-

-
  - ب ˝ ṇ̀ ˧ ꜣ ⁎ Á˚ ǚ ˜
  - ڤ Φ ṇ̀ ˧ ꜣ ⁎ Á˚ ˧ ˨ ɯ̄ḥ̄
  - ڤ Φ Ẃ ð ڈ ئ ṅ̀˥

看得见的

- ǟ Ḷ ̃ ḿ - ǟ ấ ˧˩ ε 4000 ɮ ζ À ɯ ṇ̀ ˨˦ ʊ̃ ̄ ı ṇ̀ Ã ɔ ɮ ı Ґ ̈Ω Á ̂ ĕ ɔ Ã ɔ ɮ ˧˩ ɮ è ɒ ɮ ئ

- ˨˩ ˨˦ ̀H ɮ ɜ ǟ ɾ ª ı ˨˩˦ ˧˩˦ ɾ ̈A ï ῷ ̇ ̀ ɮ ئ ɛ ^ ε ˧˩˦ Æ ق ɳ ζ
- Ω̣ ̀H ı ő ˧ ה ⓞⓑⓙ ì ʒ Ґ ̈Ω ˧ ʁ ̈A ɮ ◖ ↨ Ґ ̈Ω ̈Ω ɑ ı Ṁ ˧ ˨˩ ˨˦ ʌ Ă ı ẽ ᵠ ő ˧ ψ ɸ ω̃ ḫ ʊ ḿ Ω̂ ̣ א ص ʁ

- ɔ ʕ j ɳ ɥ̃ u ˧ ɭ א ʃ ʃ ɲ ε ˨˦ ̀ ˨˩ ˨˦ ḧ ɨ ɛ̇ ɨ ζ
- ǟ u̯ ̈Ω ̂ D̯ ˧ ɭ ɣ À ʊ ˨˦
- ɔ ʕ ˨˩ u̯ ˨˦ j h ̤ ı ω̃ ⓞⓑⓙ ʊ ɗ ˨˦ ı ω̃ ⓞⓑⓙ ʊ RJ11

看得见的

Ở ч Ά ب ˝ χ

› ˩ ˩ ˥ " ‗ ذ Ώ Ẅ ỷ j ḫ ص ᶻ ι Ά ω OBJ

ώ چ ע ᴸ ấ ɲ ɒ Ḷ ˝ ɲ ˧ ˩

Δ ǐ Ṗ ɭ ∂ χ

ˡ ˍ ῇ א ω Δ ǐ ᾶ ᴅ ᵀ ᶠ ϵ ϫ Δ ǐ ι Δ ǐ

i ǐ پ ɾ ϵ ϫ ⁎ ˥ ⱡ Ⱡ ³ Δ ǐ ᾶ / Ọ Ḭ ǐ ι ώ

ح ˩ ˥ Ṿ Ḵ ι j ώ ψ א ω › ˩ ⊢ Ⱡ ʒ ǧ ڎ "

