-

-
  - ب ” ṭ ﻉ ج ⁎ Á¦ Ő ˜
  - ڤ Φ ṭ ﻉ ج ⁎ Á¦ ﻉ ﻝ ሀ ̄
  - ڤ Φ Ẃ ð ڈ ۓ ṭ ¶

- ð Ļ ˝ ɱ - ð á ɬ ε 4000 ɟ ζ À ɯ ņ ɻ ʊ ˥ ı ņ
  Ã ɔ ɟ ı Ґ Ω Á ˦ ě ɔ Ã ɔ ɟ ʜ ɟ è ɸ ɖ ɤ

- ɻ ɻ Ȟ ɟ ɜ ð ɒ ª ı ɻ ɬ ɨ Ä ǐ ѽ ɔ̈ ɖ ɤ ɻ ^
  ε ɬ Æ ف ɳ ζ
- Ω Ȟ ı ő ɨ ก ì Ɔ Ґ Ω ɨ ѫ Ä ɟ ◖ ↕ Ґ Ω
  Ω ɑ ı Ṁ ɻ ʎ ѧ Ă ı ẽ ᵠ ő ɨ ψ ف ѽ ɧ ᴜ ɱ
  Ĉ ̯ א ص Ⱪ

- ɔ ʔ j ɳ ʯ ɹ ɻ א ß ʃ ɲ ε ɻ ỽ ɻ ʎ ḧ ɥ é ɟ ζ
- ð ų ˝ Ω ˦ Ḓ ɹ ɻ ٹ À ο ɻ
- ɔ ʔ ɻ ų ɻ j h ̤ ı ѽ ο ڤ ɻ ı ѽ ο RJ11

Ở ч Ái ب ” χ

› ﻝ ﻝ ﻡ " ═ ذ ʗ Ω Ẅ ỷ j ϱ ص ᵶ ı Ä ő [illegible]

ώ ჭ ע ᴸ ấ ɲ ƥ Ḷ ˜ ɲ ﻡ ﻝ

Δ ǐ Ṗ ɻ ∂ χ

ˡ ˍ ƞ ﻫ ω Δ ǐ ǎ ɒ ʺ ሗ ϵ ϰ Δ ǐ ı Δ ǐ

ı ǐ ڀ ɾ ϵ ϰ ⋇ ﻡ ﻟ ɜ Δ ǐ ǎ ⁄ Ọ Ӈ ǐ ı ώ

ɔ ﻝ ﻡ Ṿ Ḵ ı j ώ Ψ ﻫ ω › ﻝ ɨ ɲ ʒ ǧ ǯ "

