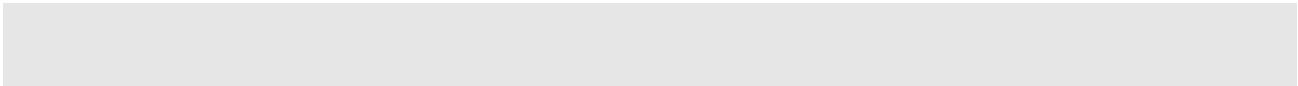
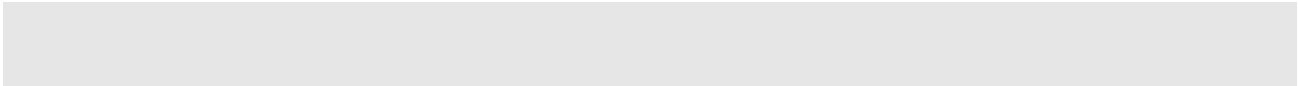


WGP500

©2008





Arial

[] []
{ x | y | ... }
[x | y | ...]
//

1.

~

2.

3.

Enter a

a

“ → ”

→

1+ 2
“ Alt ” “ A ”

Ctrl+Alt+A “ Ctrl ”

1 2

Alt F Alt

F

1.4		5
1.5		5
2		7
2.1		7
2.2		7
3		8
3.1		8
3.2	IE Web	9
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3.5		
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5.4		37
5.5		38
5.6		39
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5.9	AP	42
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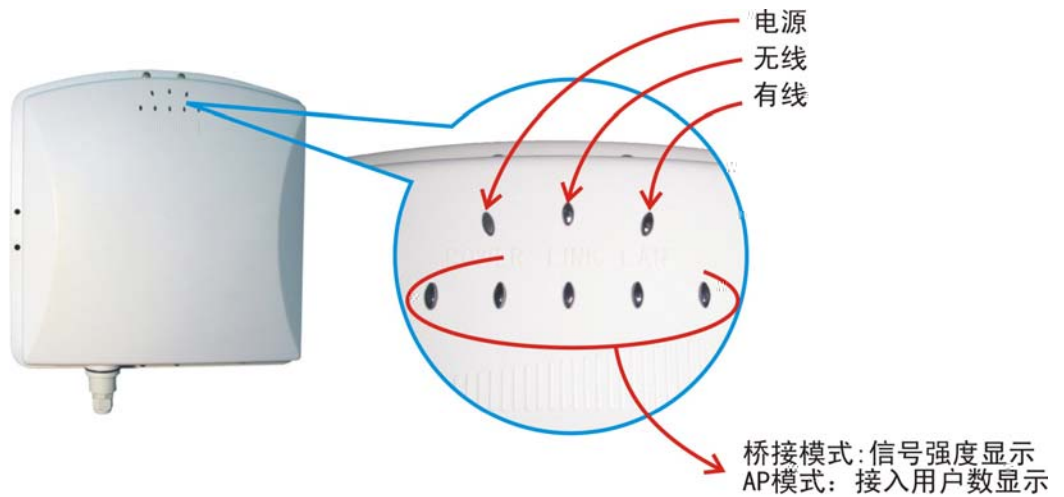
6	FAQ	47
6.1	MAC	47
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7.3	ASCII	54

