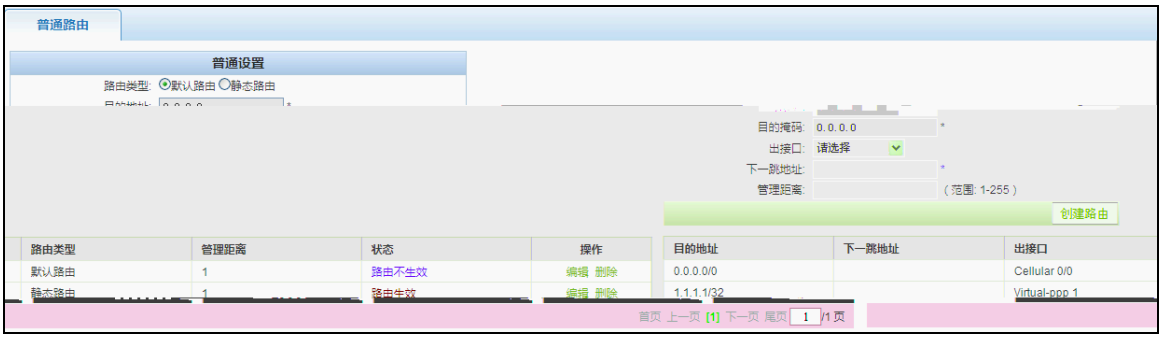
1-51




## 1.3.5

### 1.3.5.1

1-52




IP

IP

IP

“ 1 ”

0.0.0.0

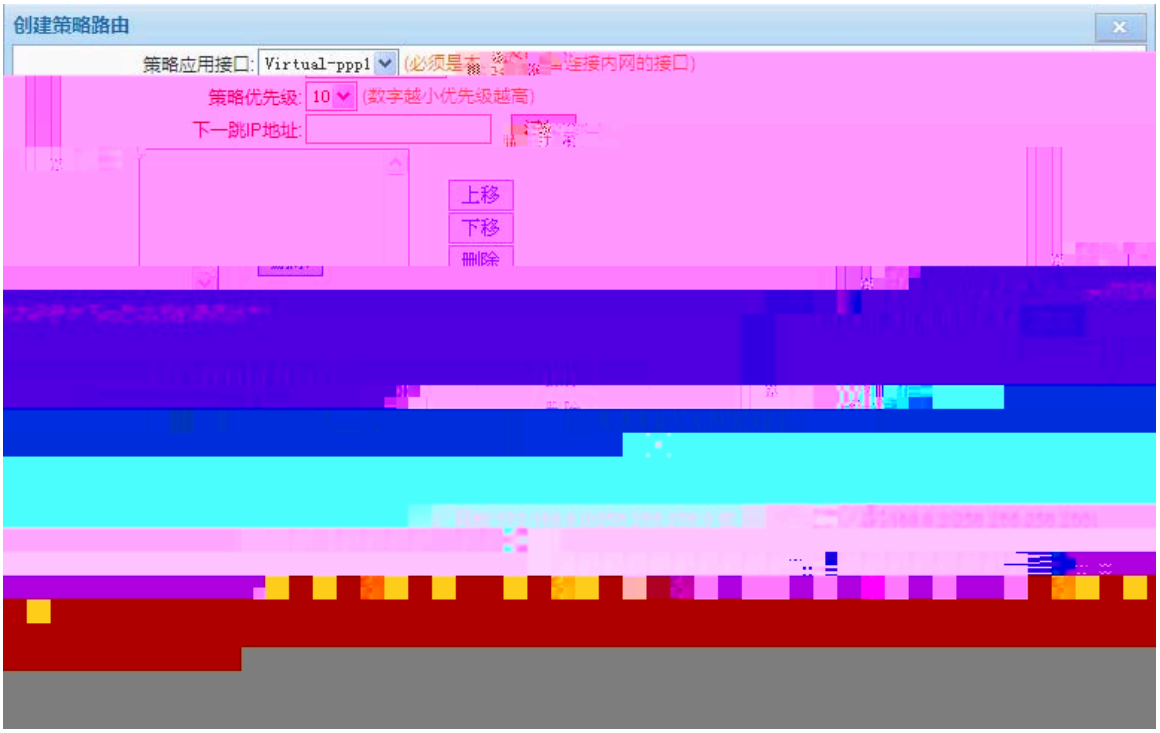
### 1.3.5.2

PBR Policy-Based Routing

IP

1-53

1-54




IP

IP

### 1.3.5.3 RIP

RIP(Routing information Protocol) (Interior Gateway Protocol, IGP)
(distance-vector) RIP UDP
15

