RG-AP710(D) ώ

V1.01

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ɖ ˧˩ У˦ ¯ Â

˦ ☼ ʌ˘ ˙ ɪ ` æ ɲ э ж a Ʌ˙ ɪ ˦ ɑ̈ ɷ̈ ⁸ ȁ ȁ ` ȁ ⁹ ȁ· ȁ ɛ ы ȁ ɛ ɷ̈ ˦ ɣ ى н Â

Ʌ Э ɕ̈ ѝ ى Â

˧˩ ɛ ы ى ʼĄ ى ˘ ˩ ж Â

ғ ӊ ث ȁ ⊨ ʌ ى н ˊ ˚ ɲ ˘ è ɷ̈ ˦ ӊ ث ȁ ⊨ ʌ a ɟ̈ ғ ᴳ ɟ̈ ɑ̈ Â ˊ ˚ ˧˩ ˘ ɑ̈ a ṁ˙ ɪ ɖ Â

ɣ ӊ ث ` ɛ ы ˥ ɟ̈ ˘ ɑ̈ ˛ a Â ɖ ɟ̈ ˙ ɪ ɑ Ю ɑ̈ ⁹ ¯ Â

ʼĄ Θ ɔ ѝ ᴳ Â ɟ̈ ɲ̃ ʼĄ ⊨ ɖ ɛ ɑ̈ ɳ ʌ ˘ ɲ a ɖ ʼĄ ɑ̈ ɷ̈ ˘ ʼĄ è ɐ ≠ a ˙ ɪ ɖ Â

G ӈ ث ̆ ̆Ą ѝ k ɞ ̆ ̉ Â

̆Ą ў Ӯ ɞ ӈ ث فخ ╖ Э ɲ Э У Ę ̆ k ɞ à à ̆ Ѫ ⅃ ɲ ئؤ
ɲ G ñ ‡ Â ɣ Э ą̈ ɞ з فخ ɲ ̆ ɛ́ У Â ̆ Í ӈ ث
̆Ω ɲ Â

ʿ http://www.ruijie.com.cn/

فخ ʿ http://webchat.ruijie.com.cn

ᒪ б ʿيم http://www.ruijie.com.cn/service.aspx

7 ¦ 24 ᒪ ʿ 4008-111-000

ʿعى http://bbs.ruijie.com.cn/portal.php

ʿ

1

RG-AP710(D) ǟ ȁ ǎ ȁ ȁ ȁ ى н ǫ̈ نج 802.11ac Wave2 ώ ˆ AP˜ ӊ ث˘ ɣ ˘ 2.4G ᵏ 300Mbps ώ ˘ 5G ᵏ 433Mbps ώ ˘ ᵏ 733Mbps ώ Â

1.1 RG-AP710(D)

ˇ	
	2.4G ˊ √ 5G ˊ `
· ˜	ñ 802.11ac Wave2 ˜ ˘ ⁄ˇ ɔ فخ 802.11ac ṉ 802.11a/b/g/n
ɔ	802.11b/g/n ˊ 2.4G ~ 2.4835GHz 802.11a/n/ac ˊ 5G ˊ 5.150˙ 5.350GHz˘ 5.47˙ 5.725˘ 5.725˙ 5.850GHz (ˊ ɔ a ˇ ىى ⁄ ◻ ˜
شخ	ǫ̈
·	2.4G ᵏ ŕ Ȯ

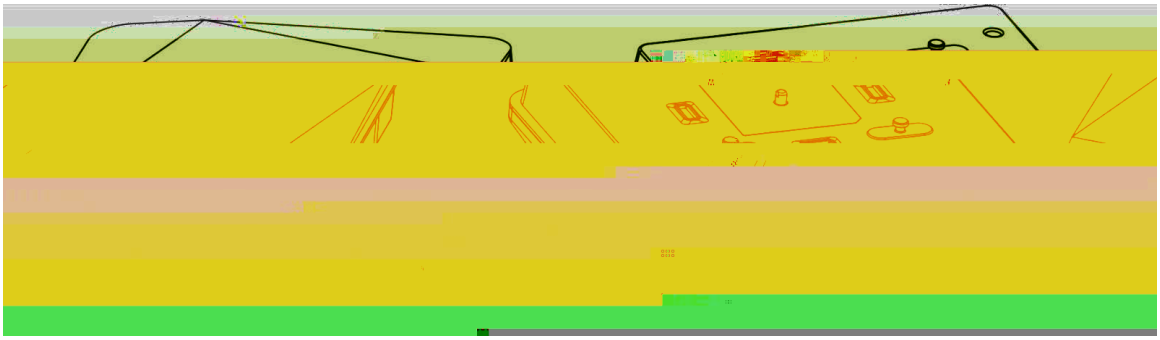
	ẏ ˊ -40°C˙ 70°C
	ɔ ˊ 5 ˍ ˙ 95 ˍˆ ŭ ˜
	ẏ ˊ 5 ˍ ˙ 95 ˍˆ ŭ ˜
	ȁ5
	IP41
ώ	GB4943 ȁ IEC 60950-1
EMC	GB9254 ȁ EN301 489˘ EN50155˙ EN50121
╟	IEC61373
	ʌ ɴ ʌ ñ ȁ EN300 328 ȁ EN301 893
MTBF	>400000H