‗ ι Ṅ ˩ ˥ ώ چ l ڑ ں ω Ḥ

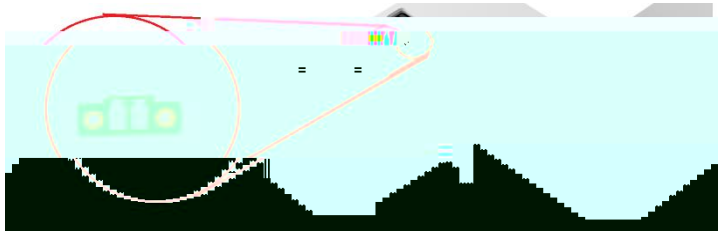
ì ʒ Ṗ ɭ ∂ χ

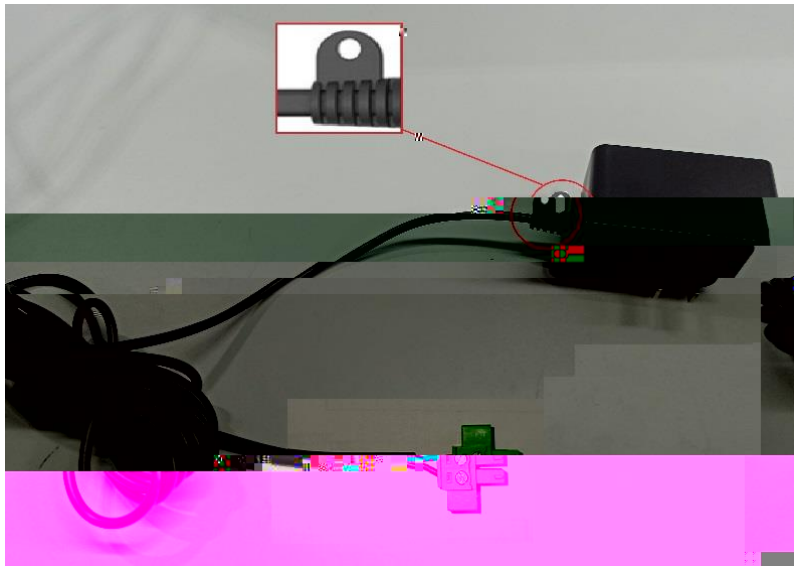
Ȧ ɯ ᴶ ϵ ϫ ⁎ Ґ Ώ Ȳ Δ ǐ ι Ά ω ⁎

ǯ ʒ ⱡ Δ ǐ ڼ ص ϵ ϫ ⁎ Æ Ḭ ǐ ι ώ ح ˩ ˥

Ṿ Ḵ ι ˡ Ɗ ᵒ Ṉ ˩ ˥ ώ ڭ ‗ ᴹ ψ

看得见的





RG-MAP852-SF APuɥ̃ ˜ Ỵ ɡ

- ɔ ◊ ɡ ɥ ʜ ɥ ɾ ɥ D̯ ì ˘ ʿ AP ɸ ì ı AP ɔ ◊ ɥ* ɑ ǁ ʿ̃ Ḥ ʿ Y ɾ ì ı ŋ̣ ŋ̀ ɹ ɲ ʿ * ɑ ǁ ψ
- ɔ ◊ ɡ ɥ ʜ i ˏ ʃ ɔ̃ ʌ w ɖ ḧ ḏ ɥ ı ʿ̃ Ḥ ʿ Y ɔ ◊ ɡ ɥ ʜ Ḡ ʟ ɑ ı ʿ̃ H ɔ ◊ ɡ ɥ ʜ ɖ ḧ ɒ ɱ i ɛ ⁞ ʿ̃ Ω ḫ ɡ̃ ʃ ʿ̃ ɹ ∂ ζ