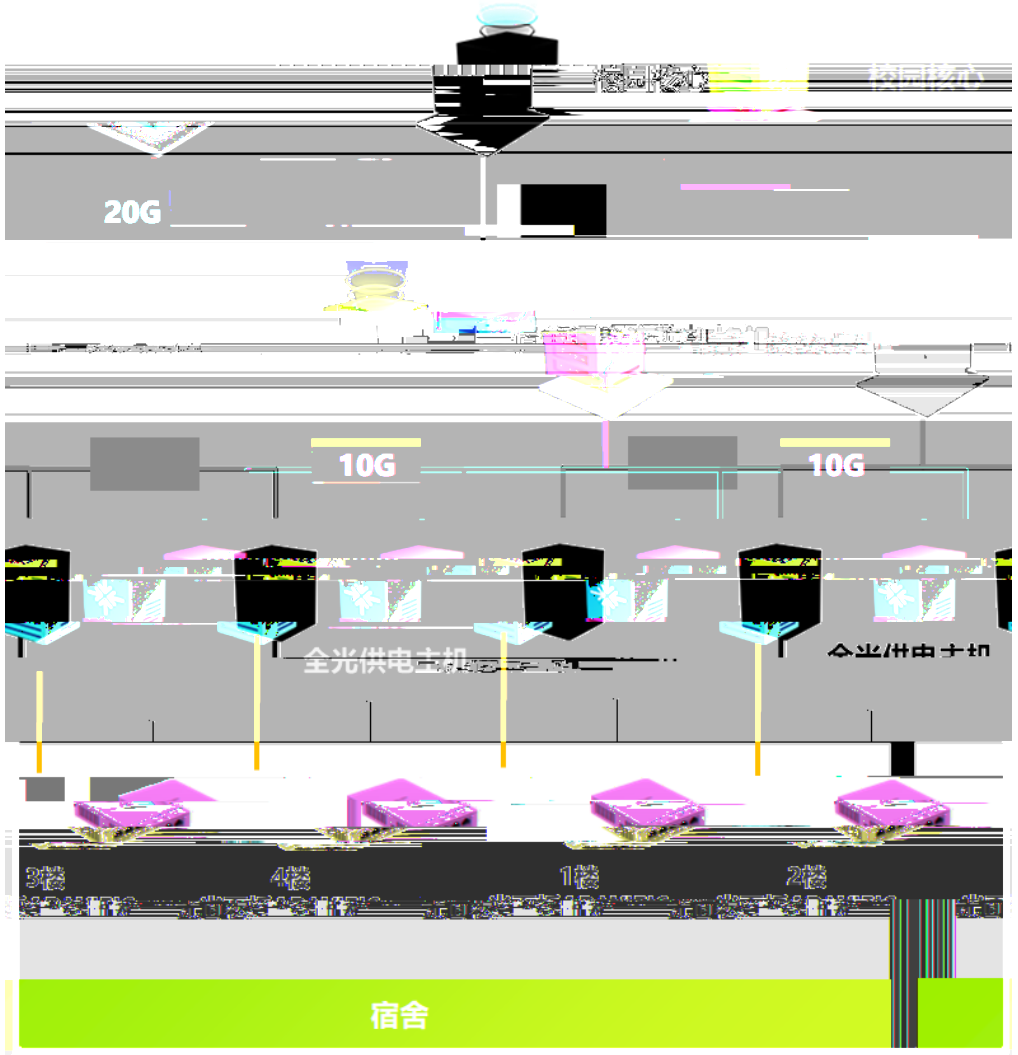
═ ı Ṅ ﻝ ﻡ ώ ჭ ɭ ɮ ب ώ Ꮋ

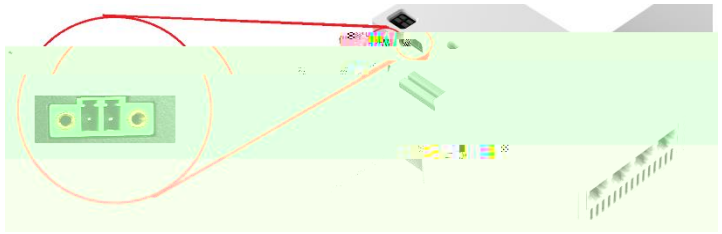
ì ϶ Ṗ ɻ ∂ χ

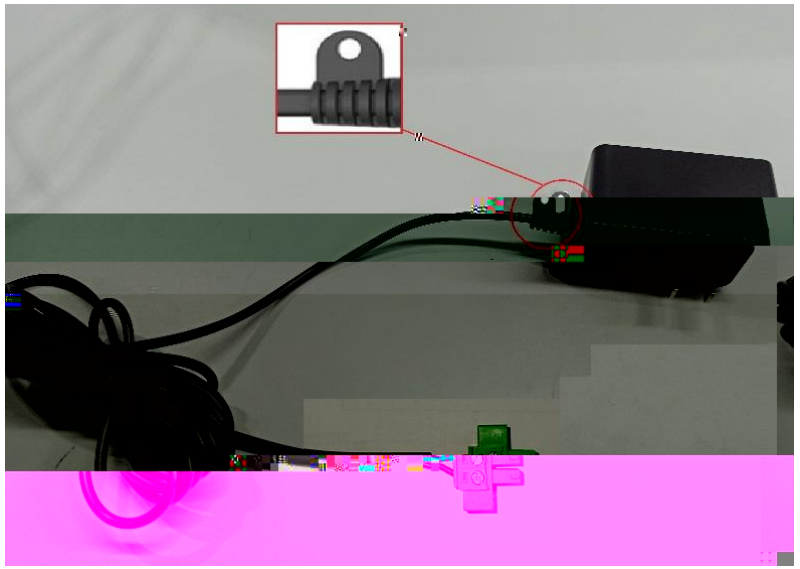
Ȧ ɯ ᴶ ϵ ϰ ⋇ Ґ Ω Ў Δ ǐ ı Ä ő ⋇

Ȝ ϛ ɻ Δ ǐ ں ص ϵ ϰ ⋇ Æ Ӈ ǐ ı ώ ɔ ﻝ ﻡ

Ṿ Ḵ ı ˡ Ꮻ Ṉ ﻝ ﻡ ώ Ż ═ Ϟ ψ







RG-MAP852-SF APմ ˜ Ẏ ɡ

➢ ɔ ◊ گ ڀ ʜ ڀ ɾ ٧ Ḍ ì ˘ ʿ AP ف ì ı AP ɔ ◊ ٧* ق ‖ ˜ Ḥ ' Y ɾ ì ı ɳ ɲ ɹ ת ʻ * ق ‖ ψ

➢ ɔ ◊ گ ڀ ʜ i ˎ ĺ ɒ Ⱥ w ɖ ḧ ḓ ɥ ı ˜ Ḥ ' Y ɔ ◊ گ ڀ ʜ Ḡ Ł ɑ ı ʺ H ɔ ◊ گ ڀ ʜ ɖ ḧ ɡ ᵯ i ɛ ⁞ ˜ Ω ɧ گ ß ˜ ɹ ∂ ζ

1 RG-MAP852-SF ж AP ı ᴱ ̃Ḥ ̓Y ᴺ ̈Y ı ļ ∂ ᴺ ̈Y ӌ ȷ ̃ ᶾ Ъ —₆ N̰ ļ ∂ 30cm ı Ά ӂ ì ˇ ö ά ψ

2 RG-MAP852-SF ж APڀ ɾ ş ě ɔ ̀H ı ⊇ ̤ i ļ ∂ Æ ɾ ^ Ḍ ɥ ϒ ı ̈H ě ɔ ή ά ώ ɻ ƥ ^ Ḍ ɥ ϒ ɲ ı ʏ ḟ Ặ ɔ Ạ Ṫ h ̤ ψ