Web RIPv2 RIP RIP Web
RIP IP
RIP

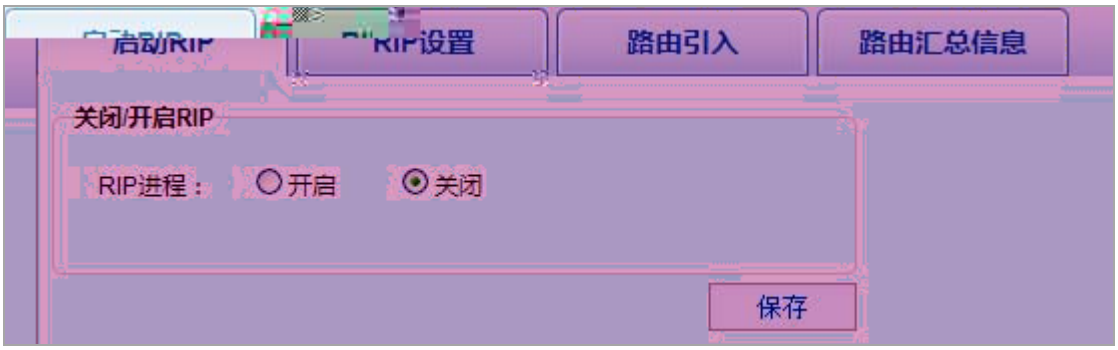
IP RIP

### RIP

RIP

RIP

1-55

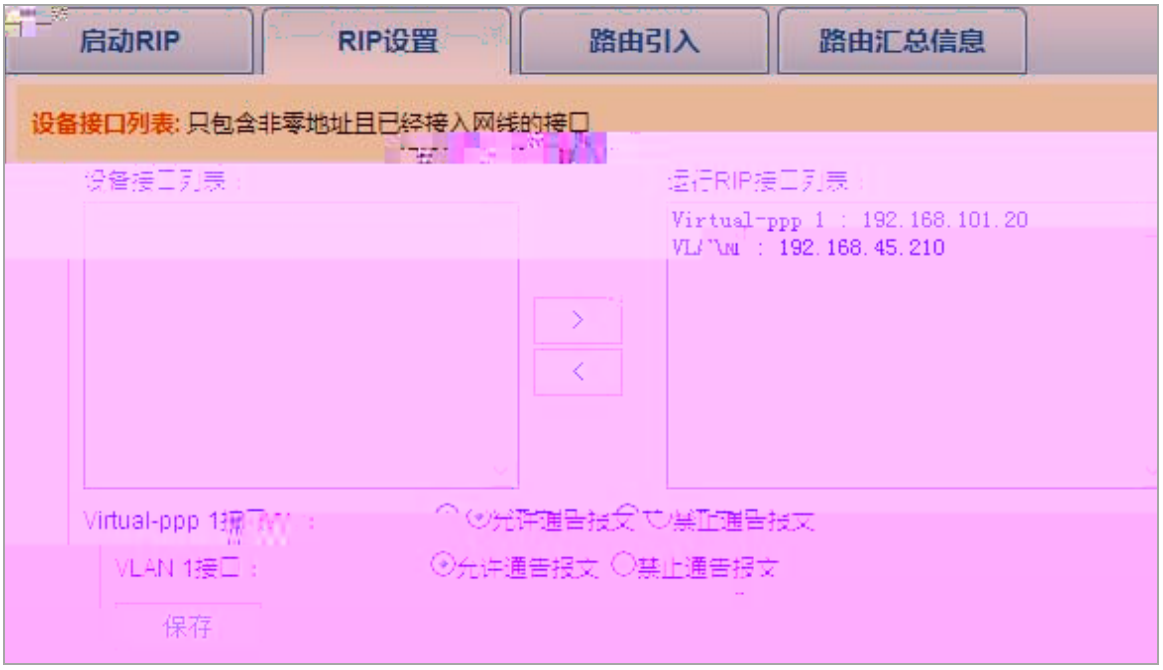



### RIP

VLAN

RIP RIP

1-56

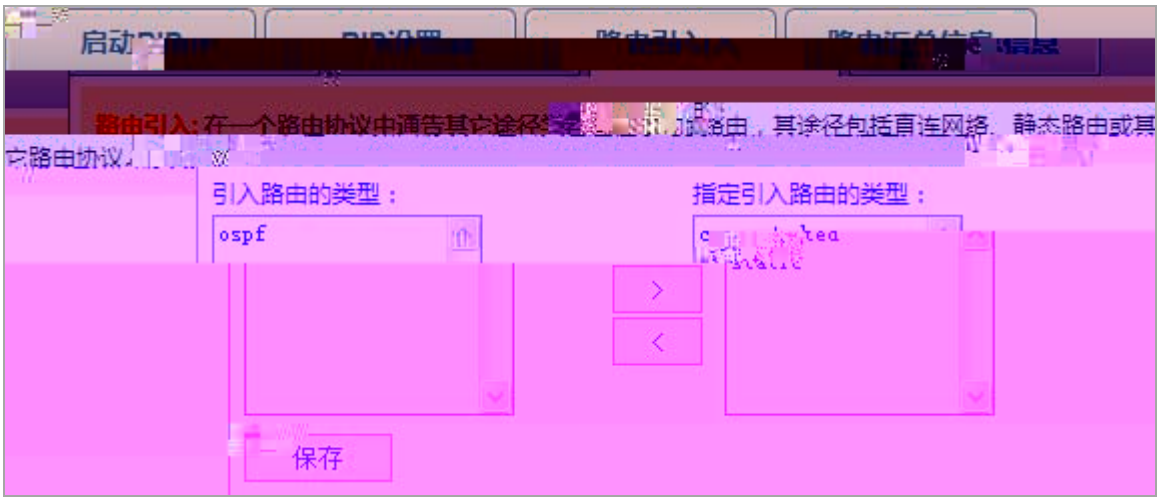


: RIP OSPF

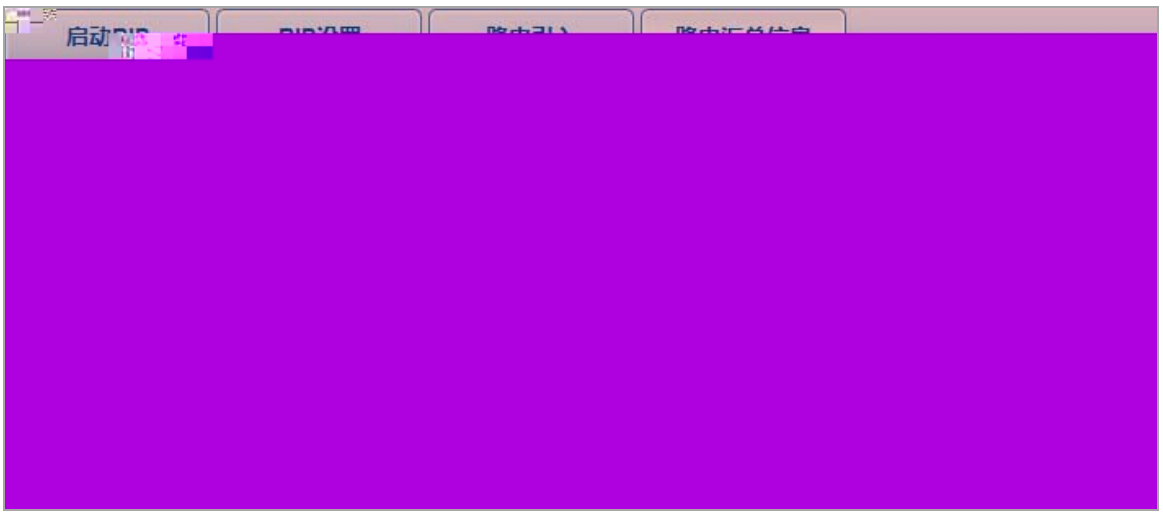
OSPF RIP OSPF

OSPF Connected Static

1-57




1-58



### 1.3.5.4 OSPF

OSPF Open Shortest Path First (Interior Gateway Protocol,IGP),
Autonomous System ,
(RIP) OSPF

OSPF OSPF Web
OSPF IP
OSPF

| | | |
|---|---|---|
| | ID | ID OSPF |

**OSPF**

OSPF ID “1”

1-59

**OSPF**

VLAN

OSPF

1-60

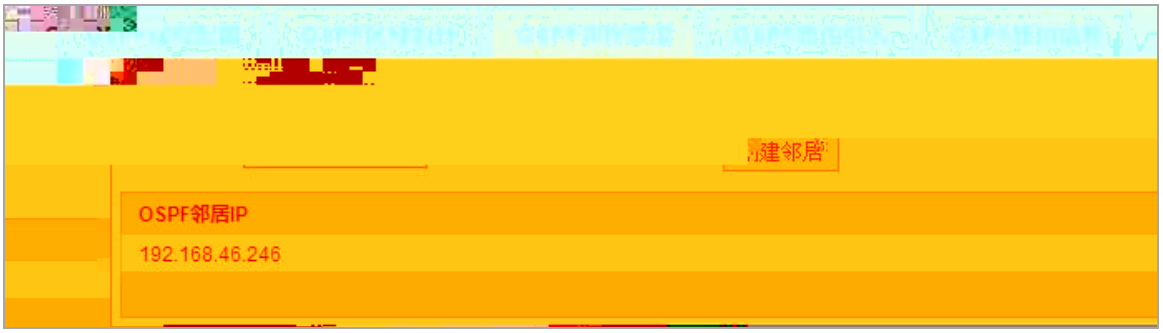
## OSPF

OSPF OSPF

OSPF OSPF

OSPF

1-61

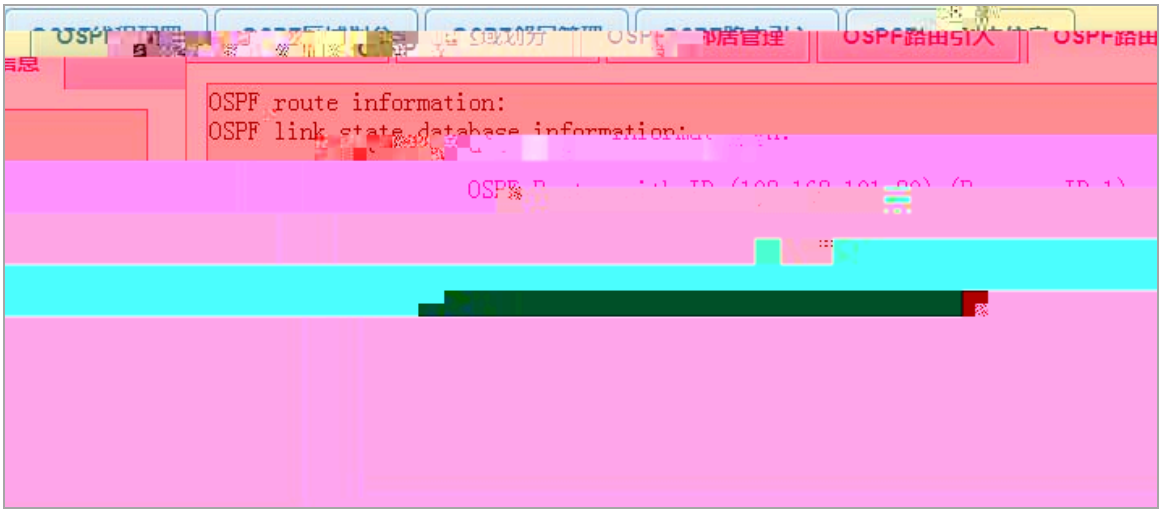



## OSPF

OSPF : OSPF RIP OSPF

**OSPF**

1-63




## 1.3.6

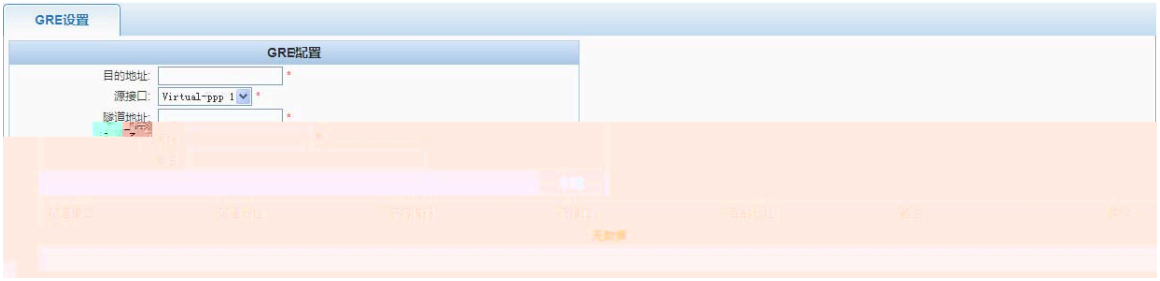
VPN “Virtual Private Network” “ ”

