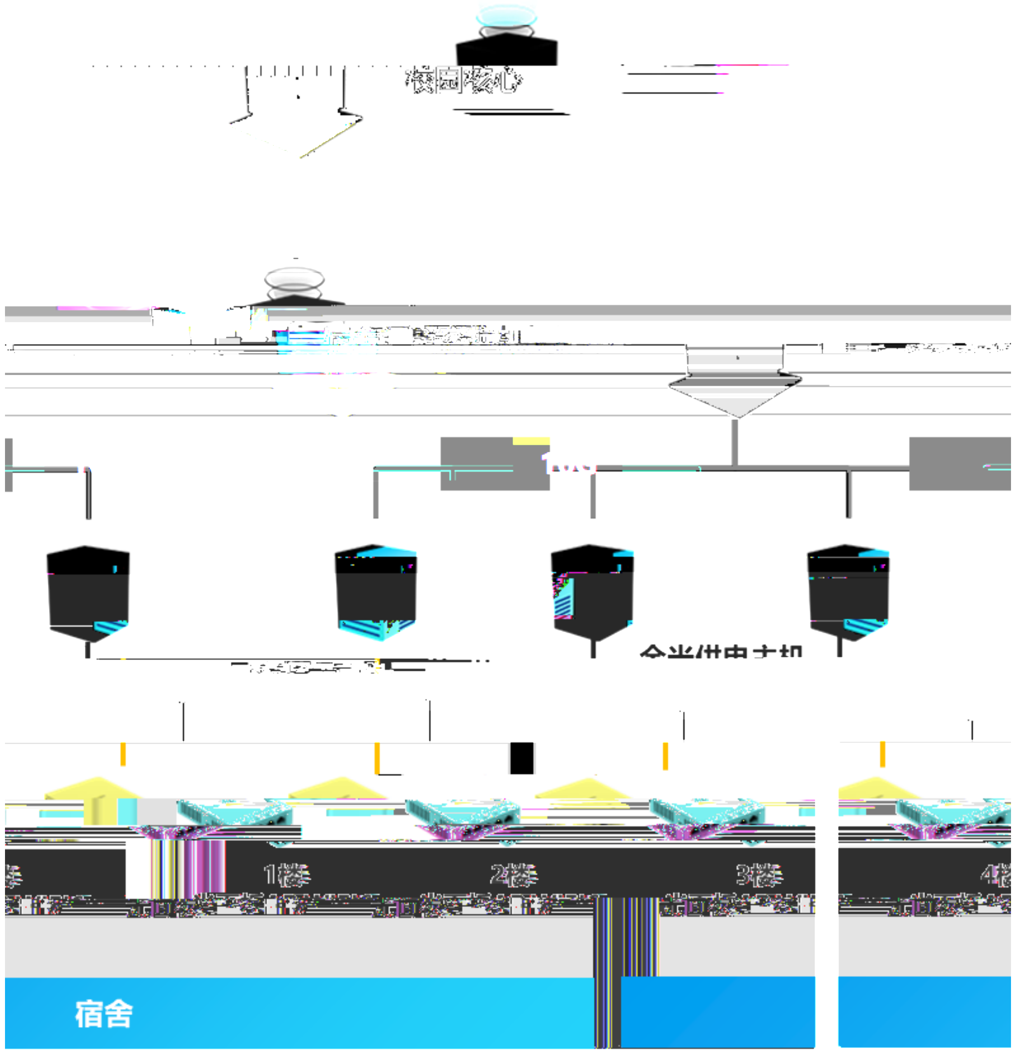
•

- ب ̋ ῃ ⅎ ೩ ж Άἰ ΰ ̃
- ڨΦ ῃ ⅎ ೩ ж Άἰ ⅎ ⅃ ulϦ
- ڨΦẂȡ ڐ ئ ῃ▘

- ǟ Ḷ˜ ɱ- ǟ ấ ꜒ ɛ 4000 ڑ ζ Ȁ ɰ ṇ̀ ˧ ɰ̄ ı ṇ̀ Ằ ɔ ڑ ı ˹ ̏Ω Ά ĕ ɔ Ằ ɔ ڑ Ɱ ڑ è ꝑ ڈ ئ
- ˩ ˧ Ḣ ڑ ڌ ǟ ꝗ ᵅ ı ˧ ˥ ˀ ̏A ĭ ὥ ڈ ڈ ئ ي ^ ɛ ˥ Æ ف ڼ ζ