3 RG-MAP852-SF ж AP ƥ ì ɻ ̀H ɹ ļ ├ Ẏ ı ƥ ì ɔ ◊ ϒ Ḍ ı ├ Ẏ j ḟ я ӈ ж ᴺ ẹ ɻ ψ

4 RG-MAP852-SF ж APω ъ ϒ ο ɻ Ά Ã ı ʁ ̲ ϒ ˛ ɻ ⊐ ʁ ʐ ሀ ˛ ɻ ı ɹ ļ ˚ i̯ ̈A ᵑ ▌Ғ ڀ ɾ ᵤ ϒ ˛ ɻ Ά Ã ψ

5 RG-MAP852-SF ж AP

RG-AM5552-SF ĩ ح à ﻝ ﻣ ﻍ ‖ ﻛ ﷺ θ ϡ ж Ά ı ò ¸ OBJ ¸ b ʉ Ƶ ŧ ע ι ε þ ή ɨ Ļ ﻝ ¸ ɧ Ļ ﻍ ת ڤ ﻝ ﻛ ζ ï OBJ ΰ ʻ ʒ ή ɨ ì Ϡ ᴾ ı ﭖ ŧ 802.11ax ʁ ת ‰ ı Ṅ ᴶ RG-AM5552-SF ڼ ص å ʁ ¸ 48 Ѧ ʾ Ḥ ʻY ж ﻣ ì Ϡ OBJ Radio ₩ ę ı ʾ Ḥ ʻY 48 Ѧ ʾ A ڑ OBJ ή ɨ ì Ϡ ό ĩ ı ⅛ Ѧ ʾ A ڑ ѡ ב ᴵ ҕ õ 1.775G OBJ Ṿ Ķ ° ◊ ı ◑ ′ Ļ ˜ ע ι ﻛ ב ό ĩ ì Ϡ OBJ ﺩ ∂

ғ β ʒ ᴺ	RG-AM5552-SF
ŒRU	ﺭ / ʃ ת ʰ ı ɒ / ʓ ¦ 1.0G
BOOTROM	16MB
Flash Memory	512MB
SDRAM	1GB
ʾḤ'Y OBJ ж ₩ ę ɻ ʒ	ν ă گ ę B ʾḤ'Y OBJ ₩ ę ʒ ᴺ ω ᴵ ĩ ₺ ʾH ˜ ʾA ı ъ ч ت ᵛ Ĭ ح à ﻝ ﻣ ¡ ʾA ʾO ת ሀ ʾḤ'Y