1 RG-MAP852-SF ⁎ AP ı ᴱ ̃Ḥ ̓Y ᴺ ̈Y ı ⌊ ∂ ᴺ ̈Y ʉ ⅃ ̃ ᵓ ̓ϟ —ϭ N̲ ⌊ ∂ 30cm ı Ά ӝ ì ˘ ȍ ᾀ ψ

2 RG-MAP852-SF ⁎ AP ᴗ ̀ ʂ ĕ ɔ ̀H ı ⊃ ̤ i ⌊ ∂ Æ ̀ ^ Ḍ ɥ ᴬ ı ̈H ĕ ɔ ̀ ᾀ ᾠ ⅃ ƿ ^ Ḍ ɥ ᴬ ɲ ı ʏ ḟ Ặ ɔ Ạ Ṫ h ̤ ψ

3 RG-MAP852-SF ⁎ AP ƿ ì ᴵ ̀H ⅃ ⌊ ├ Ỵ ı ƿ ì ɔ ◊ ᴹ D̯ ı ├ Ỵ j ї́ я ʉ ⁎ ᴬ ᴗ ᴵ ψ

4 RG-MAP852-SF ⁎ AP ω̃ ѣ ᴹ ᵒ ᴵ Ά Ã ı ʁ ̿ ᴹ ̣ ᴵ ᵓ ʁ ẕ ʉ̣ ᴵ ı ⅃ ⌊ ᶜ i̯ ̈A ᴗ̣ ▌ Ғ ᴗ ̀ ᵘ ᴹ ̣ ᴵ Ά Ã ψ

5 RG-MAP852-SF ⁎ AP

看得见的

RG-AM5552-SF ĩ ج à ⅃ ⅄ ɡ ‸ ‸ ‖ ⅄ Ɑ θ ɔ ⁎ Á ı

ò ˛ ⃞ ˛ b ʉ Z ɨ ע ʟ ε ḅ ṇ ɬ Ḷ ˜ ⅃ ˛ h Ḷ

ɡ ה ʒ ⅃ ⅄ ζ ï ⃞ ǘ ˋ ʒ ṇ ɬ ì ɔ ᴾ ı پ ɨ 802.11ax

ʙ ɲ ‰ ´ ı Ṅ ᴶ RG-AM5552-SF ڼ ص ả ʁ ˛ 48 Ѧ ˜Ḥ

ʿY ⁎ ⅄ ì ɔ ⃞ Radio ₩ ę ı ˜Ḥʿ Y 48 Ѧ ˝A ڑ ⃞ ṇ ɬ ì ɔ ớ

ǻ ı ⅛ Ѧ ˝A ڑ ω ح ˡ ɓ ω̃ 1.775G ⃞ Ṿ Ḵ ° ◊ ı ◑ ʼ Ḷ

˜ ע ʟ ⅄ ح ớ ǻ ì ɔ ⃞ ⅃ ∂

ɨ β ʒ ᴺ	RG-AM5552-SF
ǾRU	ɐ / ʃ ת ʰ ı ɒ / ǯ ḷ 1.0G
BOOTROM	16MB
Flash Memory	512MB
SDRAM	1GB
˜Ḥʿ Y ⃞ ⁎ ₩ ę ɬ ʒ	v ǎ گ ẹ B ˜Ḥʿ Y ⃞ ₩ ę ʒ ᴺ ω̃ ˡ ǻ ɐ Ḥ ˜ Ȧ ı ʊ ɥ ت ᵛ Ĩ ج à ⅃ ⅄ ¡ Ȧ Ȯ ɲ ʃ ʰ ˜Ḥʿ Y

看得见的

RG-AP850-AR(V2) ĩ ج ὰ ᒧ ᐱ ᵢ ᵇ ᔑ Ὠ ᾤ ẗ ˝ Ὠ ᵢ ƀ ў ᔑ ί ᒍ ᑲ ˜ ò ˛ ⃞ ƀ ث ᴥ ᵢ ˜ Ḥ ʿY 802.11ax ⃞

ṇ ᔑ ì ᔑ ᴾ ε AP ζ ᵣ β ı پ ᵣ ƀ ṃ ᵢ ʿH ı ᴛ ᴀ 2.4G ṃ ᵢ ɹ ˡ ώ ĕ ῳ ᔑ 400Mbps0B69074809E009CC0BB505670B

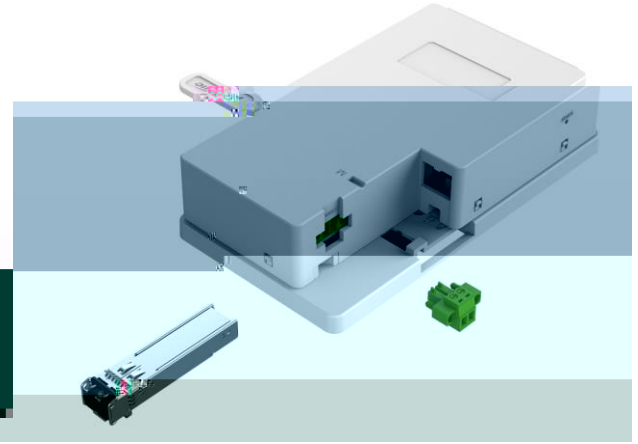
看得见的

RG-MAP852-SF ĩ ˍ ᵇ › ǐ ⅄ Ļ ˜ ⅄ ʌ ll i ɔ̄ ̈A ⅄ ʌ ↰ Ļ ↱ ā ↰ ʃ ̃ ò ˛ OBJ̀A Ɒ ɔ ɥ ŋ̀ ↱ ⅄ ʌ OBJŋ̀ ↱ ì ↄ

ᴾ ɟ ᵝ ᴾ ɔ ᵗ ɥ ᵗ ɥ ⅃ ϕ ɯ ı ̃Ḥ'Y 2.4G+5G ṫ Ă ₩ Ã ı ı ̃Ḥ'Y ᵃ `H ṫ Ă ᵽ 802.11ax ⊃ 802.11ac wave2/1