1

IEEE 802.11g ,
ISP

RG-WGP500 2.4GHz ,
RG-WGP500

1.1



1.2 LED

LED Bridge LED
AP LED STA

LED

	LED
0% <= P <= 10%	
10% < P <= 50%	
50% < P <= 60%	
60% < P <= 80%	
80% < P <= 90%	
90% < P <= 100%	

AP LED

AP STA	LED
0	
1 <= <= 5	
6 <= <= 10	
11 <= <= 15	
16 <= <= 20	
20 STA	

1.3

- 1 RG-WGP500
- 2 RG-WGP500 2
- 3 RG-WGP500

2.4GHz ISM

MAC

WEP64/128/152

802.1X, WPA, WPA-PSK, WPA2, WPA2-PSK

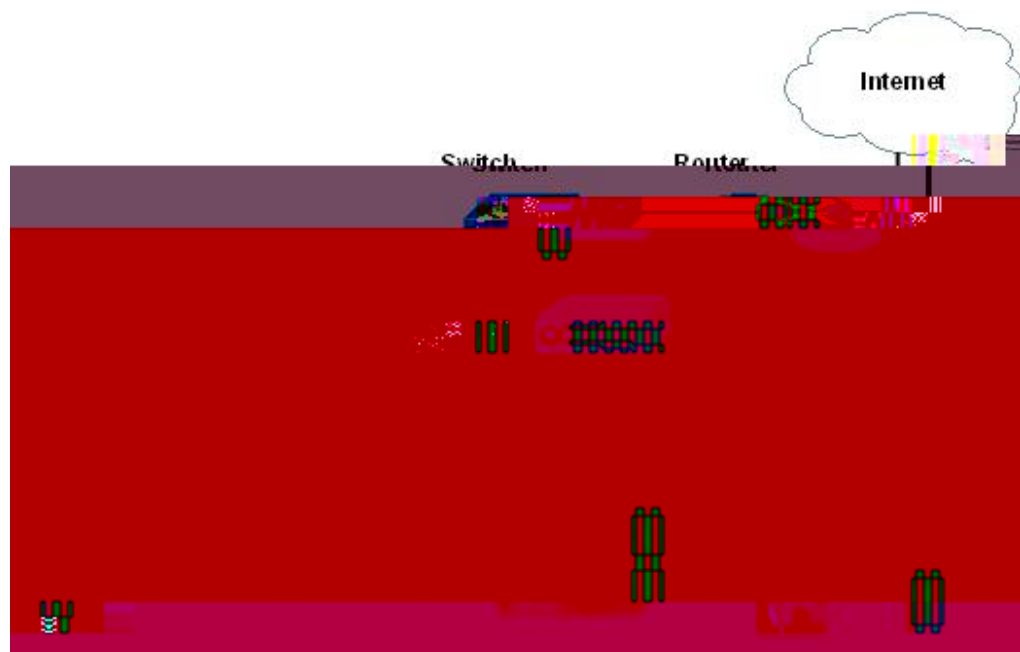
8 VAP(Virtual Access Point) 802.1Q VLAN

Super Regatter

WEB,SNMP, CLI

12V

1.4



1.5

E-mail

3

3.1

	admin
	password
	APxxxxxxx xxxxxx 6 MAC
/	
AP	
IP	IP STATIC IP 192.168.0.228 255.255.255.0 0.0.0.0 / DNS 0.0.0.0
	802.11g
/	13/2.472GHz
	48Mbps
	Full
CTS	
RTS	2346
	2346
	100
DTIM	1



WMM	
SSID	Wireless
802.1Q VLAN	Disable
NTPD	
VoIP	
SNMP	SNMP Trap Server 192.168.0.254 Read Community public Write Community private

3.2 IE Web

Web

IE6.0



IP	IP	£
----	----	---

2. “ ”

User Name:	admin
Password:	*****
Language:	
Login Cancel	

3. Username

基本信息

接入点信息

接入点名称	AP8e7d1b
MAC地址	00:60:B3:8E:7D:1B
无线卡片名称	XG-622H
国家/区域	中国
软件版本号	4.0.9_b500 (Jul 25 2007)
Bootloader版本	1.9(c) 2006/10/25
虚拟局域网	关闭
管理 VLAN ID	

当前IP设定

IP类型	STATIC
IP地址	192.168.0.229
子网掩码	255.255.255.0
默认网关	0.0.0.0

当前无线设定

操作模式	桥接（多点）
信道/频率	1 / 2.412GHz

安全配置文件

态	No.	配置文件名称	SSID	安全	VLAN	状
开	1	Profile1	Wireless	开放系统		打

3.3

“ ”



基本设置

接入点名称

AP32f2b9

国家区域

中国

有线端速率

自适应

☐ 启用 NAT

☒ 网桥

STATIC

☐ 路由器

☐ 启用 AnyIP

生成树协议

☒ 打开 ☐ 关闭

192.168.0.228

IP地址

255.255.255.0

子网掩码

0.0.0.0

默认网关

0.0.0.0

主DNS服务器

0.0.0.0

从DNS服务器

取消

应用

确定

帮助

复制

清除

NetBIOS 15 0-9 A-Z

a-z - WINS “ ap030201 ” Enter WEB ap030201

IP IE ping “ ap030201 ” Enter WEB Ping ap030201

Š APxxxxxx Œ xxxxxx MAC 6 Œ

£ WINS æ TCP/IP

IP æ Š IP Š 192.168.0.228 æ IP

192.168.0.X £

/ 2.4GHz

/ 2.4GHz

/	(802.11g and 11b)
	1-13
	1-13



	1-13
	1-13
	1-13
	1-13
	1-13



DHCP Client
DNS

DHCP Server
DNS

IP

“

”

“

”

“

”