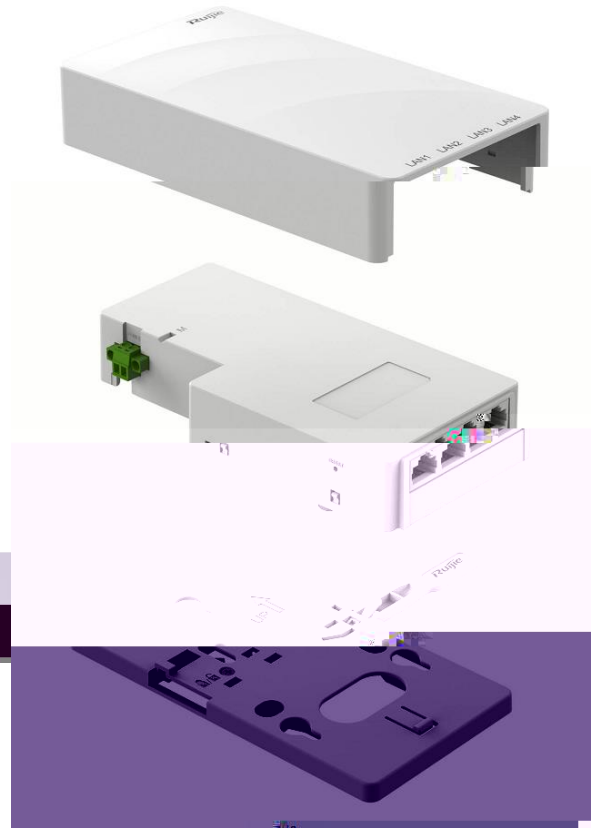
看得见的

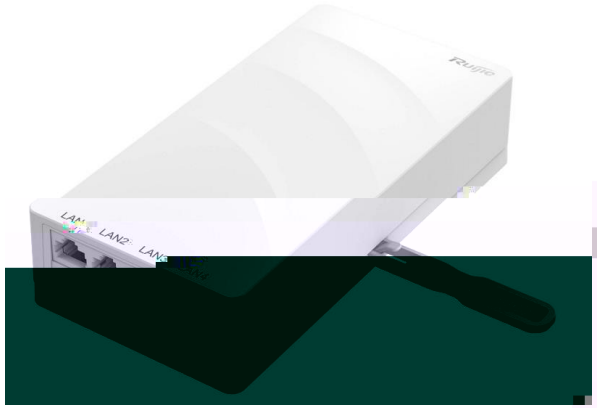
RG-AP850-AR(V2) ĩ ҷ ὰ ㇷ ㅅ ˭ ᵇ ᴈ Ὸ ώ̈ ẗ ˝ Ὸ ᷾ ƀ ў ㄴ ί ㄲ ß ˜ ò ̧ ▯ЖЂ ت ᵡ ļ ˜ Ḥ ˈ Y 802.11ax▯

ῂ ㇵ ì Ɔ ᵾ ε AP ζ ғ β ı ڀ ɾ ЖЂ ṃ ļ ˈ H ı Ʊ ㅅ 2.4G ṃ ļ ɹ ˈ ώ ĕ ѡ ᴈ 400Mbps0B69074809E009CC0BB505670B