VPN

### 1.3.6.1 VPDN

VPDN VPDN VPDN L2TP

1-64



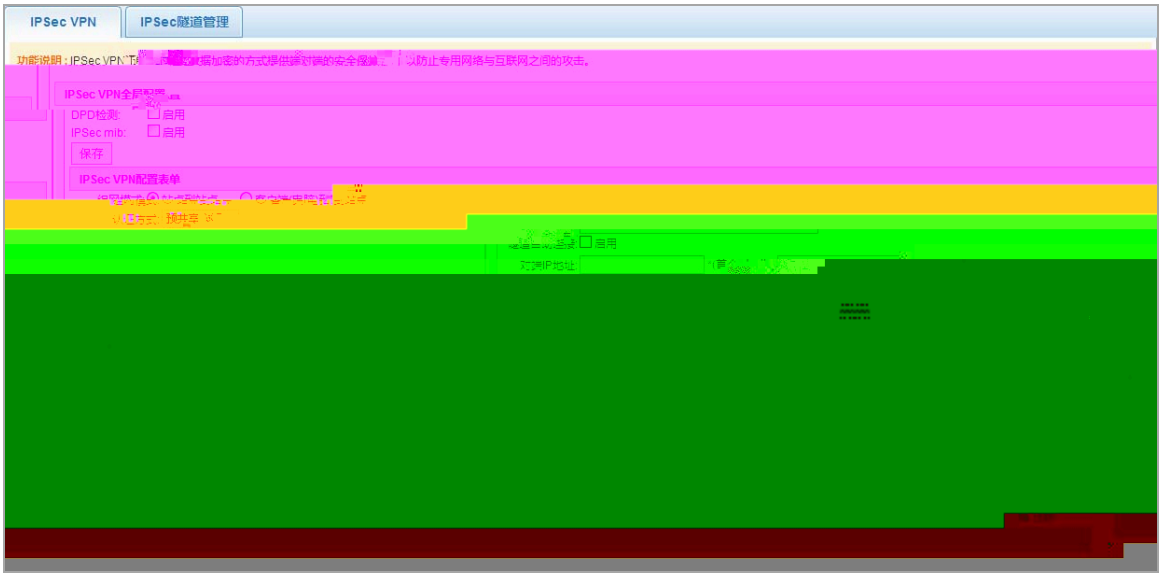

### 1.3.6.3 IPSec VPN

VPN Internet Internet

IPSec

IPSec

1-67




DPD

“ ”

IPSec

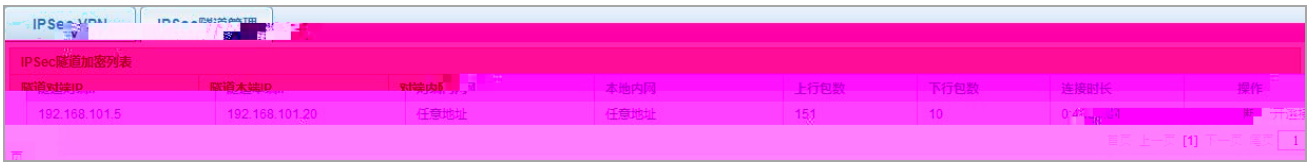
IPSec IP

IKE ژ ل ч ύ є

VPN

IPSec VPN

1-68




IPSec IP IP

## 1.3.7

PKI

CA Certificate Authority

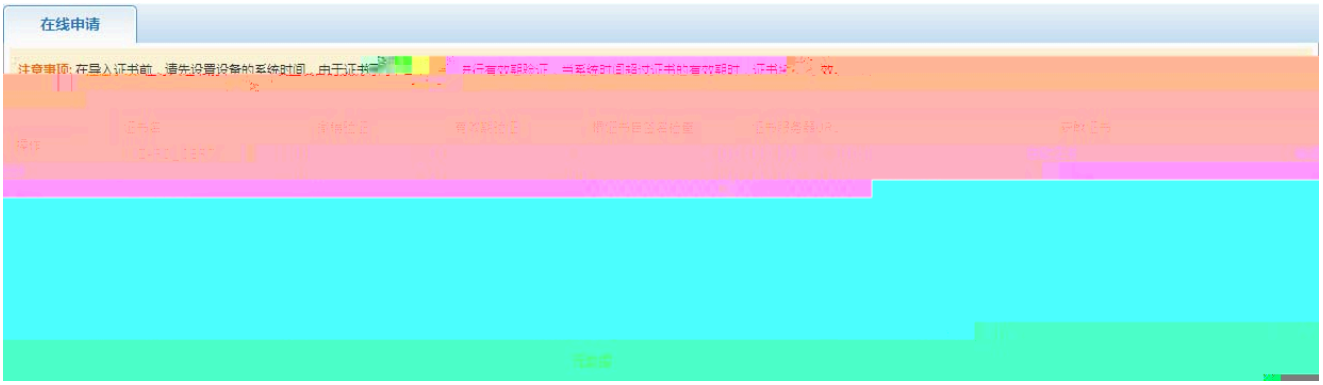
CA

CA

### 1.3.7.1

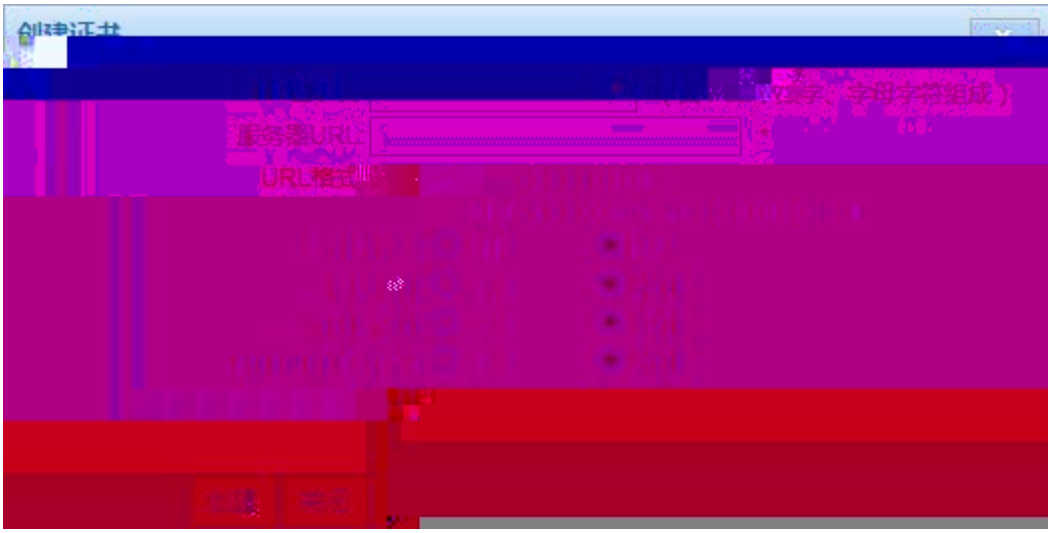
CA Certificate Authority

1-69




“ ”

1-70



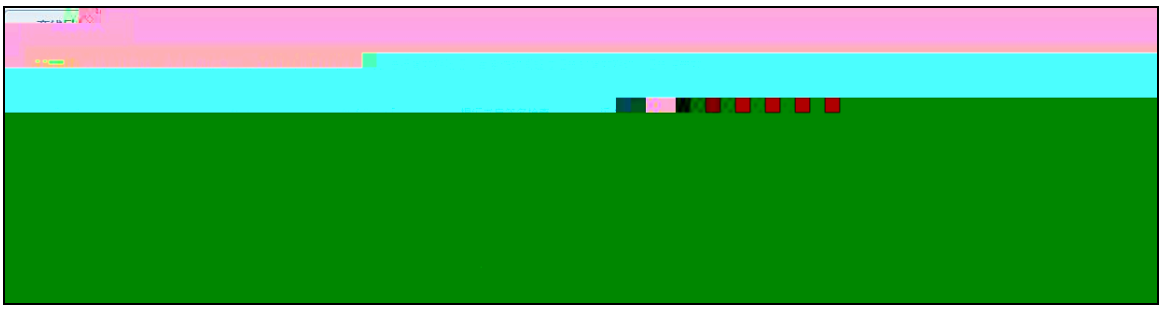
“ ”

1-71

### 1.3.7.2

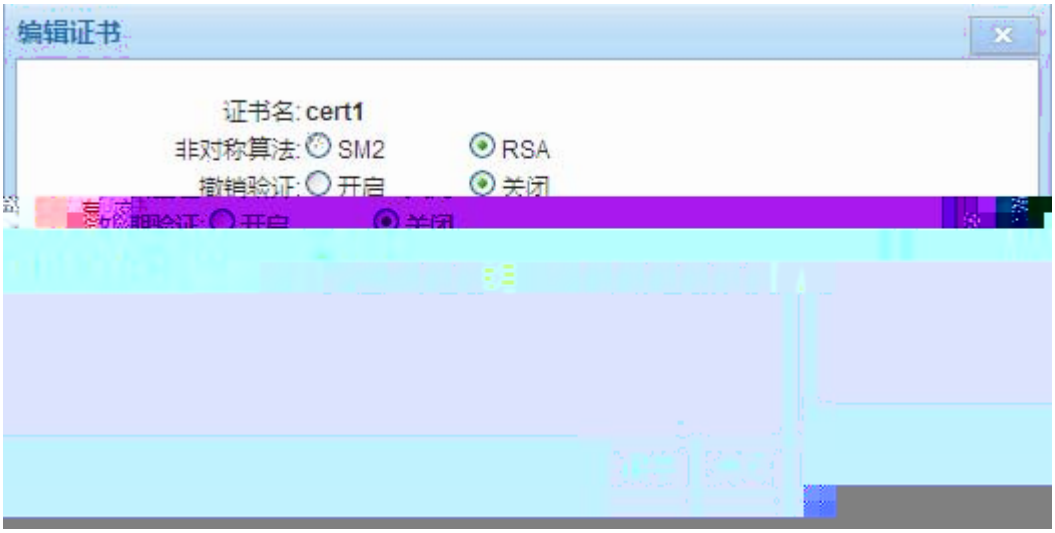
CA Certificate Authority “ *.pfx ”