RTS

CTS

RTS

AP

AP

AP

AP

256-2346

MAC

RTS

ø

RTS

0

ø RTS/CTS

£

20

1000

DTIM

1

255

AP

STA

STA

STA

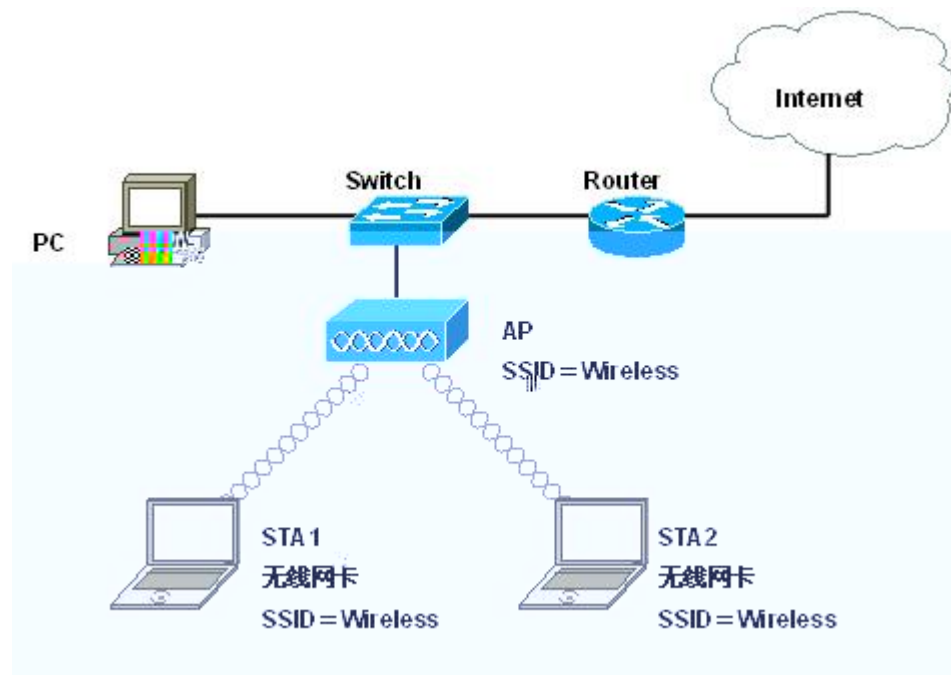
AP

AP

Super G Super

5M

STA



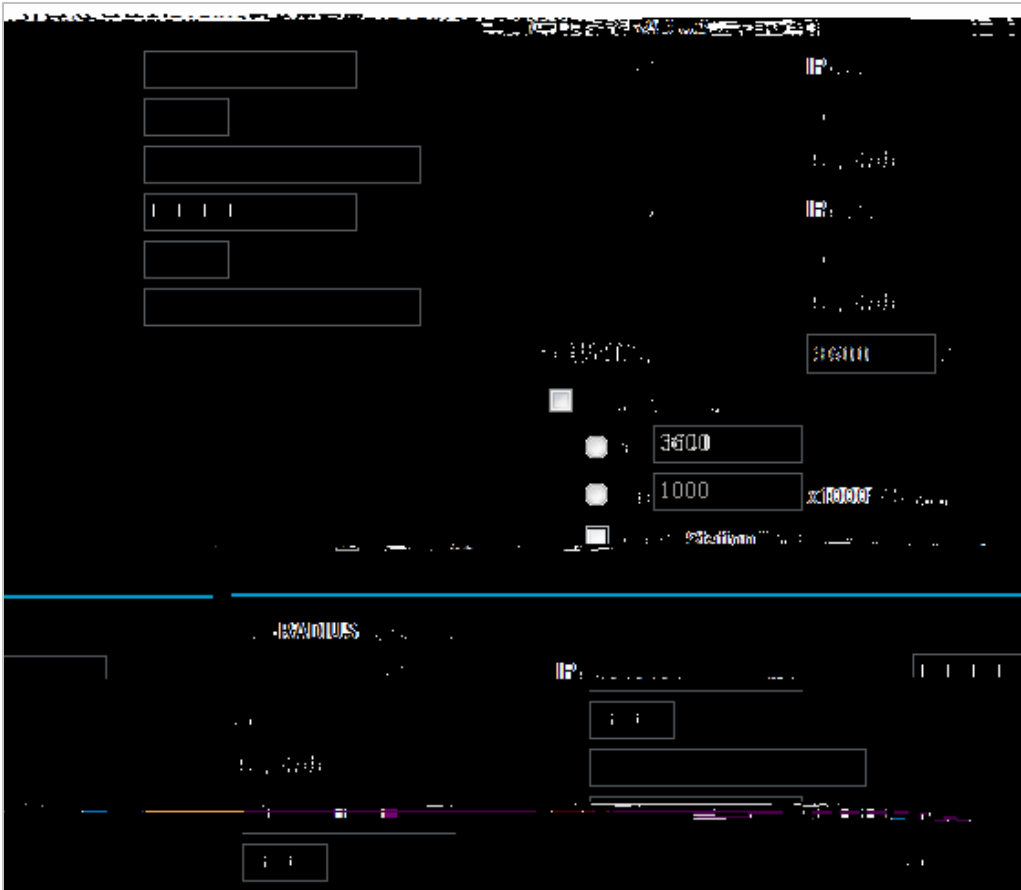
STA1 STA2 SSID AP PC Internet

1. AP 801.11b
2. “ ” Profile1~9 802.1Q VLAN
3. Profile ESSID, Security
802.1X WPA Radius
4. STA AP

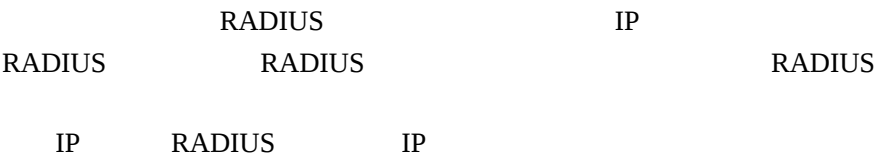
4

4.1 RADIUS

RADIUS



/ RADIUS



RADIUS

AP RADIUS

31

STA

STA

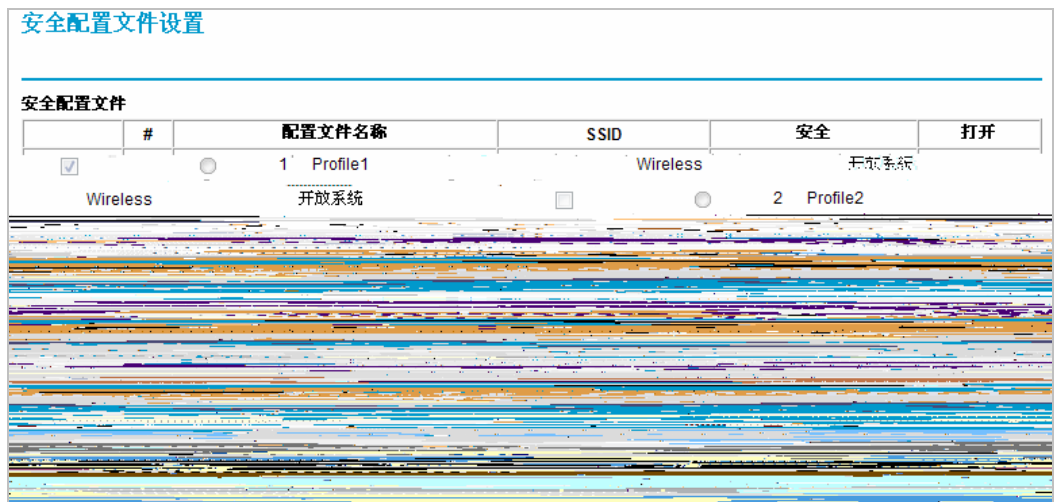
RADIUS

RADIUS RADIUS IP RADIUS
IP RADIUS IP
: RADIUS
AP RADIUS

31

4.2 VAP 配置 AP 配置

VAP 8 VLAN ESSID AP ESSID 8 AP



Profile



IEEE 802.1x

802.1x, RADIUS Server ,
EAP 802.1x WEP