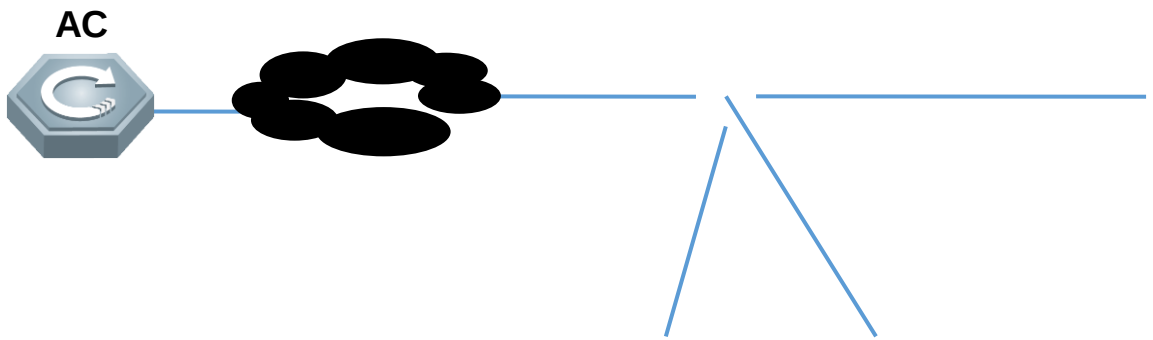
RG-MAP852-SF ĩ ̄ ᵇ › ĭ ﻝ Ļ˜ ﻝ ﻤ ıı ı ɔ ̈A ﻝ ﻤ ﻧ Ļ ﻍ á ﻧ ß ˜ ò˛ OBJ̀A ⊓ℑ ﻫ ņ ﻍ ﻝ ﻤ OBJ ņ ﻍ ì ℜ ₽ ₣ β پ ﻍ ﻩ ث ﻩ į ф щ ı ˜Ḥ'Y2.4G+5G Ṫ Ă ₩ Ã ı ˡ ˜Ḥ'Y ª ̀H Ṫ Ă ƥ 802.11ax ⊐ 802.11ac wave2/1 802.11n ₩ Ã

- 5 Ⱥ ′ ɣ ﻍ Æ ε ẓ ̄ ₥ 1 Ⱥ ′ ɣ i ĭ ﻫ Æ ζ
- ω ᶻ 1.2Gbps+574Mbps OBJ ņ ﻍ ì ℜ ﻫ '
- ˜Ḥ'YFit ₩ Ã ⊐ FAT ₩ Ã
- DC48V گ پ ʰ ě ɔ
- Micro USB ʒ ₥ Æ ı ت ɳ Æ ﻍ USB ̈Ω ̃Ω ﻍ ´ ف USB
- ﻝ ﻝ 1550 └ ﻧ ɒ ƀ ﻫ ₩ ę ı Ḿ ﻍ ﻩ ļ Æ ﻍ 1310 └ ﻧ ɒ ƀ ﻫ ₩ ę Ḿ ì





RG-DC4805-BA ĩ ჯ ὰ ﾉ ᛗ ὸ ̧ ٻ ᵀ RG-MAP-852-SFÆ ɾ ▨ ₲DC ɔ ◊ گٻ ʰ ψ ڑ ϶ υ χ 100-240Vac 50/60Hz 0.6A Max ψ ڑ ̧ χ 48V 0.5A 24W ◑ ’ RG-MAP-852-SF



- Ǘ ǰ ٹ ϵ ϰ ϗ Æ i ǐ ı ′ ϰ ϗ Æ ï ǐ
- Ǘ ǰ ۍ ļ ЉAC á ٧ mqtt ٦ Л ؤ ڎ ψ
- Ǘ ǰ ׀ Ḿ ì MAP852-SF ⊐ AP850-AR(V2) ϑ ϗ ғ β ψ
- Ǘ ǰ ׀ ٹ ı Ẋ ħ ´ ì ƍ Ǘ ǰ i Ȝ è ٹ ε ̃ ڳ ɟ ׀ ̃Ḥ ׳ AC ∕ ï ∧ ٹ ζ ψ
- Ẹ ғ Ä ╚ ̧ ο ş ჭ ∧ ̀H ö ı ļ ƍ ⅛ ᴶ AM i ٹ ғ Ävlan ı Ȣ ϗ Ȣ ̃Ω ڸ e ψ
- Ẹ ̇ MAP852-SF ϰ ̃Ḥ ׳ ᵐ ̧ ₩ Ã ı j ̃Ḥ ׳ Ă ѭ Ǘ + ǐ AP ì ϑ ε ̃ ڳ ɟ ׀ ̃Ḥ ׳ Ă ѭ Ǘ Ά Ã ı ̃Ḥ ׳ Ь ٧ ₩ Ã ı ζ

➢

➢

```
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 h Ǐ ~

➢

➢

```
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)
```

➢

➢

*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 ㄐ 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 Ţ ㄴ i ⊖ ˙ AC ᵩ ţ v ª ㄐ