1-72



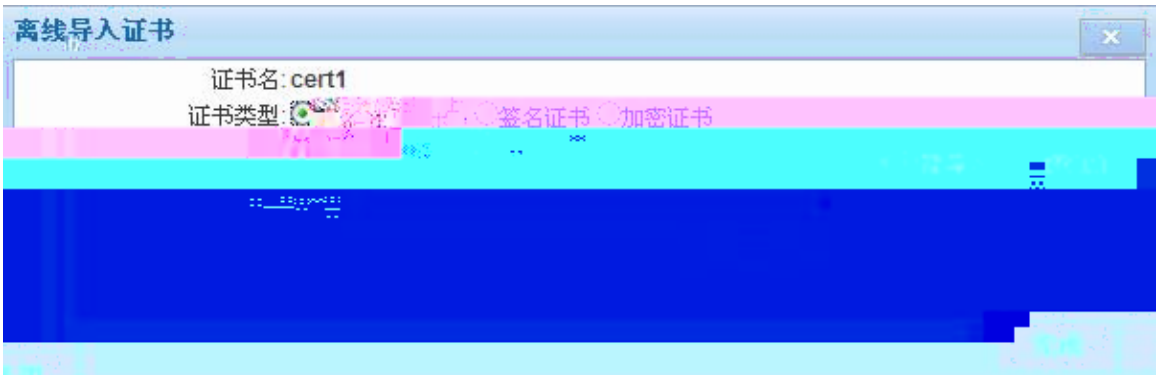
“ ”

1-73

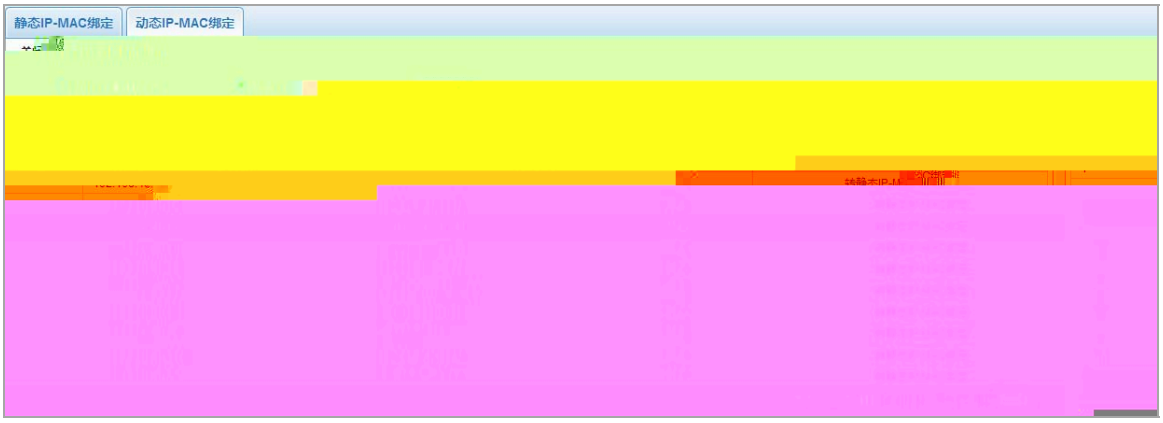

编辑证书
证书名: cert1
非对称算法: SM2 RSA
撤销验证: 开启 关闭

“ ”

1-74


离线导入证书
证书名: cert1
证书类型: 签名证书 加密证书

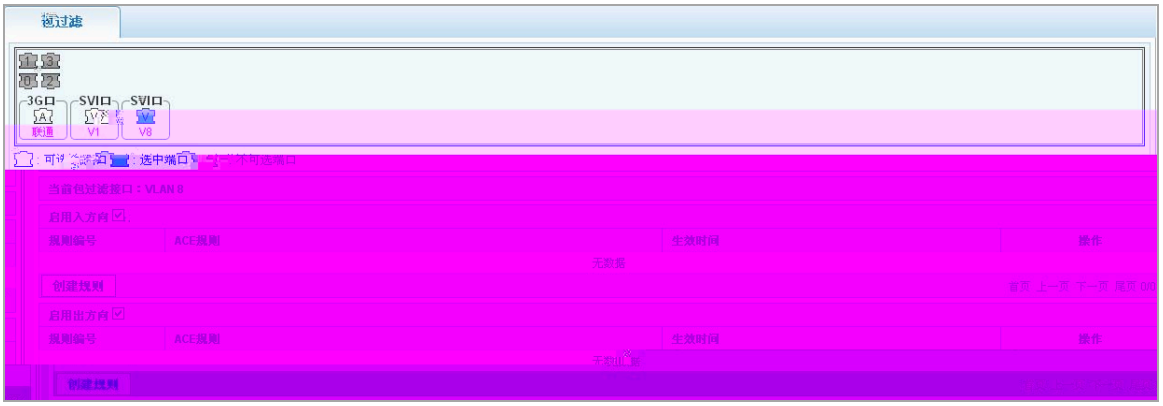
1-75




### 1.3.9.3

IP

1-82




1-2147483647

IP TCP UDP ICMP

18 Dialer Virtual-PPP

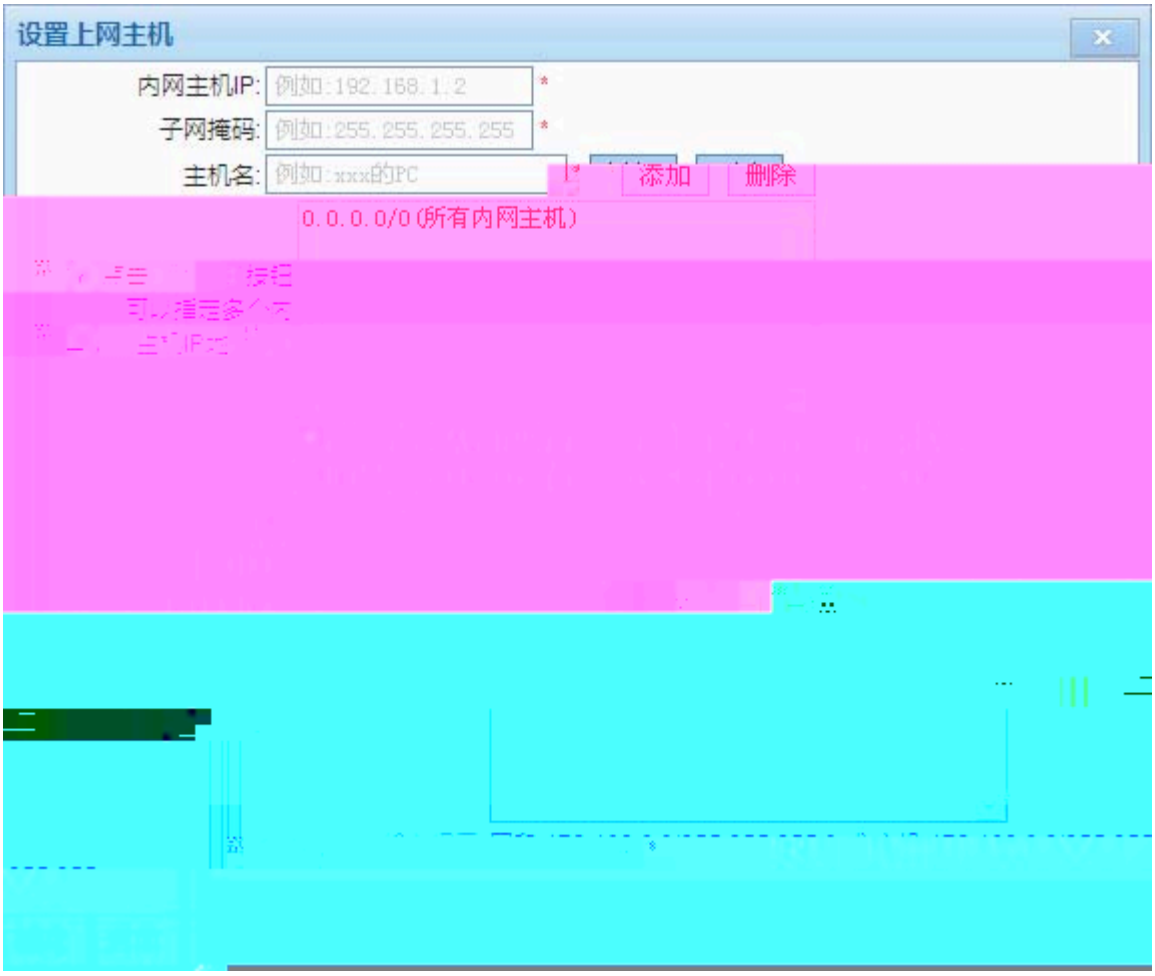
NAT NAT “ Network Address Translation ” “ ” IP Internet IP IP

1-85

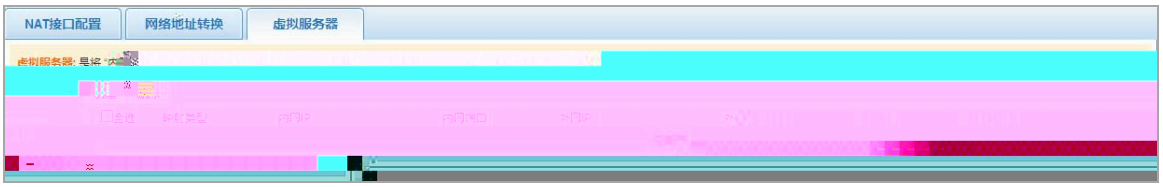
IP IP

“ ”