WPA with Radius, WPA2 with Radius, WPA & WPA2 with Radius
RADIUS

WPA-PSK, WPA2-PSK, WPA-PSK & WPA2-PSK WPA WLAN (AP
WPA)

64 bits 10

128 bits 26

152 bits 32

TKIP WPA with Radius WPA-PSK

AES WPA 2with Radius WPA2-PSK

TKIP+AES WPA & WPA2 with Radius WPA-PSK&WPA2-PSK

Passphrase “ ”

4.3 Bridge

Bridge

TKIP

AES

WEP, TKIP, AES

WDS

安全配置文件 9 配置

网络认证方式：

开放系统

数据加密方式：

64位WEP

Passphrase：

产生密钥

密钥 1：

C6774663DD

密钥 2：

AF6BD13ECD

密钥 3：

8E33FB2BF1

密钥 4：

CF12611E1D

对等模式认证者角色

否

是

WDS

4.4 802.1Q VLAN

AP

802.1Q VLAN



☐ 启用 802.1Q VLAN

管理 VLAN ID:

安全配置文件VLAN ID

Profile1 VLAN ID:

Profile2 VLAN ID:

Profile3 VLAN ID:

Profile4 VLAN ID:

Profile5 VLAN ID:

Profile6 VLAN ID:

Profile7 VLAN ID:

Profile8 VLAN ID:

0

VLAN ID	VLAN ID	AP
VLAN ID		
	VLAN ID	
	SSID	
		VLAN ID ID 1 ~
4094	ID	

配置AP作为

网桥

STATIC

路由器

启用 AnyIP

启用 NAT

广域网端口

有线端

STATIC

IP地址

192.168.0.228

子网掩码

255.255.255.0

默认网关

0.0.0.0

主DNS服务器

0.0.0.0

从DNS服务器

0.0.0.0

无线端

STATIC

IP地址

192.168.1.228

子网掩码

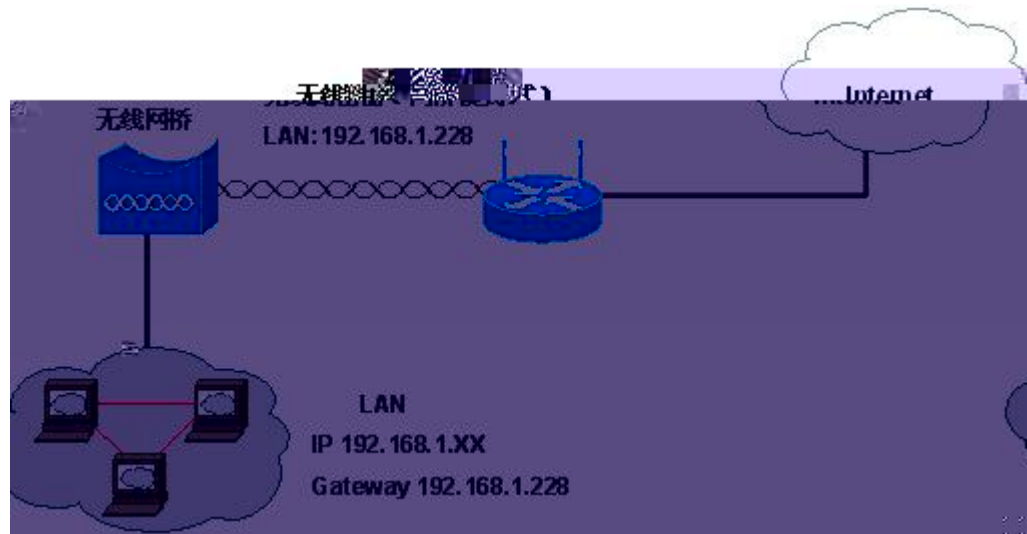
255.255.255.0

默认网关

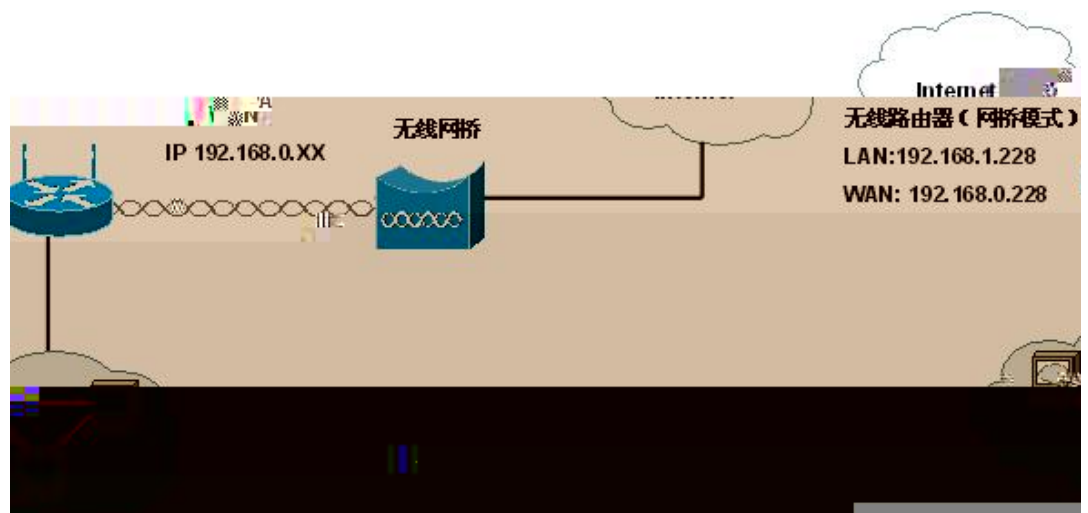
0.0.0.0

IP WAN IP LAN IP

ŏ Ő Ŕ Ő



ŏ ŏ Ő Ő Ő



ŏ AP ŏ Ő Ő Ő

“ AP ”
WAN

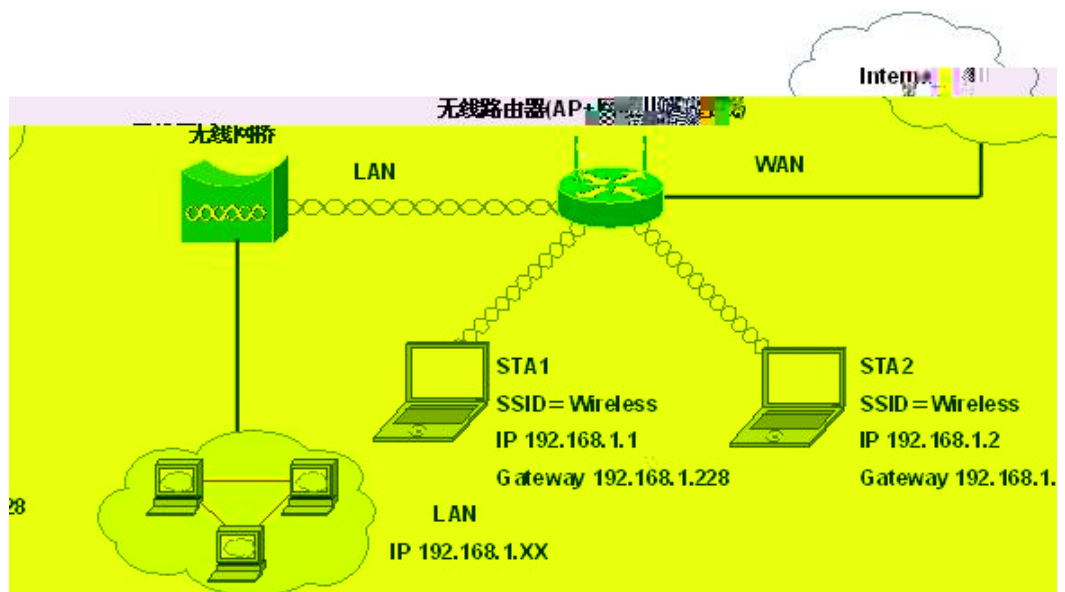
LAN



AP+ —

“ AP+ ”
WAN

LAN



AnyIP

LAN

IP



AP 108Mbps
108Mbps

108Mbps

	108Mbps	108Mbps
--	---------	---------



4.10 Smart WDS

Smart WDS ID	WDS MAC
“ WDS ”	“ Smart WDS ”
WDS ID	ID 32
ID	Bridge123
Smart WDS	“ ” “ ”

WDS设定

操作模式

桥接（多点）

无线端隔离

☐ 是 ☒ 否

☒ 无线点对多点桥接

MAC地址/下行流量

删除

☐ 启用 Smart WDS

WDS组ID

AP MAC

手工添加点对多点MAC地址/下行流量

MAC地址/下行流量

下行流量

x64Kbps

添加

8	Smart WDS	ID
	9	10
ID	ID	ID
11		
9	2	

Smart WDS	£
-----------	---



4.11

IP

WDS设置

操作模式

桥接（多点）