- Ω̨ Ḣ ı ő ˧ ה ì Ն ˹ ̏Ω ɫ ѫ Ά ڑ ◖ ↨ ˹ ̏Ω ̏Ω q ı Ṁ ˩ ʎ ʌ Ă ı ẽ φ ő ˧ ψ ف ῶ ḫ ɰ ɱ Ѽ ʞ ص ₭
- ɔ ʕ j ڼ ɰ ˻ ⅃ ʞ ʆ ʃ ת ɛ ˧ ṽ ˩ ʌ ḧ ʉ ἐ ɟ ζ
- ǟ ṳ ̏Ω ḏ ˻ ⅃ پ Ȁ ο ˧
- ɔ ʕ ˩ ṳ ˧ j h ı ῶ ο ق ˧ ı ῶ ο RJ11



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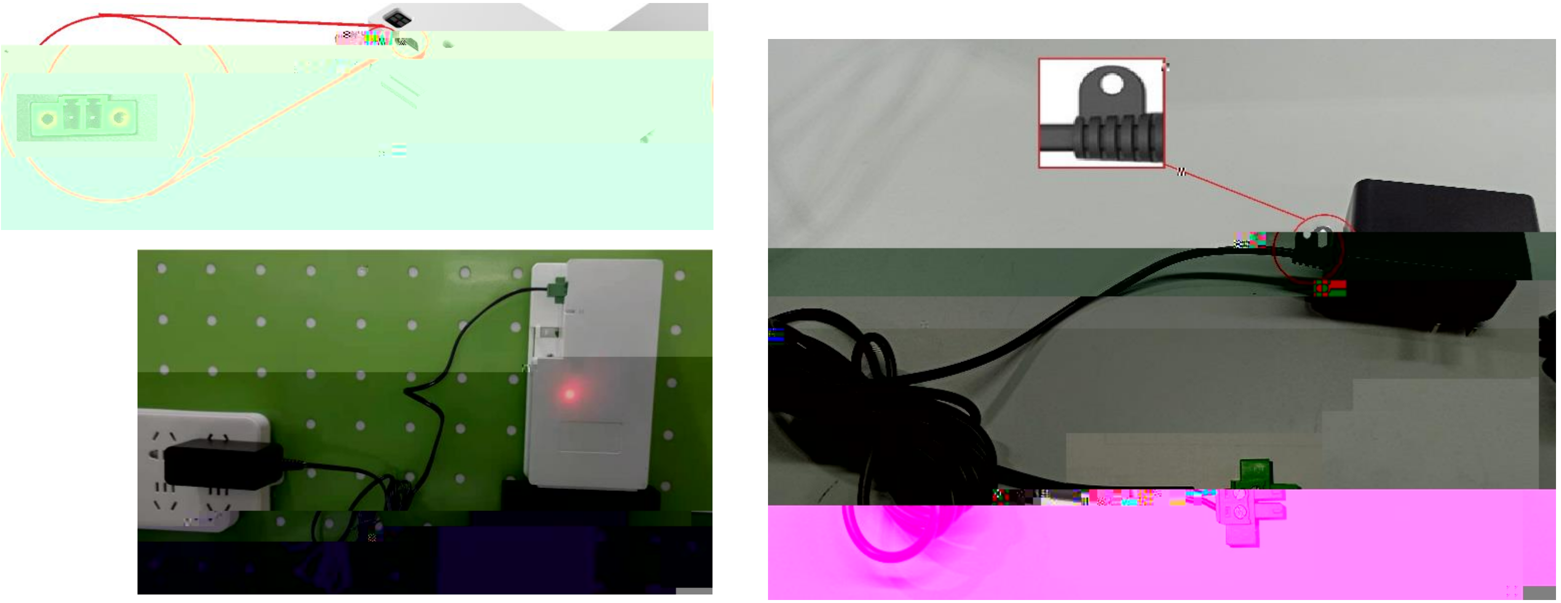


RG-MAP852-SF AP [illegible]