1-86



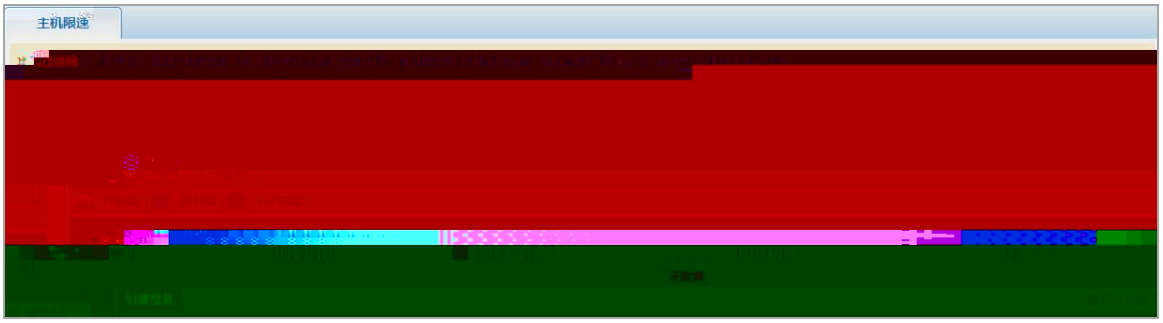

1-87




TCP UDP

IP IP IP

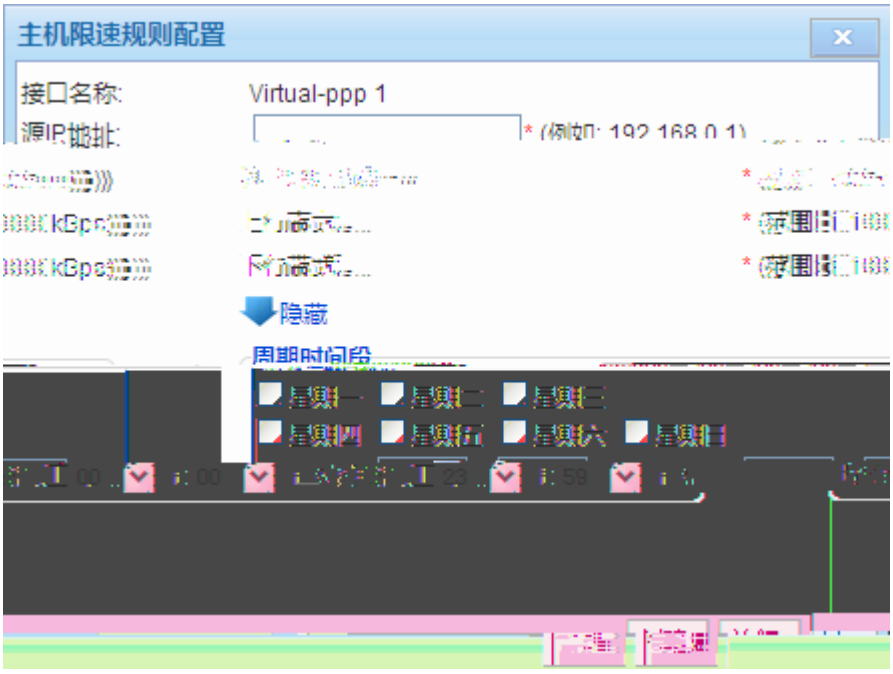
1 65535



IP IP

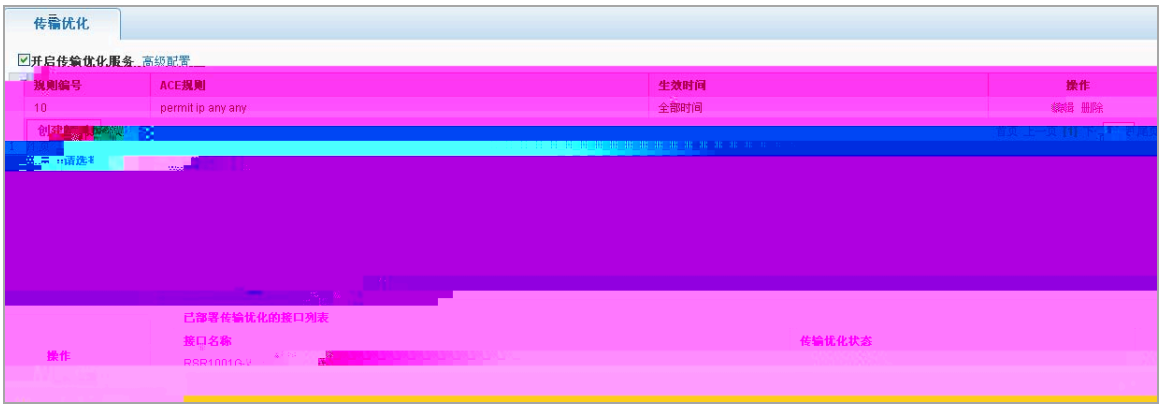
| | | | |
|---|---|---|---|
| | 18 | Dialer | Virtual-PPP |