无线端隔离

☐ 是
 ☒ 否

☒ 无线点对多点桥接

MAC地址/下行流量

删除

☐ 启用 Smart WDS

WDS组ID

AP MAC

下行流量

x64Kbps

添加

手工添加点对多点MAC地址/

MAC地址/下行流量

192.168.0.227 IP AP1

/

3. ping

PC1 ping 192.168.0.2 PC2 192.168.0.227 AP1 192.168.0.228 AP2

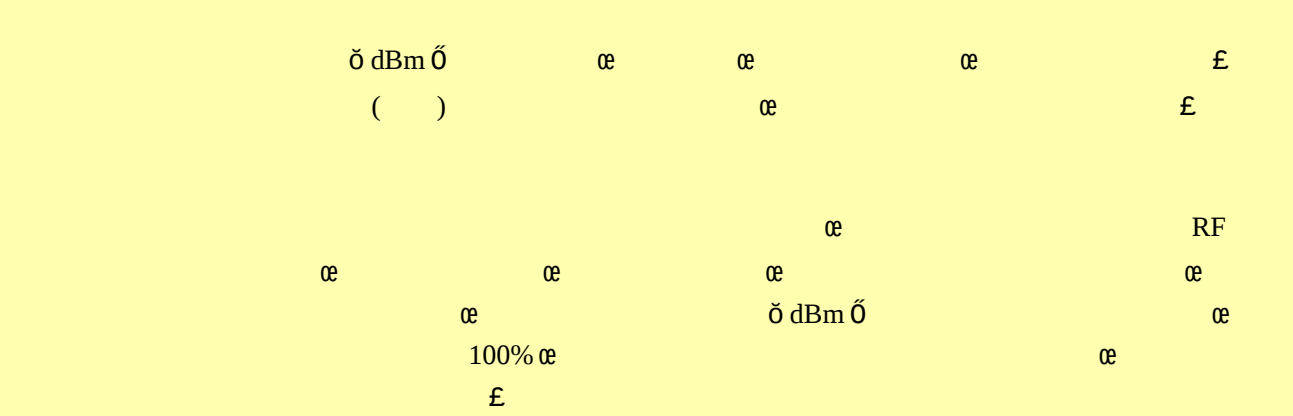
4. /

PC1 PC2

5. “ ”

6. “ ” 10000m “

RF



7.



无线STA列表

STA ID	MAC地址	IP地址	RSSI(dBm)	状态	输出数据包	输入包	输出字节	输入字节
1	00:16:6F:06:B7:AE		-67	Associated	2	1	84	342

刷新

更改密码

当前密码

新密码

重输新密码

恢复默认密码

☐ 是

☒ 否

确定

取消

password

19

“

”

password

5.5

WEB

更新软件

浏览查找软件文件:

浏览...

上载

```
C:\>ftp 192.168.0.228
Connected to 192.168.0.228.
220 (vsFTPd 1.1.3)
User (192.168.0.228:(none)): admin
331 Please specify the password.
Password:
230 Using binary mode to transfer files. Login successful. Have fun.
ftp> put RG-WGP500.rmt
200 PORT command successful. Consider using PASV.
150 Ok to send data.
226 File receive OK.
ftp: 3973128 bytes sent in 0.55Seconds 7263.49Kbytes/sec.
ftp> quit
221 Goodbye.
```

3.