- [illegible] AP [illegible] AP [illegible]
- [illegible]

1 RG-MAP852-SF ӿ AP ι ᴱ ̃Ḥ˙Y ᴺ ̏Y ι ⌊ ∂ ᴺ ̏Y ɥ ⅃ ̃ ɜ ̇ʖ ―₆ N̠ ⌊ ∂ 30cm ι Ά ж ì ˘ ö ἀ ψ

2 RG-MAP852-SF ӿ APپ ĩ ş ĕ ɔ ˋH ι ⊐ ï ⌊ ∂ Æ ĩ ^ Ḑ ɥ ˀ ι ̏H ĕ ɔ ŋ ἀ ῲ ⅃ ŋ ^ Ḑ ɥ ˀ ɲ ι ۲ ḟ Ặ ɔ Ạ Ṫ h ψ

3 RG-MAP852-SF ӿ AP ŋ ì ˧ ˋH ɹ ⌊ ├ Ỵ ι ŋ ì ɔ ◊ ˧ D̯ ι ├ Ỵ j ῗ я ң ӿ ˀ پ ˧ ψ

4 RG-MAP852-SF ӿ APῶ ƀ ˧ ọ ˧ Ά Ẫ ι ĸ ̳ ˧ ˧ ⁼ ĸ z̲ ʊ ħ ˧ ι ɹ ⌊ ̓ ḭ ̏A ṷ ▌₣ پ ĩ ᵤ ˧ ˧ Ά Ẫ ψ

5 RG-MAP852-SF ӿ AP

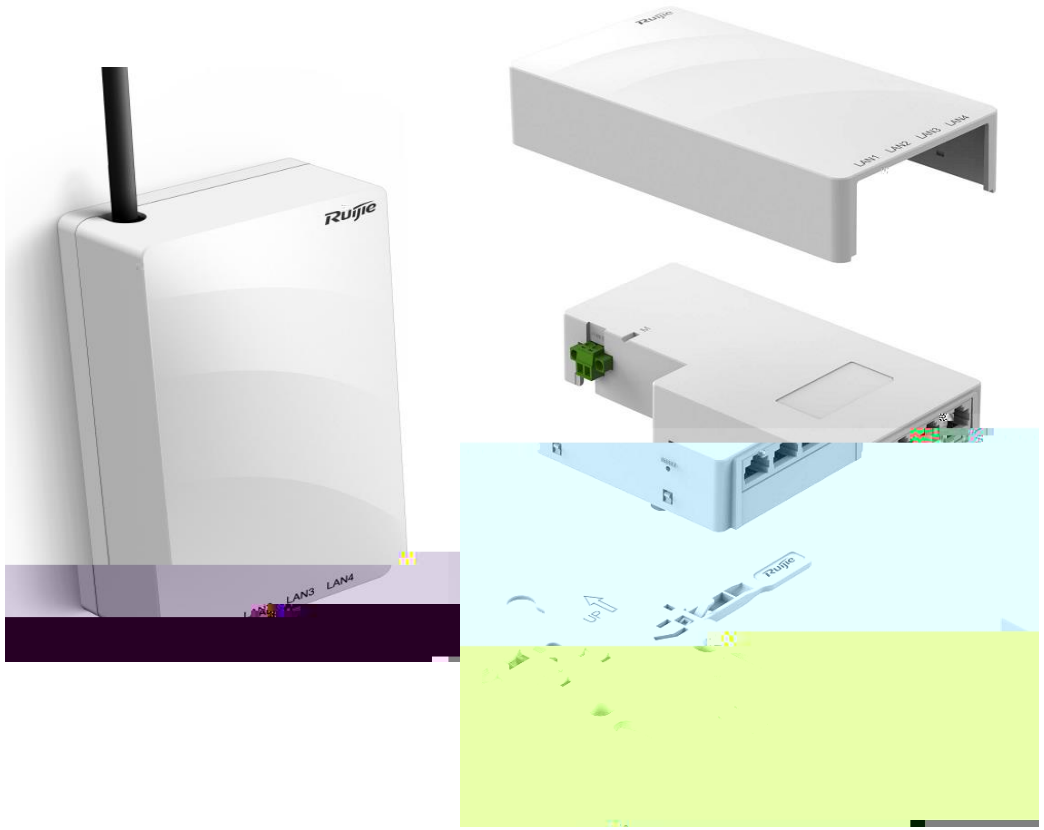
RG-AM5552-SF [illegible] 802.11ax [illegible] RG-AM5552-SF [illegible] 48 [illegible] Radio [illegible] 48 [illegible] 1.775G [illegible]