1-91

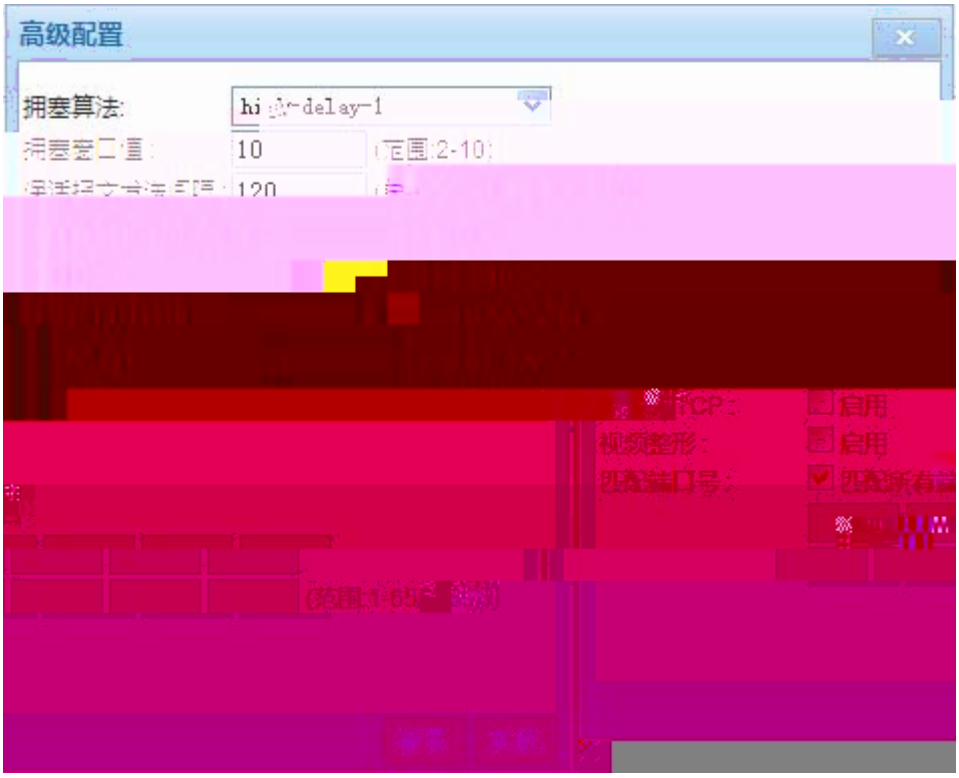



### 1.3.10.2

1-92



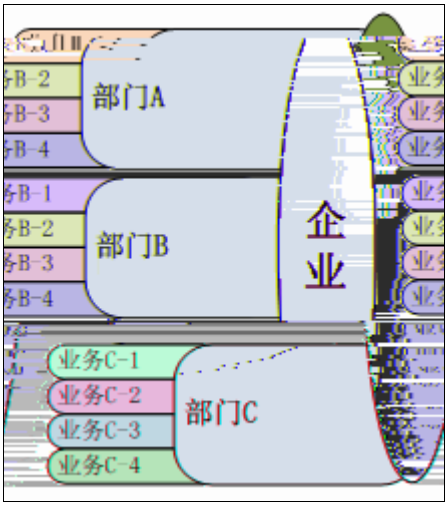

1-93




### 1.3.10.3

HQoS QoS Quality of Service

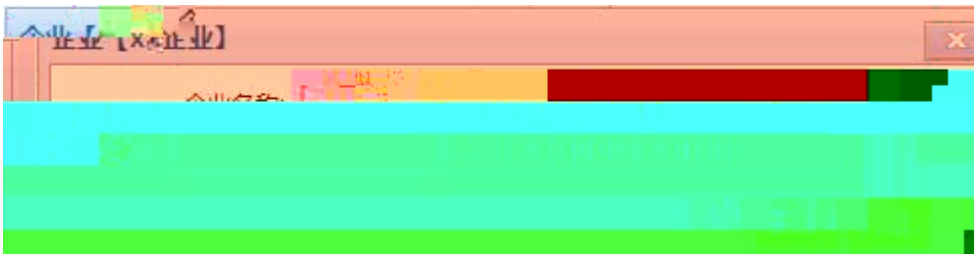
QoS

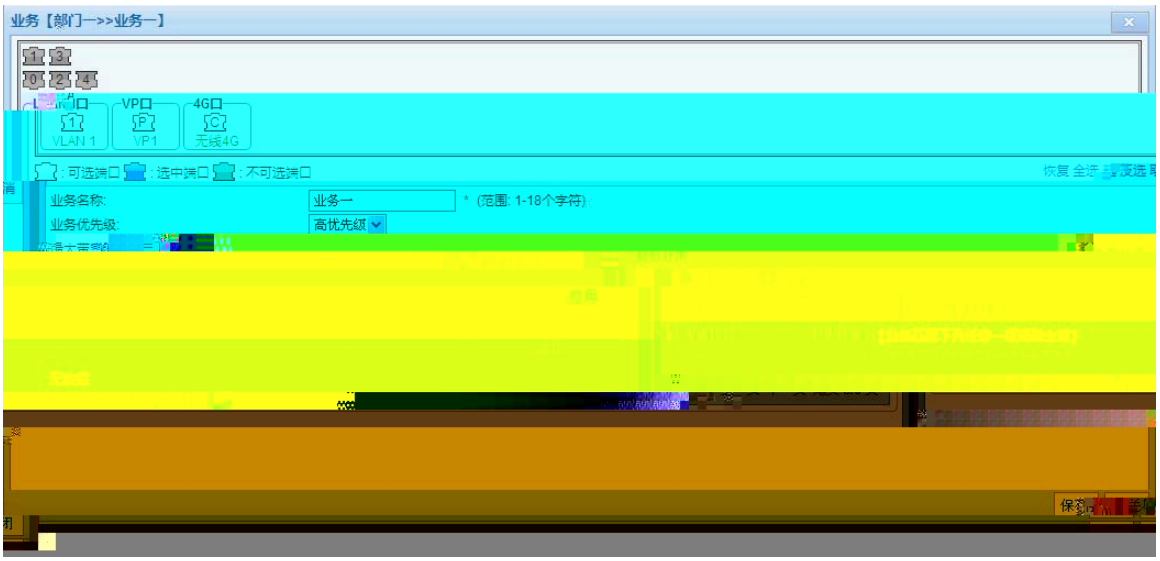



1-96

1)

“ ”





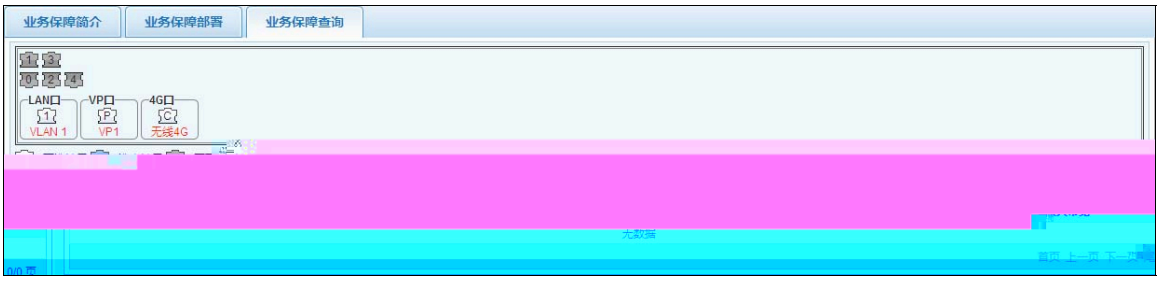

ACL “ ”

18 Dialer Virtual-PPP

1-100

DSCP Differentiated Services Code Point ,IETF 1998 12

1-101

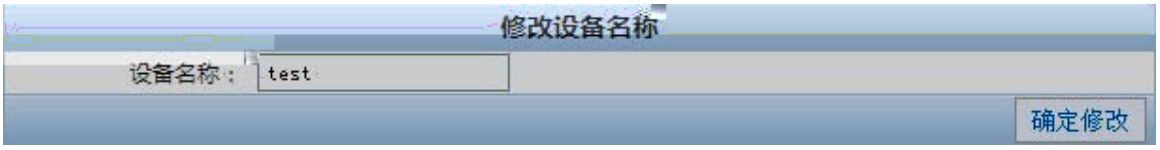



18 Dialer Virtual-PPP

## 1.3.11

### 1.3.11.1

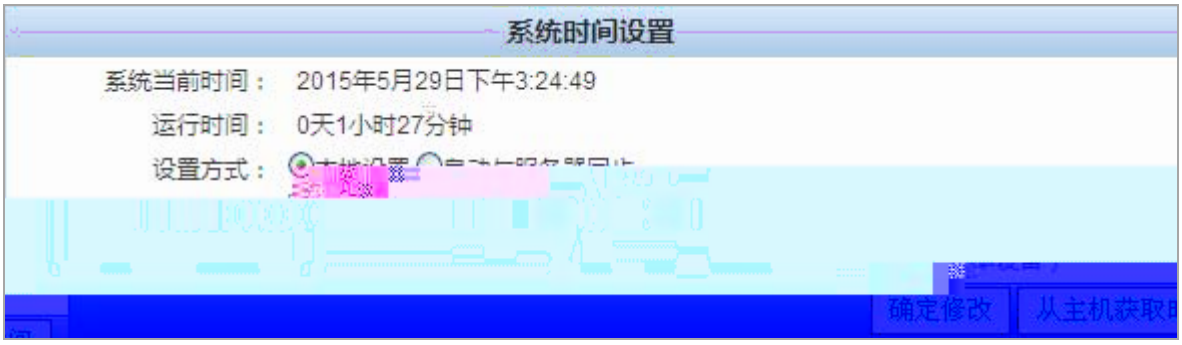
1-102




### 1.3.11.2

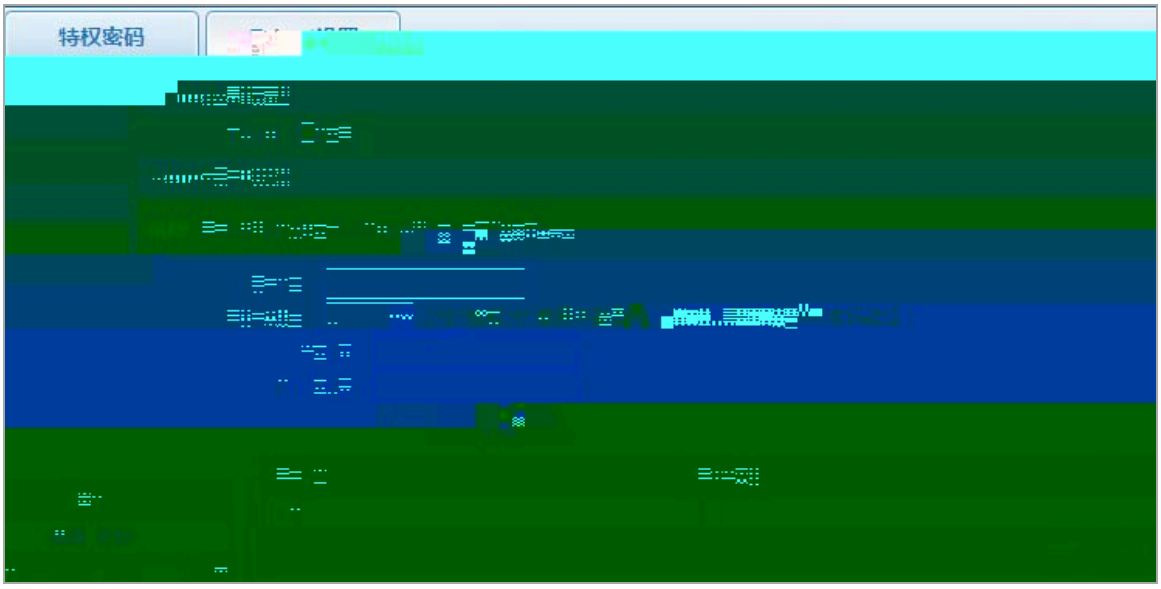
PC

1-103



Telnet Telnet

1-106




Telnet “0” “1” Telnet

### 1.3.11.5

Web

“ ” “ ” “

” 50

Web

1-107

" "

50

“bin” Web “upd”

flash

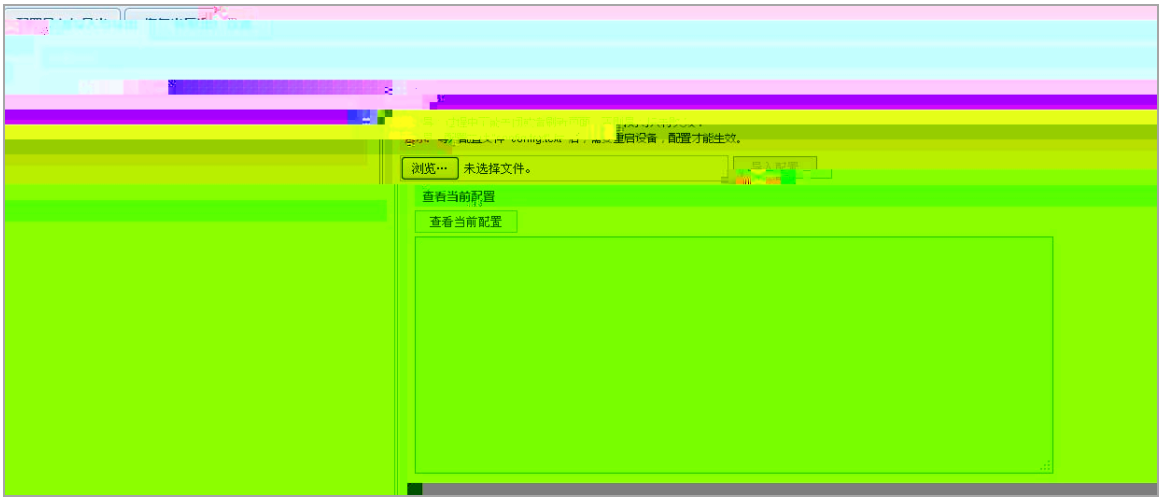
### 1.3.11.6

“ .text ”