RG-WGP500.rmt	œ	œ	œ
œ	œ	œ	œ

5.6

Web

备份 / 恢复设定

当前设设备备份到一个文件

备份

从文件中恢复备份设定

文件:

浏览...

恢复

恢复出厂默认设定

恢复

1. “ / ” “ ”
C:\RG-WGP500.cfg
RG-WGP500.cfg
2. “ / ” “ ”
C:\RG-WGP500.cfg “ ”

FTP

1. ftp 192.168.0.228 admin password
2. “ get RG-WGP500.cfg ”
C:\RG-WGP500.cfg

```
C:\>ftp 192.168.0.228
Connected to 192.168.0.228.
220 (vsFTPD 1.1.3)
User (192.168.0.228:(none)): admin
331 Please specify the password.
Password:
230 Using binary mode to transfer files. Login successful. Have fun.
ftp> get RG-WGP500.cfg
200 PORT command successful. Consider using PASV.
150 Ok to send data.
226 File receive OK.
ftp: 3973128 bytes sent in 0.55Seconds 7263.49Kbytes/sec.
ftp> quit
221 Goodbye.
```


重启AP

重启AP: ☐ 是 ☒ 否

确定 取消

5.9

AP

SNMP

SSH

PPTP

远程管理设置

SNMP

☒ 打开 ☐ 关闭

Trap Receiver IP

Trap Receiver Port

Trap Community

White Community

确定 取消

PPTP

用户名

密码

连接 断开 刷新

Read Community

Write Community

“ ”

2. FTP MIB file

ftp 192.168.0.228 admin password

“ get RG-WGP500.mib ”

RG-WGP500.mib

```
C:\>ftp 192.168.0.228
Connected to 192.168.0.228.
220 (vsFTPD 1.1.3)
User (192.168.0.228:(none)): admin
331 Please specify the password.
Password:
230 Using binary mode to transfer files. Login successful. Have fun.
ftp> get RG-WGP500.mib
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for /mnt/ramd/RG-WGP500.mib (35518
bytes).
226 File send OK.
ftp: 35518 bytes received in 0.03Seconds 1183.93Kbytes/sec.
ftp> quit
221 Goodbye.
```