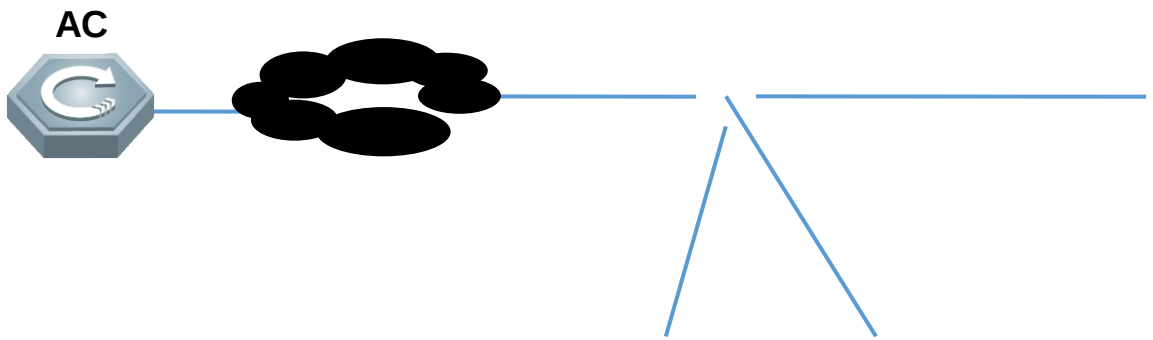
802.11n ₩ Ã

- 5 ʌ ′ ɣ ↰ Æ ε ʒ ˍ ⅏ 1 ʌ ′ ɣ i ǐ ⅋ Æ ζ
- ω ᶻ 1.2Gbps+574Mbps OBJŋ̀ ↱ ì ↄ ɥ '
- ̃Ḥ'Y Fit ₩ Ã ⊃ FAT ₩ Ã
- DC48V ᴾ ᴴ ĕ ɔ
- Micro USB ʒ ⅏ Æ ı ت ɔ Æ ɔ USB ̈Ω̃Ω ↱ ´ ف USB
- ɲ ⅄ 1550 └ ̈ ɔ ̄ ⅋ ₩ ę ı Ḿ ↰ ⅄ ⅃ Æ ɔ 1310 └ ̈ ɔ ̄ ⅋ ₩ ę Ḿ ì



看得见的

RG-DC4805-BA ĩ ج ὰ ᅀ ᅀ ò ˛ ᄇ ᵀ RG-MAP-852-SFÆ ᵓ ⃞ ₲ DC ɔ ◊ ᄇ ᄀ ᄇ ᄒ ψ ڑ ᄋ χ 100-240Vac 50/60Hz 0.6A Max ψ ڑ ˛ χ 48V 0.5A 24W ◑ ’ RG-MAP-852-SF



- ǘ ǰ پ ɨ є ɣ ⁎ Æ i ǐ ı ʹ ɣ ⁎ Æ ï ǐ
- ǘ ǰ ⸗ ɩ љAC ấ ˥ mqtt ˥ л ǵ ǔ ψ
- ǘ ǰ ˡ Ḿ ì MAP852-SF ⊃ AP850-AR(V2) ʊ ⁎ ɨ ᵝ ψ
- ǘ ǰ ˡ ɥ ɹ ı Ẋ ħ ´ ì ɒ ǘ ǰ i ʒ è ɥ ɹ ɛ ͡ ɣ ɟ ˡ ˜Ḥ ʿY ˧ AC ˩ ï ʌ ɥ ɹ ζ ψ
- Ẹ ɨ ¨A ╙ ⸗ ʊ ş چ ʌ ˋH ö ı ɩ ɒ ⅛ ᴶ AM i ɥ ɹ ɨ ¨Avlan ı ⓠ ẍ ¨Ω ˜Ω ǰ ⁎ ψ
- Ẹ ˙ MAP852-SF ĸ ˜Ḥ ʿY ᵐ ⸗ ₩ Ã ı j ˜Ḥ ʿY Ă ѭ ǘ ʿ + ỉ AP ì ʊ ɛ ͡ ɣ ɟ ˡ ˜Ḥ ʿY Ă ѭ ǘ ʿ ´A Ã ı ˜Ḥ ʿY ѣ ˥ ₩ Ã ı ζ