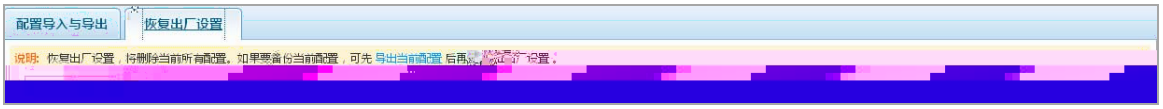
“ config.text ”

config.text

1-108




1-109




### 1.3.11.7

“ ” 2

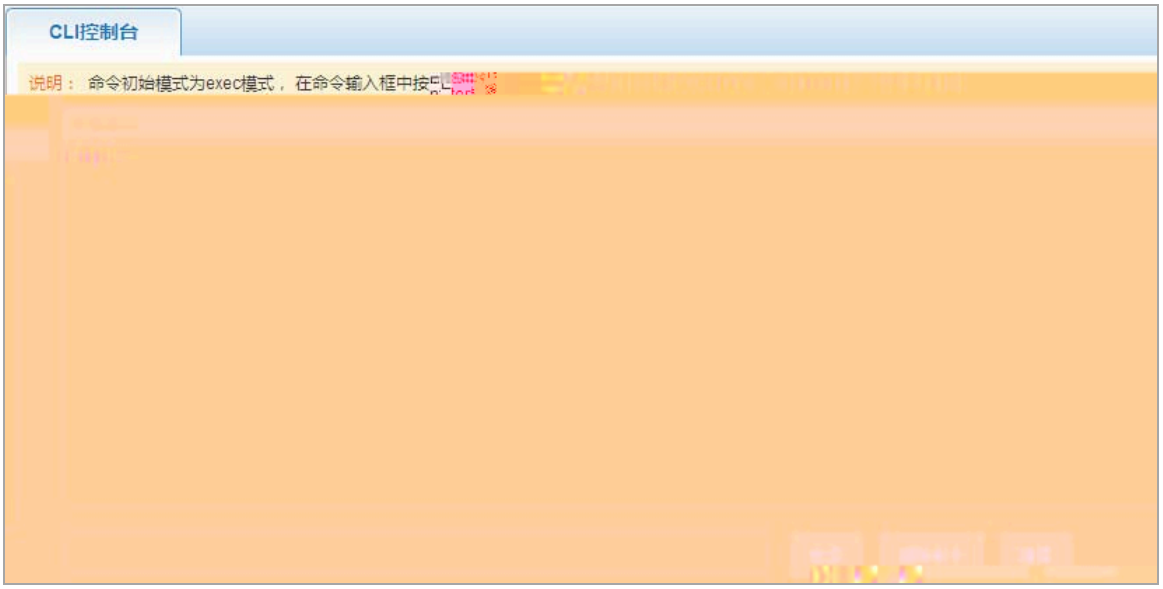
Web Web

1-110

### 1.3.11.8 CLI

Console Telnet

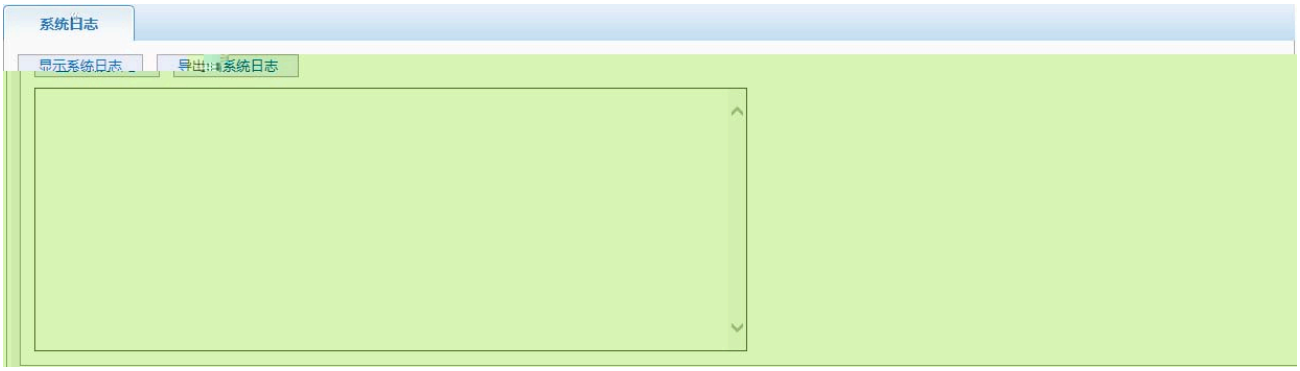
1-111




### 1.3.11.9

IP

1-112




### 1.3.11.10

IP IP

IP

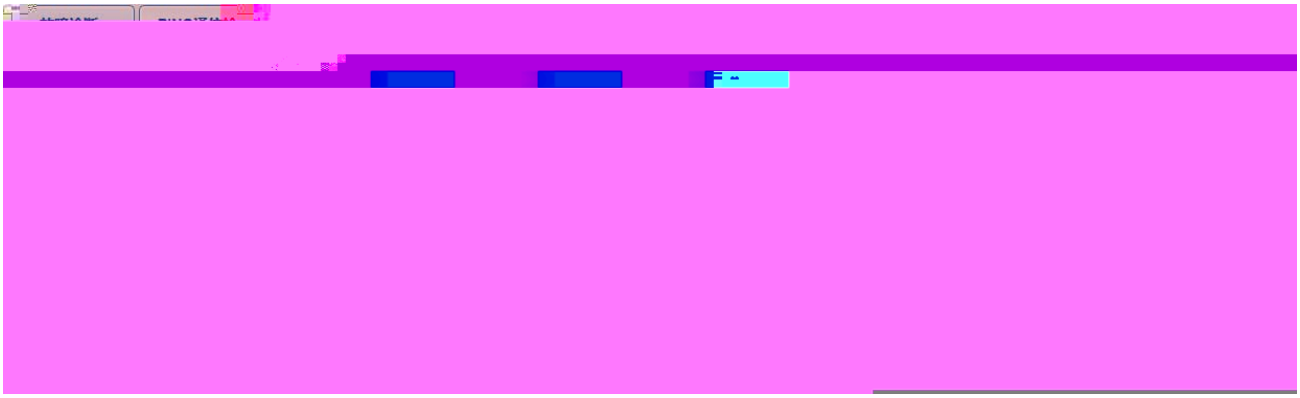
1-113

## Ping

Ping “ !!!!! ” “ ..... ”

“ ” ;“ ”