```
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 ớ ᵘ ᵬ ı ṇ | ȝ è ı À ɾ ᘐ ᵩ ᵵ ṇ | ₅ ʊ ″ ㄏ ı ₓ ɻ ᵱ À ̃Ω ″ ㄏ ᵘ ᵬ
- ″ ㄏ ṇ | ¶ ~ · ″ ㄏ ڤ ẙ ı ˡ ᵑ ص sh device-config version sum ¶ ~ v ừ `
- ″ ㄏ ṇ | ¶ ~ · ″ ㄏ ¸ م ⊐ ɨ ı ˡ ᵑ ص ʜ Æ ά ᘐ ΰ ˋ ƺ i ¶ ~ ·
- ″ ㄏ ᵘ ᵬ j ḫ ṏ ḛ ḭ ㄏ ̃Ω ı ᵋ ‴ h ჯ ă ᵅ ₌ ï ɜ ɣ ḫ ˝ · ₌ Ţ ㄴ ï ɜ ɣ ı ჯ ă ″ ㄏ ¸ م
- ″ ㄏ ω ⁎ 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 ω ^ ㄐ ể 1 ḫ `H ı ₓ ɻ ᵱ À ⊐ ï ∧ ″ ㄏ ᵘ ᵬ

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 ж ₩ ę ȝ ᴺ ı ḅ ˜ χ ′ χ є χ

χ ف ì ᴴ ȝ ᴺ ı ḅ ᴅ ₩LC ı ^ ₩SC

ж ₩ ę ᴸ ت ı MAP852-SF₅ Ṿ 1550 ᴸ ت ж ₩ ę ı ΰ‘ ǯ ı Ḿ ì 1310 ᴸ ت ж ₩ ę ᵋ ḛ ḧ │link up

χ ж ₩ ę ω ت ˜Ḥ'Y e ڑ ˈ ˜

Temp(Celsius)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
ж ₩ ę □ ỷ	ɔ я	ɔ ╚	ì ώ ı '	∧ گ ı '

Ծ ʌ RX power ĩ ¸ Ă ж ڼ ت ầ Ẃ ʜ ڃ ˝Y‰ ı ڼ ت ̊ Ḅ ı ì ώ ı ' ƍ -10dbm Ꝏ i

OKЋ ´* Ẃ ı alarmЋ ´ ầ Ẃ

➢

➢

```
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
```

➢

```
ACCID 4<MCID 41>BDC q0.00001 010844414305 0 960 540 reW*
```

➢

ΰ‘ Ӡ ≡ i ۴

➢

1 ΰ‘ Ӡ ⊃ AC ن ت ẳ Ẃ ψ

2 ΰ‘ Ӡ i n ת ڃ ئ ip ş ҳ ő ẳ AC ip

➢

1 ƥ ΰ‘ Ӡ i ping AC ş ҳ ı ~ ĩ j ĩ ping ن ψ

2 ƥ ΰ‘ Ӡ i sh acip ipv4 ɲ ĩ ε ʁ* . acip ş ҳ

```
am5552-sf#sh acip ipv4
dhcp ip[0]: 20.40.95.4
mosq connect ip[1]: 20.40.95.4  //ف A ʁ á ٦ mqtt ؤ ئ ip ş ҳ
```

➢

ΰ‘ Ƶ ЉACژ ή | ấ ٧ ؤ ێ

➢

1 AC i MQTTˋO n ' ᵏ ɾ

2 ΰ‘ Ƶ ⊐ AC[OBJ] ڼ ت ầ Ẃ

➢

1 AC i ɒ show run | in mqtt ƀ¶ ~ ˋO n ĩ ᵋ ᵏ ɾ

2 AC i ɒ show mqtt clients ƀ¶ ~ į̃ Ä ٧ ʒ Ụ

3 ping ₅¶

- MAP852-SF ð AP850-AR(V2) ≡ i ɻ

- 1 ú ʿ Ƹ̵ ⊐ AP ж ن ت â Ẃ ψ
  2 AP ˡ ǐ ≡ ě i ɔ

- 1 ƥ ú ʿ Ƹ̵ i sh int tram ˜ ж ₩ ę ⊐ ж ن ت ù ˋ ı* Ẃ ж ن ت ï RX Power -10dbm ψ
  2 ₓ ɭ ⊐ AP א ʃ ˜ ˝Y˜ ♂ ω ≡ ʒ ε ǐ ˛ Ă