RG-WGP500.mib

œ

T

SSH AP

CLI

SSH

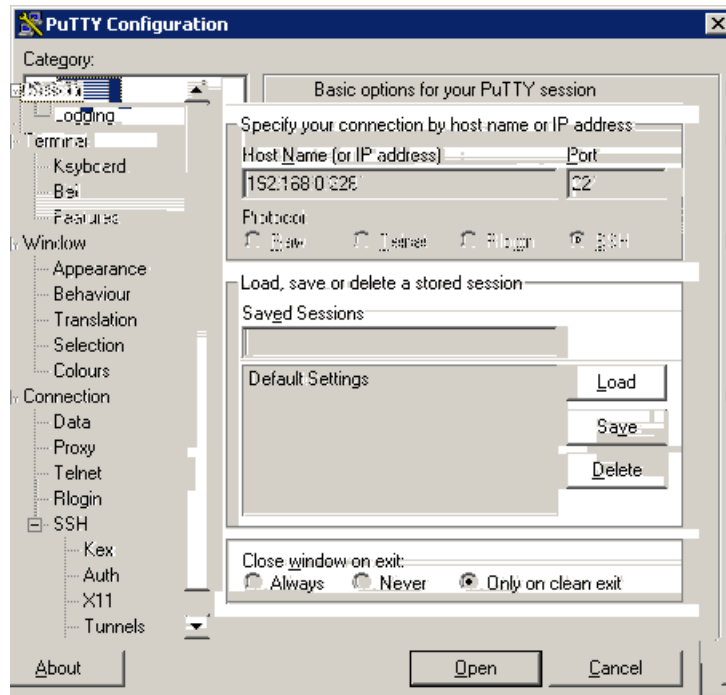
Putty

1. Putty

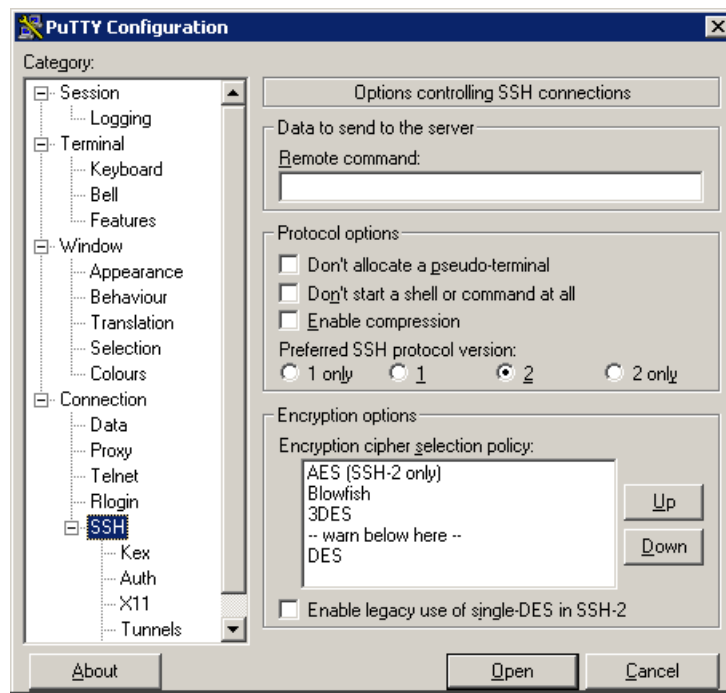


putty.exe

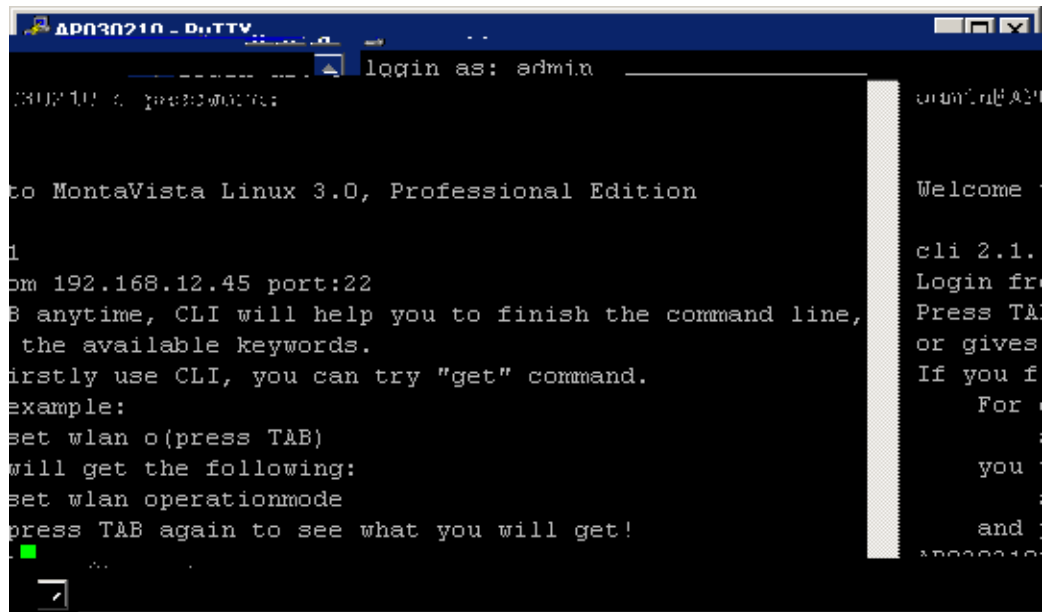
2. IP , Protocol SSH.



3. "SSH" Encryption cipher selection policy ,
"3DES"



4. Open



/ admin/password

5. " help "

PPTP AP

PPTP PPTP SERVER VPN
Win2000server/Win2003Server SERVER

1. SERVER

" MS-CHAPV2 "

IP " IP " IP

2. PPTP PPTP

3. VPN " "

4. PPTP IP

5. PPTP

6 FAQ

6.1 MAC

MAC

MAC

Web

MAC

6.2 STA AP?

STA
AP

AP

STA

STA
AP

AP
AP

AP

STA

STA

STA
STA

AP

2.4G

STA AP
AP

STA

802.11

6.3 ?



	Ō

7.2

802.11g	IEEE802.11g ISM 2.4GHz 54Mbps OFDM 11a 54Mbps 11b
Access Point	Access Point AP PC AP
Infrastructure	Access Point
ESS	infrastructure BSS Extended Service Set (ESS) ESS roaming BSSs AP ESSID channel roaming
WEP	“Wired Equivalent Protection ” WEP 40bits/128bits encryption IEEE 802.11
Access Control	Access Control table MAC AP
Bridge	OSI
DHCP Client Server	DHCP IP DHCP Client DHCP Server IP
Encryption	WAN
IP Address and Network Mask	IP
LAN&WAN	
MAC Address	MAC 6 IEEE MAC
NetBIOS	

-	2D	E	45	]	5D	u	75
.	2E	F	46	^	5E	v	76
/	2F	G	47	_	5F	w	77
0	30	H	48	`	60	x	78
1	31	I	49	a	61	y	79
2	32	J	4A	b	62	z	7A
3	33	K	4B	c	63	{	7B
4	34	L	4C	d	64		7C
5	35	M	4D	e	65	}	7D
6	36	N	4E	f	66	~	7E
7	37	O	4F	g	67		
8	38	P	50	h	68		