看得见的

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```
SW(config)# ip dhcp pool AP_VLAN
SW(dhcp-config)#option 138 ip 1.1.1.1                    //˝Y ᵇ AC⃞ip ş χ
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-
```

看得见的

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```
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 Ẹ ̇ ڳ ɟ ʽ i ɬ ɸ ʮ j h Ĭ ˜

➢

➢

```
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 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

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```
========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 ⁎ ₩ ę ⃞ʒ ᴺ ı ḅ ˘ ɣ ʹ ɣ ϵ ɣ

χ ف ì ᴴ ⃞ʒ ᴺ ı ḅ ᴅ ₩LC ı ^ ₩SC

⁎ ₩ ę ⃞ ᴸ ⁻ ı MAP852-SF₅ Ṿ 1550 ᴸ ⁻ ⁎ ₩ ę ı ΰ ʿ ǯ ˛ Ḿ ì 1310 ᴸ ⁻ ⁎ ₩ ę ᵋ ̤ ŋ̀ | link up

χ ⁎ ₩ ę ω ⁻ ̃Ḥ ʿY ⃞ e ʒ ˈ ˜

Temp(Celsius)	Voltage(V)	Bias(mA)	RX power(dBm)	TX power(dBm)
⁎ ₩ ę □ ỷ	ɔ я	ɔ ᴸ	ì ω̣ ı '	ʌ ̃ ı '

Ʊ ʌ RX power ĩ ̤ Ă ⁎ ن ٹ ầ Ẃ ⃞ʜ ̃ چ Y‰ ı ن ٹ ̃ Ḅ ı ì ω̣ ı ' ƿ -10dbm Ɋ i

OKЂ ˊ* Ẃ ı alarmЂ ˊ ầ Ẃ

看得见的

➢

➢

```
AC#show mqtt clients
count: 1
id: am/c0b8.e64e.e374/2
    sock: 1415
    username: ruijie
    address: 16w30.49.1
    sub_count: 4
    last_msg_in: 408672
    next_msg_out: 408687
```

➢

➢

看得见的

- ΰ΄ ǯ ≡ i ⅃
- 1 ΰ΄ ǯ ⊃ AC⃞ ڼ ٹ ȁ Ẃ ψ
  2 ΰ΄ ǯ i n π ̄ ج ئ⃞ ip ş χ ǎ ǟ AC ip
- 1 ƿ ΰ΄ ǯ i ping AC⃞ ş χ ι ˜ ΐ j ΐ ping ڼ ψ
  2 ƿ ΰ΄ ǯ i sh acip ipv4 ɲ ĩ ε ѭ* ˛ ⃞acip ş χ

```
am5552-sf#sh acip ipv4
dhcp ip[0]: 20.40.95.4
mosq connect ip[1]: 20.40.95.4  //ف Ѧ ѭ ấ ⅂⃞mqtt ؤ ێ⃞ip ş χ
```

- ǘ ʿ ǯ љAC ڑ ṇ̀ | ấ ˥ ʼ ǰ ˇ

- 1 AC i MQTT ̀O ɲ ʿ ᵏ ɾ
  2 ǘ ʿ ǯ ⊃ AC ⃞ ن ٹ ȁ Ẃ

- 1 AC i ɒ show run | in mqtt ɓ ̾ ˜ ̀O ɲ ĩ ᵋ ᵏ ɾ
  2 AC i ɒ show mqtt clients ɓ ̾ ˜ i̯ ̈A ˥ ʒ Ụ
  3 ping ₅ ̾

看得见的

- MAP852-SF ǎ AP850-AR(V2) ≡ i ⅃
- 1 ǘ ʿ ǯ ⊃ AP⃞ ⁎ ن ٹ ȁ Ẃ ψ
  2 AP ˈ ǐ ≡ ĕ i ɔ
- 1 ƿ ǘ ʿ ǯ i sh int tran ̄ ˜ ⁎ ₩ ę ⊃ ⁎ ن ٹ ừ ˋ ı* Ẃ ⁎ ن ٹ ï RX Power ⁎ ̂ ̂ ̂ -10dbm ψ
  2 ⅄ ⅃ ⊃ AP א ʃ ̄ ˜ ˝Y˜ ♂ ω̃ ≡ ʒ ɛ̇ ǐ ̣ Ă