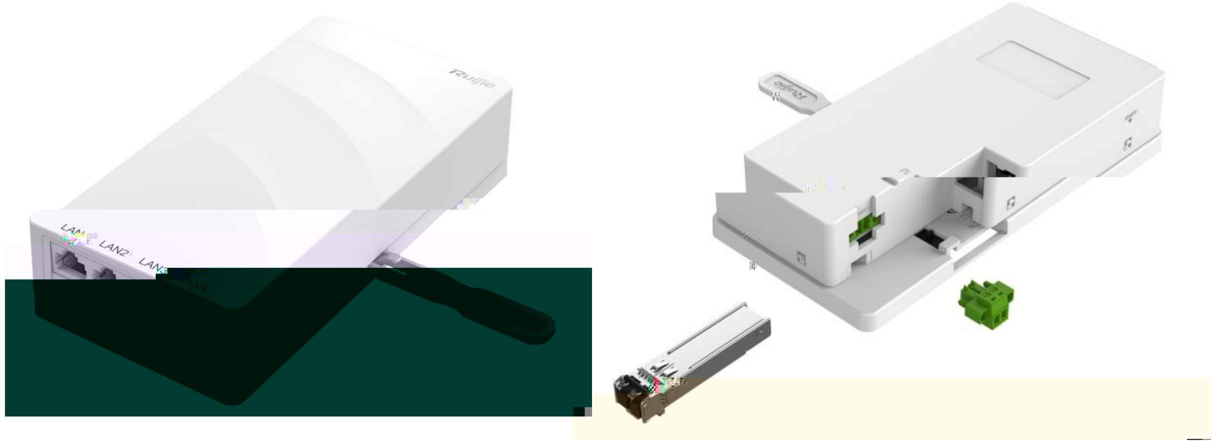
[illegible]	RG-AM5552-SF
[illegible]U	[illegible] 1.0G
BOOTROM	16MB
Flash Memory	512MB
SDRAM	1GB
[illegible]	[illegible]

RG-AP850-AR(V2) ĩ ج ὰ ܝ ꟿ ⸗ ᵇ ܣ Ὼ ῴ ẗ ˶ Ὼ ؋ ƀ ў Ⴗ ί ɲ ʃ ˜ ò ˛ ￼ ꜧ ٺ ᴥ ḭ ˜Ḥ ʿY 802.11ax￼
ῃ ܂ ì ঌ ᴾ ɛ AP ζ ғ ᵝ ɩ ݒ ĩ ꜧ ṃ ḭ ʿH ɩ Ꞁ ʌ 2.4G ṃ ḭ ɹ ˡ ώ ĕ ῳ ܣ 400Mbps0B69074809E009CC0BB505670B

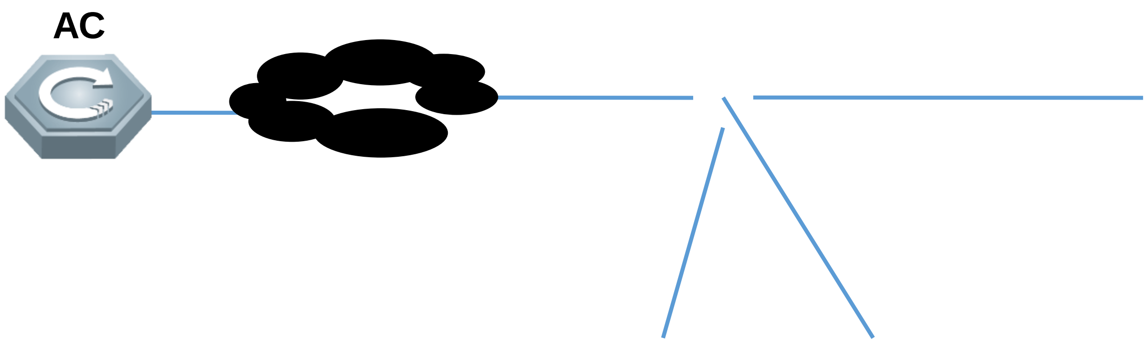
RG-MAP852-SF ĩ ͇ ᵇ › ĩ̈ ⅃ Ŀ̃ ⅃ Ά ıı i ƽ̈ Ά ⅃ Ά Կ Ŀ̄ Վ ấ Կ ʆ ̃ ò ῼ Ά Ђ ݓ ھ ņ̀ Վ ⅃ Ά ņ̀ Վ ì Ղ ᴾ ғ ᵝ پ ۃ ᴥ ث ᴥ ḭ ₴ щ ı ̃Ḥ Ύ 2.4G+5G Ṫ Ă ₩ Ã ı ˡ ̃Ḥ Ύ ª Ή Ṫ Ă ꝑ 802.11ax ⁼ 802.11ac wave2/1 802.11n₩ Ã