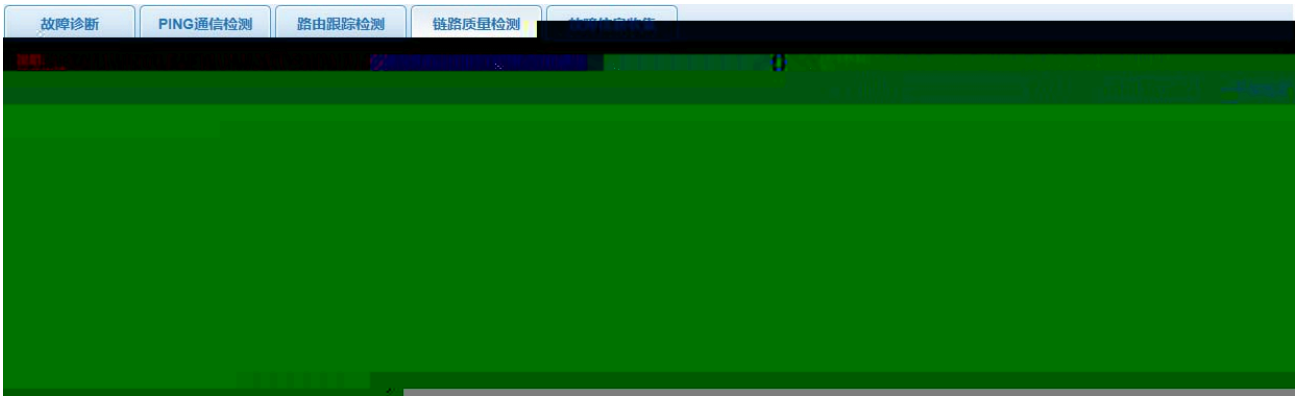
1-114



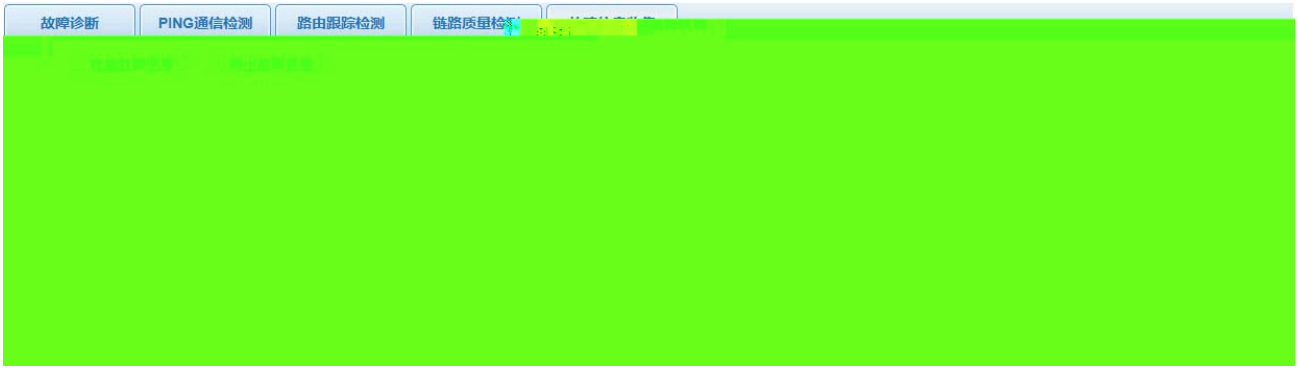
Traceroute

1-115

1-116




1-117




### 1.3.11.11

1-118

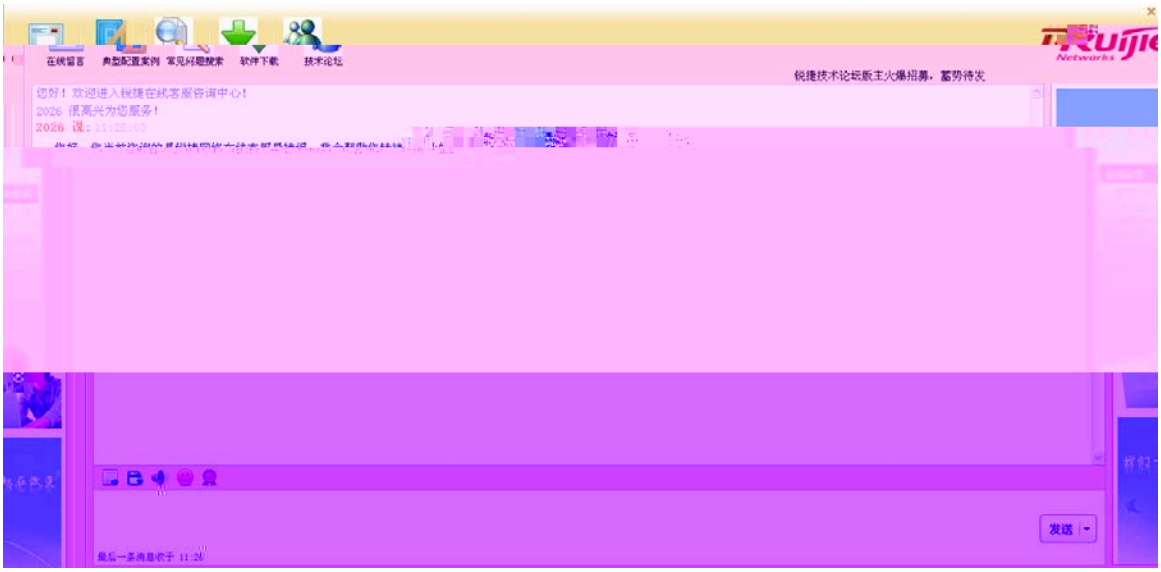
## 1.4

### 1.4.1

“ ” Web “ ”

1-119 Web

1-120



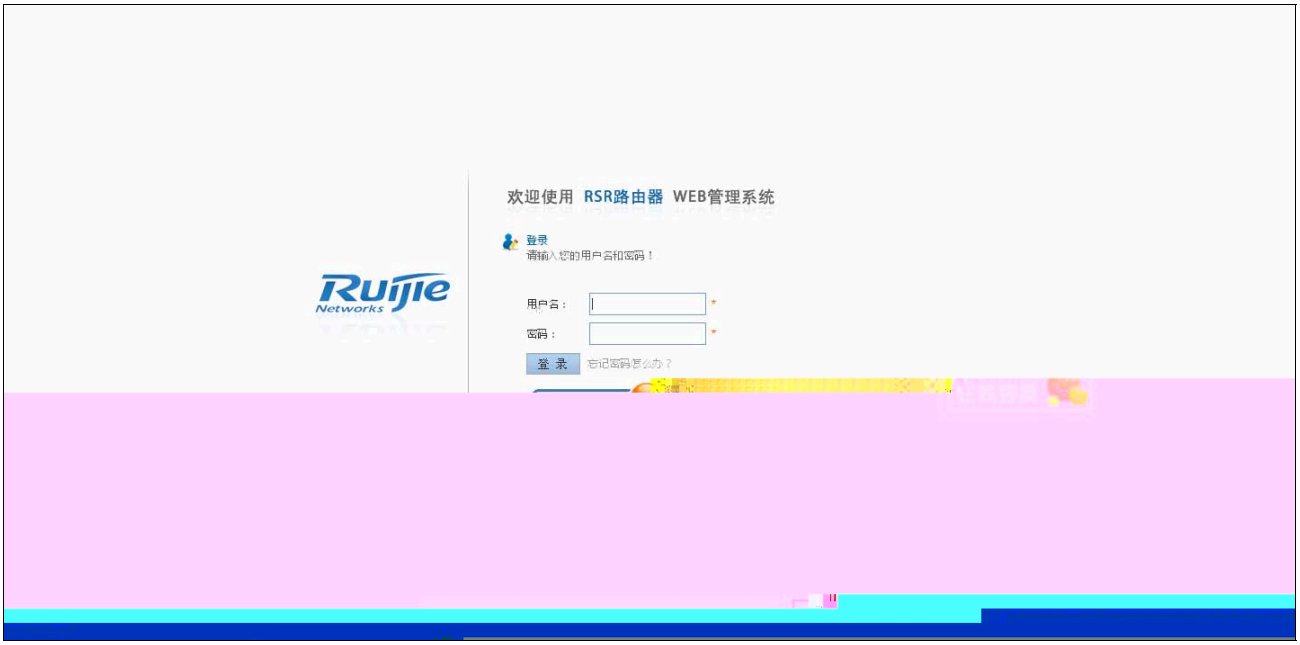

: 8:30-18:00

4008-111-000

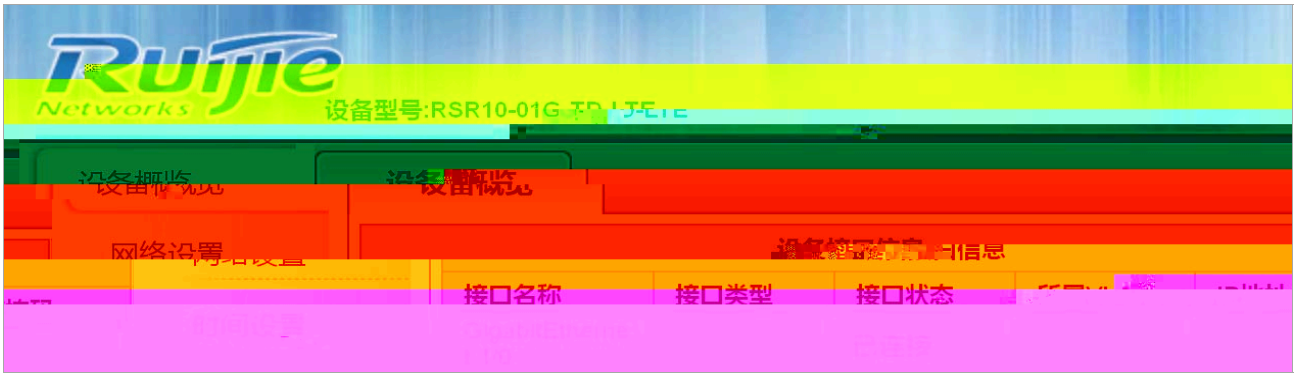
Web Web

## 1.4.2 8CI@

1-121




## 1.5




100%

“ Ctrl (+) ” “ Ctrl (-) ” , “ Ctrl (0) ”

Ctrl (+)

Ctrl (-)

Ctrl (0) 100%

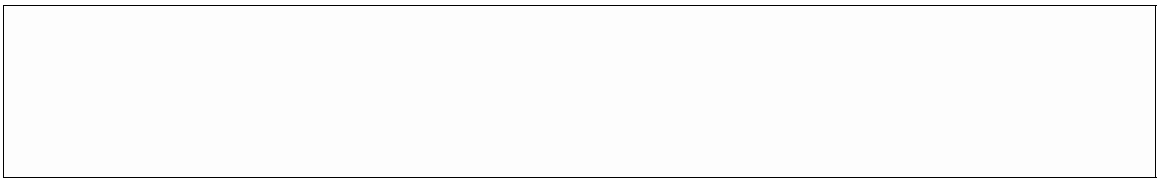
### 1.5.3 Web

Web Web

IE

1-124 IE

1-126



### 1.5.5 Web

Web Web 10
10 Web

10

### 1.5.6

Web
18

PPPoE 4 Dialer

VPN 3-5 Virtual-PPP