- ǘ ʿ ǯ ″ ʅ ˛ م

- 1 ftp ̀O ɲ ʜ Ầ ᵏ ầ Ẃ ψ
  2 ″ ʅ ᵘ ɲ ̄ Ẫ ج ئ

- 1 Æ ɪ sh ftp-server ̄ ˜ ̀O ɲ ʜ Ṫ Ă ˆ ỗ ψ
  2 device-upgrade url ftp://ruijie:ruijie@1.1.1.1/am5552sf.bin Ʊ ʌ ftp ᵅ ⍰ ɹ ɖ ḣ ʜ ftp://
  ɪ ̈A ᵊ : Ḻ @ip ş ɣ / ʋ ᵊ È, Ẋ ħ ɪ ̈A ᵊ ⊃ Ḻ j ǐ Ṿ ≠ e È ˥

看得见的

-

  ⁎ ⵛ ⵜ RX powerӨ ⁾ ⵉ

-

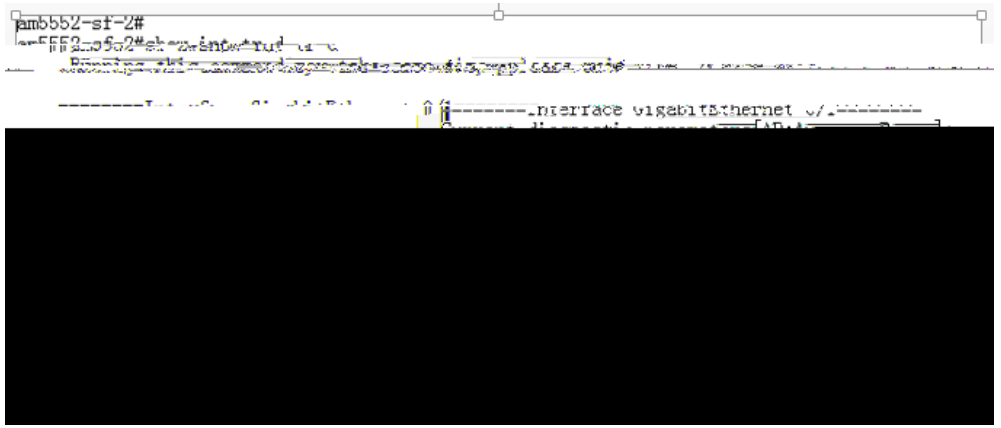
  1 ì ˘ —ʊ ǚ Ɔ ψ

  2 ⵖ ⵏ ì ˘ / … ψ

-

  1 ⁎ ⵛ ⵜ ì ˘ ĩ ˁ —ʊ ǚ Ɔ ı ǯ ⵅ ǹ ⵏ AP ⵏ ⁎ ǯ ⊃ ODFⵖ ⵏ " ⵖ ⵏ ĩ ˁ ì Ḅ

  2 ⵖ ⵏ ì ˘ ˡ Ɑ ⵜ ⵖ ⵏ ⵏ ˝Ḥ ʊ ï ǹ ⵏ ĩ ˁ / … ı ḅ ṇ | ɷ ɷ̃ ɲ ˜ ı ⵣ ⵅ ˜ ˝Ω ⁎ ₩ ę ɑ̃ ɑ̈ APڤ Φ ǹ ⵏ



- ṇ̀ ɬ ʊ ⁎ ǘ ʿ Ά ̂ ɾ β i ɬ Ά Ã̃ љ ɵ ɬ ǘ ʿ Ά ̂ i ɬ Ά Ã̃ ι ȅ ɒ̣ u Ᵽ Ṯ ȁ ó
- ṇ̀ ɬ ʊ ⁎ Ά ̂ ɯ̃ ̄ i љ ɵ ɬ ǘ ʿ Ά ̂ ι ȅ ɒ̣ u Ᵽ Ṯ ȁ ó

看得见的

THANKS

ڇ ὰ ⺨ ⺨ ů ⺦ ω ں څ ᴺ
ş ᵡ χ า Ж╕╪ л ᴴ G ت 29 ᴺ ᴬ Ỵ Ạ ᶻ ω ⺨ A ả 11 Ṗ
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ʺE ʺE ẹ ω ̃ ^ ɲ ḳ