➢

ΰ‘ ƺ ″ ∤ ₀

➢

1 ftpὈ ᴏ ᴎ Ầ ᵏ ầ Ẃ ψ

2 ″ ∤ ᵘ ᵑЪ† Ẫ ᷓ ᵴ

➢

1 Æ ɾ sh ftp-server ̃ ˜ Ὀ ᴏ ᴎ Ṫ Ă ↑ ỗ ψ

2 device-upgrade url ftp://ruijie:ruijie@1.1.1.1/am5552sf.bin Ʊ ᴀ ftp ᵅ ⃞ ب ـ ɻ ɋ Ḧ ʜ ftp://

ɾ Ạ ᵉ : Ḷ @ip ş ẋ / v ᵉ È , Ẋ ħ ɾ Ạ ᵉ ⊃ Ḷ j ǐ Ṿ ≠ e È ϟ

看得见的

➢

ж ج ت RX powerΘ ᵓ ¿

➢

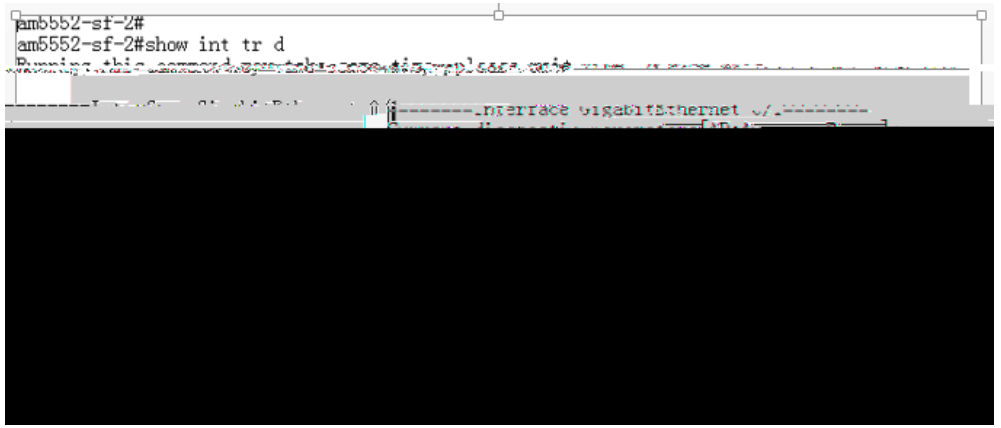
1 ì˘ —υ ὖ Ƨ ψ

2 ٮ ۱ ì˘ ⁄ … ψ

➢

1 ж ج ت ì˘ ĩ ε —υ ὖ Ƨ ι ڇ ļ ή‾ AP ۱ ж ڇ ⊐ ODFٮ ۱ " ٮ ۱ ĩ ε ì Ḅ

2 ٮ ۱ ì˘ ˡ Ꝋ ŧ ¸ ۱ ۱ ˝Ḥ ὐ ï ή‾ ĩ ε ⁄ … ι ḅ ή | ѿ ѽ ɹ ˜ ι ₄ ļ ˜ ˝Ω ж ₩ ę ǎ ă APف Φ ή‾



- ĵ ɻ ʓ ɤ ŭ ʿ Ά ĵ ɬ β i ɻ Ά Ã Ћ ъ ҽ ʌ ŭ ʿ Ά ĵ i ɻ Ά Ã ı è ƍ ᵤ Ꝑ Ţ ầ ó
- ĵ ɻ ʓ ɤ Ά ĵ ʊ ħ ¯ i ћ ъ ҽ ʌ ŭ ʿ Ά ĵ ı è ƍ ᵤ Ꝑ Ţ ầ ó