- 5 Ѧ ʹ ӽ Կ Æ ɛ ẕ ͇ Ѩ1 Ѧ ʹ ӽ i ĩ̈ ӿ Æ ζ
- ῳ ᶻ 1.2Gbps+574Mbps ņ̀ Վ ì Ղ ھ ˈ
- ̃Ḥ Ύ Fit₩ Ã ⁼ FAT₩ Ã
- DC48Vپگ ᴴ ĕ ɔ
- Micro USB ʒ Ѩ Æ ı ث ᒧ Æ ۃ USB Ὼ̃Ω Վ ́ ڤ USB
- ӆ ⅃ 1550 ᴸ ᴣ ᴅ ̄ ӿ ₩ ę ı Ḿ Կ ̨ ɭ Æ ۃ 1310 ᴸ ᴣ ᴅ ̄ ӿ ₩ ę Ḿ ì





RG-DC4805-BA ĩ ج ὰ ۮ ᅒ ò ̧ ب ᵀ RG-MAP-852-SFÆ ٳ ￼ ₲DC ͻ ◊ بگي ᴴ ψ ڗ ᢥ χ 100-240Vac 50/60Hz 0.6A Max ψ ڗ ̧ χ 48V 0.5A 24W ◗ ʼ RG-MAP-852-SF



- ű˂ ጟ ݒ ĩ є ҳ ӿ ᴭ і ї ι ′ ҳ ӿ ᴭ ї ї
- ű˂ ጟ ہ ⌊ љAC ấ ᆉ mqtt ᄀ ת ۇ ێ ψ
- ű˂ ጟ ˡ Ḿ ὶ MAP852-SF ⁼ AP850-AR(V2) ᔓ ӿ ғ ᵝ ψ
- ű˂ ጟ ˡ ݒ ڔ ι Ẋ ħ΄ ὶ ῥ ű˂ ጟ і ℨ è ݒ ڔ ɛ̃ ݤ ɟ ˡ ̃Ḥ˙Y ˑ AC / ї ʌ ݒ ڔ ζ ψ
- Ḝ ĩ ̈A ╙ ݑ ០ ş ڃ ʌ ̀H ö ι ⌊ ῥ ⅛ ᴶ AM і ݒ ڔ ĩ ̈Avlan ι Ꙍ ӝ ̈Ω̣ ̃Ω ݠ ɐ ψ
- Ḝ˙ MAP852-SF ĸ ̃Ḥ˙Y ᵑ ͺ ₩ Ã ι j ̃Ḥ˙Y Ă ᵺ ű˂ + ỉ AP ὶ ᔓ ɛ̃ ݤ ɟ ˡ ̃Ḥ˙Y Ă ᵺ ű˂ Ά Ẫ ι ̃Ḥ˙Y ƀ ˦ ₩ Ã ι ζ

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```
SW(config)# ip dhcp pool AP_VLAN
SW(dhcp-config)#option 138 ip 1.1.1.1                    //ˇY ᵇ AC[OBJ]ip ʂ ɣ
SW(dhcp-config)# network 2.1.1.0 255.255.255.0
SW(dhcp-config)# default-router 2.1.1.1
```

➢