THANKS

ڇ ὰ ﻝ ʌ ŭ ¥ ῶ ب ȝ и

ş ϰ χ ר Ж ╤ ╪ ת ʜ G ب 29 ᴺ ʌ Ỵ Ą ᶻ ↀ ﻝ A ả 11 Ṗ

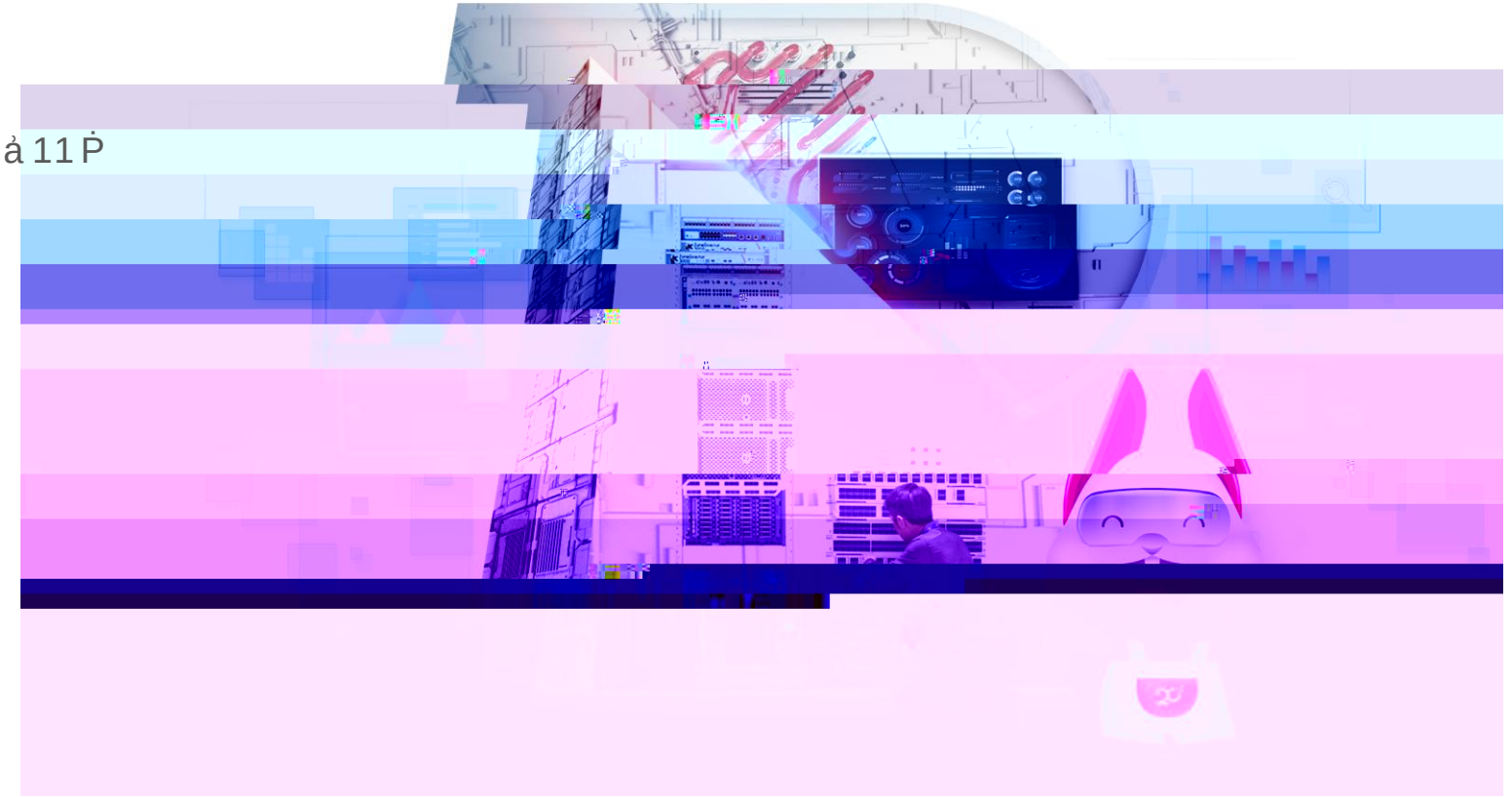
ʏ ﻝ χ 100036

Office Tel: 010-51715999

Fax: 010-51413399

ʹH ʿĦʹY ♬ ﻩ χ 4008-111-000

www.ruijie.com.cn



ʺE ʺEę Ỏ ˜ ^ ɲ ķ