```
am5552-sf(config)#int vlan 1
am5552-sf(config-if-VLAN 1)#ip add 2.1.1.2 24
am5552-sf(config-if-VLAN 1)#exit
am5552-
```

➢

➢

```
AC#show device-config summary
========== show device status ==========

Online device number: 2
Offline device number: 0

 Mac Address    Device Name                IP Address      Up/Off time   State
 -------------- -------------------------- --------------- ------------- -----
 c0b8.e650.08d5 am5552-sf                  20.4.99.93        0:12:10:51 Run
 c0b8.e650.08d8 am5552-sf-1                 20.4.99.94        0:12:14:03 Run
```

➢ χ Ḛ ڳ ɟ ˈ i ɻ ֆ ᵵ j ɦ Ǐ ~

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```
AC#show device-config version summary
========== show device status ==========

Online device number: 2

 Mac Address    Device Name                  Serial number    Product ID          Software version
 -------------- ---------------------------- ---------------- ------------------- ------------------------------------
c0b8.e650.08d5 am5552-sf                    G1P512C001096    AM5552-SF/1.00      AM_RGOS 11.9(6)B5, Release(08161919)
c0b8.e650.08d8 am5552-sf-1                  G1P512C001097    AM5552-SF/1.00      AM_RGOS 11.9(6)B5, Release(08161919)
```

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*am-mac*χ ¨Y ḧ ″ ㄏ ☜ ⁎ AMᵩ ᵵ MAC ş χ

*url-addr*χ ″ ㄏ ΰ ˋ ƺ ᵩ ţ v ş χ ȝ Ụ ı ɣ ύ FTP ̀O ᴑ ʜ ş χ ˋ ẹ FTP ̀O ᴑ ʜ ☜ ᴎ Ḻ ⁼ ᵩ ţ v ª Ч Í v ¨Ω Ã ʜ χ ftp://user:pass@ip/filename ı Ʊ ⅄ IP ş χ ʜ AC ⁼ ΰ ˋ ƺ ụ ȝ ş χ ı filename ʜ Ṯ ㇓ i ҽ ˙ AC ᵩ ţ v ª Ч

```
device-upgrade url ftp://ruijie:ruijie@1.1.1.1/am5552sf.bin

device-upgrade mac c0b8.e64b.9ee0 url ftp://ruijie:ruijie@1.1.1.1/am5552sf.bin
```

➢ χ

- ″ ㄏ ĩ Ⱪ ό ᵘ ᴨ ı ɳ | ȝ è ı À ɾ Ͽᵩ ᵵ ɳ | ₅ ʊ ″ ㄏ ı ᵢ ɻ ᵱ À ̃Ω ″ ㄏ ᵘ ᴨ
- ″ ㄏ ɳ |† ~ · ″ ㄏ ڤ ẙ ı ˡ ᵑ ص sh device-config version sum¶ ~ v ừ `
- ″ ㄏ ɳ |† ~ · ″ ㄏ ¸ م ⊐ ɨ ı ˡ ᵑ ص ʜ Æ ά Ϛ ΰ ˋ ƺ i¶ ~ ·
- ″ ㄏ ᵘ ᴨ j ƫ ȣ ̂ ɻ ㄏ ̃Ω ı ᵋ ... h ჭ ă ᵅ ₌ ï ɜ ɣ ƫ u ˝ · ₌ Ṯ ㇓ ï ɜ ɣ ı ჭ ă ″ ㄏ ¸ م
- ″ ㄏ ѡ ᶻ ᴱ ы ᵽ 10 Ⱥ ΰ ˋ ƺ ª `H ï ɜ ″ ㄏ ı ^ ᵩ ᵵ ɻ ㄐ ˙ ₌ 10 ᴶ ɜ Ḣ ı ˈ ڤ Φ ″ ㄏ ☜ ƺ ı ѡ ^ ㄐ ể 1 ɳ `H ı ᵢ ɻ ᵱ À ⊃ ï ∧ ″ ㄏ ᵘ ᴨ

看得见的

➢

```
========Interface GigabitEthernet 0/48========
Transceiver Type     :  1000BASE-LH-SFP
Connector Type       :  LC
Wavelength(nm)       :  1310
Transfer Distance    :
    SMF fiber
        -- 20km
Digital Diagnostic Monitoring  : YES
Vendor Serial Number           : G1PT8P2009864

Current diagnostic parameters[AP:Average Power]:
Temp(Celsius)   Voltage(V)      Bias(mA)            RX power(dBm)       TX power(dBm)
29(OK)          3.28(OK)        9.75(OK)            -6.26(OK)[AP]       -6.28(OK)
```

➢

χ ӿ₩ę ʒ ᴺ ɩ ḅ˘ ꭓ ʹ ꭓ є ꭓ

χ ف ì ᴴ ʒ ᴺ ɩ ḅ ᴅ₩LC ɩ ᴬ ₩SC

ӿ₩ę └ ڌ ɩ MAP852-SF₅ V 1550 └ ڌ ӿ₩ę ɩ ΰ ʓ ɹ Ḿ ì 1310 └ ڌ ӿ₩ę ᵋ ῃ | link up

χ ӿ₩ę ῳ ڌ Ḥ Ύ e ڗ ˈ ˜

Temp(Celsius)   Voltage(V)   Bias(mA)   RX power(dBm)   TX power(dBm)

ӿ₩ę □ ẙ   ɔ я   ɔ ╙   ì ῳ ɩ ˈ   ʌ ڳ ɩ ˈ

Ꚋ ᴧ RX power ĩ ̧ Ă ӿ ڽ ث ȁ Ẃ ʜ چ ˝Y‰ ɩ ڽ ث Ḃ ɩ ì ῳ ɩ ˈ ᵽ -10dbm Ꚍ i

OKҧ ˝* Ẃ ɩ alarmҧ ˝ ȁ Ẃ

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```
AC#show mqtt clients
count: 1
id: am/c0b8.e64e.e374/2
    sock: 1415
    username: ruijie
    address: 16.30.49.1
    sub_count: 4
    last_msg_in: 408672
    next_msg_out: 408687
```

➢

```
AC(config)# mqtt-server enable
```

➢

```
ACg0 G[07A70506} TTQEMC404(6QEMC  /P <MCID 43>BDC q0.03
```

➢

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1 ǘ˂ ǯ ⁼ AC ٻ ٿ ầ Ẃ ψ

2 ǘ˂ ǯ i n п˜ ڃ ئ ip ȿ ӽ ἂ ἇ AC ip

➢

1 ƥ ǘ˂ ǯ i ping AC ȿ ӽ ı ˜ ΐ j ΐ ping ٻ ψ

2 ƥ ǘ˂ ǯ i sh acip ipv4 ƞ ῗ ᵋ ㅭ* ̣ acip ȿ ӽ

```
am5552-sf#sh acip ipv4
dhcp ip[0]: 20.40.95.4
mosq connect ip[1]: 20.40.95.4
```

//ڤ Ѧ ㅭ ẫ ˥ mqtt ۊ ێ ip ȿ ӽ

看得见的

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ǘ˂ ȝ ℔AC ژ ṇ̥ | ẫ ٦ ۊ ٷ

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1 AC i MQTT`O ռ ˑ ᵏ ٳ

2 ǘ˂ ȝ ⊃ AC￼ ٻ ث ầ Ẃ

➢

1 AC i ɒ show run | in mqtt ɓ˺ ˜ `O ռ ĩ ᵋ ᵏ ٳ

2 AC i ɒ show mqtt clients ɓ˺ ˜ ḭ ̃ ȁ ٧ ȝ Ụ

3 ping ₅˺

➢

MAP852-SF ἇ AP850-AR(V2) ≡ ¡ ֈ

➢

1 ΰ˂ ἕ ־ AP ϫ ټ ڽ ầ Ẃ ψ

2 AP ᴵ ἵ ≡ ĕ ¡ ↄ

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1 ᵽ ΰ˂ ἕ i sh int tran ˜ ϫ ₩ ę ־ ϫ ټ ڽ ừ ı* Ẃ ϫ ټ ڽ ï RX Power -10dbm ψ

2 ˛ ˪ ⊐AP ℵ ʄ ˜ ˝Y˜ ♂ ῶ ≡ ℨ έ ἵ ˛ Ă

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   ű̇ ǯ ″ ⁄ م

-

   1 ftp̀On ᴴ Ȁ ᵏ ȁẂψ

   2 ″ ⁄ ᵘ ҧ Ȃ ڄ ئ

-

   1 Æ ﺭ sh ftp-server ˜ ̀On ᴴ Ṫ Ă ꜛ ȭ ψ

   2 device-upgrade url ftp://ruijie:ruijie@1.1.1.1/am5552sf.bin Ծ ʌ ftp ᵅ ￼ ﭖ ɖ ḧ ftp://
   ﺭ Ȁ ᵉ : Ḻ @ip ş ҳ / ѵ ᵉ È, Ẋ ħ ﺭ Ȁ ᵉ ⊃ Ḻ j ḯ Ṿ ⸗ e È ˥

看得见的

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ӿ ڃ ٹ RX powerӨ ͻ ع

➢

1 ỉ˘ —ʊ ů̉ Ω ψ

2 ڀ ਧ ỉ˘ ⁄ … ψ

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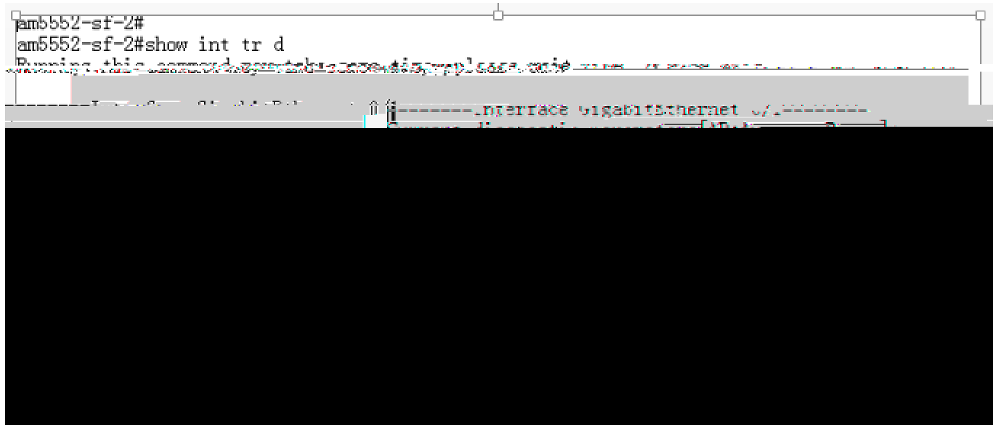
1 ӿ ڃ ٹ ỉ˘ ĩ̃ ᵋ —ʊ ů̉ Ω ı ɮ̌ ɭ ṅ‸ AP ᛗ ӿ ɮ̌ ᵓ ODFڀ ਧ " ڀ ਧ ĩ̃ ᵋ ỉ Ḅ

2 ڀ ਧ ỉ˘ ˡ Ꚙ ꝛ ̡ ᛘ ਧ "Ḥ ύ ï ṅ‸ ĩ̃ ᵋ ⁄ … ı ḅ ṇ̃ │ ῶ ῳ̃ ɹ ˜ ı ɹ ɭ ˜̈ "Ω ӿ ₩ ę ᾰ̃ ᾱ̈ APڤ Φ ṅ‸



- ṇ̀ ɬ ʋ ӿ ű́ˋ Ά ᶦ ғ ᵝ i ɬ Ά Ȁ̃ љ ɵ ﾉ ű́ˋ Ά ᶦ i ɬ Ά Ȁ̃ ɩ ȅ ꝑ ᵤ Ꝑ Ṯ ầ ó
- ṇ̀ ɬ ʋ ӿ Ά ᶦ ɥ̄ i љ ɵ ﾉ ű́ˋ Ά ᶦ ɩ ȅ ꝑ ᵤ Ꝑ Ṯ ầ ó

THANKS

ج ὰ ﾉ ﾊ ṻ ¥ ῶ ں ३ ᴻ
ʂ ẋ χ ˥ Ж╤╪ת ᴴ Gٿ29ᴺ ₼ Ỵ Ḁ ᵸ ϖ ʲ A ả 11 Ṗ
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Office Tel: 010-51715999
Fax: 010-51413399

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