˘ ℓ ˝Ḥ ά Å ˜ ɾ ˘ ¢

1.2 RG-AP710(D)

RG-AP710(D) ˆ ȕ 2 э ʌ ȁ 1 э Ʌ ʌ˘ PoE ᵏ ȁ У э Console ʌ˘ У э ئؤ Â ὲ Ю يي ˊ

يي 1-1 RG-AP710(D) يي



ˊ

ŵ

Ŷ Micro USB Console

ŷ Reset

Ÿ

Ź LAN1/PoE ʌ

ź 5V ئؤ ώ ʌ

1.3 RG-AP710(D)

Ю˙

	Ѭ	
Í	AP Э / ó ˘ ˝ ˜Ω Â	
3Hz	AP ˥ ◘ uboot	

Í	AP ˥ ◘ ў	ă
3Hz	AP ˥ ◘ ˘ ˧˥ down	
Í	AP ˥ ◘ ˘ ﻫﺫ CAPWAP	ă
3Hz	AP ﻫﺫ Ю ˘ a Ю	
Í	AP ɔ˘ CAPWAP ˘ ˧˥ ώ	ă
3Hz	AP ɔ˘ CAPWAP ˘ ˧˥ ώ	
Æ	¥ 2S	í
	¥ 3S	˥

Ю‘

2

2.1

ˉ ∈ ث ˆ ά ϑ Ҡ Ổ ő ‿ RG-AP710(D) ᴜ ϰ ɪ‿ , ¢

ɪ‿ , ɱ ζ Ớ ʒ ʟ ɥ ɪ ʞ ¢

2.2

ȁ ȁ ᴇ ȁ ȁ ȁ ∧ ˆ شخ ȁ ∧ ∧ ȁ ∧ ˜ ∨ ∨ a ȁ ╟ ئۆ
a ¯ ɣ AP ɔ˘ a فخ è Â

كه ˘ a فخ كه Â ɣ 500m˘ ˚ a
ϭ ǟ Â

ш فخ ȁ ȁ ȁ كه Â فخ ˘ ɐ , ɲ ɐ
˘ ´ Ạ ȁ ȁ كه ȁ كه ȁ ⊢ ȁ Ӈ ثز ˘ ´ ɐ كه هه Â

¯ ‿ ج ٿ ɪ ‿ ᴅ ℗ ϑ ɪ‿ ʌ ¢

2.3

فخ ɨ , ȯ ╟ Â

╟ ǯ ɱ ˜Ω ˘ ɲ Â

2.4

ɔ ˘ كه فخ ɲ Â ˜Ω ɔ ӝ Ш ɛ́ ɔ н Â

ɾ ɔ ˋ هه ą̈ ʊ̋ فخ فخ ˜ ˘ كه ʊ̋ Â

فخ ɱ˘ فخ ą̈ ˜Ω æ ˘ ∧ ˘ ˝Ɪ˞ ˜Ω Â

˜Ω ˘ У ɾ Â

a فخ كه ˘ ≠ a ᴇ ώ ᴇ ą̈ Â

AP ɔ كه a б ⊢ كه ɲ كه ´ ˘ ∧ Â

∧ ∧˘ ∧ ∧˘ ˘ ╖ Â

в Ặ ʒ ¡ в ɪ ṭ è ʒ ʟ ṇ̇ ṇ̈ ṭ ṇ̃ ˥ ẗ ő Й ˆ ά ϑ Ҡ ¡ ج ɪ Ổ ¢

ϭ ṇ̈ ọ’ ʊ̃ ϭ ϭ ə Ö ¡ ṭ ő ʒ ʟ ˛ ˋ ج ¢

2.5

RG-AP710(D) فخ ą̈ ᴳ Â ѝ ɖ ɔ ɲ ᴳ Ѣ˘ نج Ю ‟ Â

2.5.1

فخ è˘ فخ è˘ έ Â

Æ يز˘ RG-AP710(D) ⅃ ὲ ˇ Â

Æ ˊ RG-AP710(D) ˘ ṃ ɨ ʌ У ˘ Ѣ ¯ ɣ ˘ ˚ Æ
لجي 2m Ѣ Э Æ ˘ ɖ ц ǯ ṃ a ̥ Â

2.5.2

RG-AP710(D) ѝ ˘ فخ ɖ ṃ ɨ ʌ У ˘ Ѣ ¯ ɣ Â

2.5.3

ѝ ɖ RG-AP710(D) ɔ ɲ ᴳ Ѣ˘ ɔ У ɲ Â ɔ ɣ a ˊ ȁ
˘ ̥ سهـ Â

ɣ ˘ a ˘ Â ≠ ʌ ⅃ ◻ ȁ ˇ
Â

ɣ æ ˘ ̥ ˘ ˚ ɥ ˘ ˜ Э Â

ɣ ˘ ‡˜ ˘ ̥ ᴳ ʌ æ˘ ̥ ط Ѣ˘ ╗ ◻ Â

RG-AP710(D) ȁ Ю ‘

ɔ	ɔ
-10 C-50 C	5%-95%

2.5.4

У ˜ Â ą̈ فخ ᴇ Э˘ ʌ Ѣ ⁵ ˘ ᴳ a ˘ ὲ فخ ą̈ Ḷ
æ ą Ю˘ ⁵ ˘ a ת ̥ ط Ѣ˘ ɜ ą Â ą̈ ȕ ⅃ Ю
Â

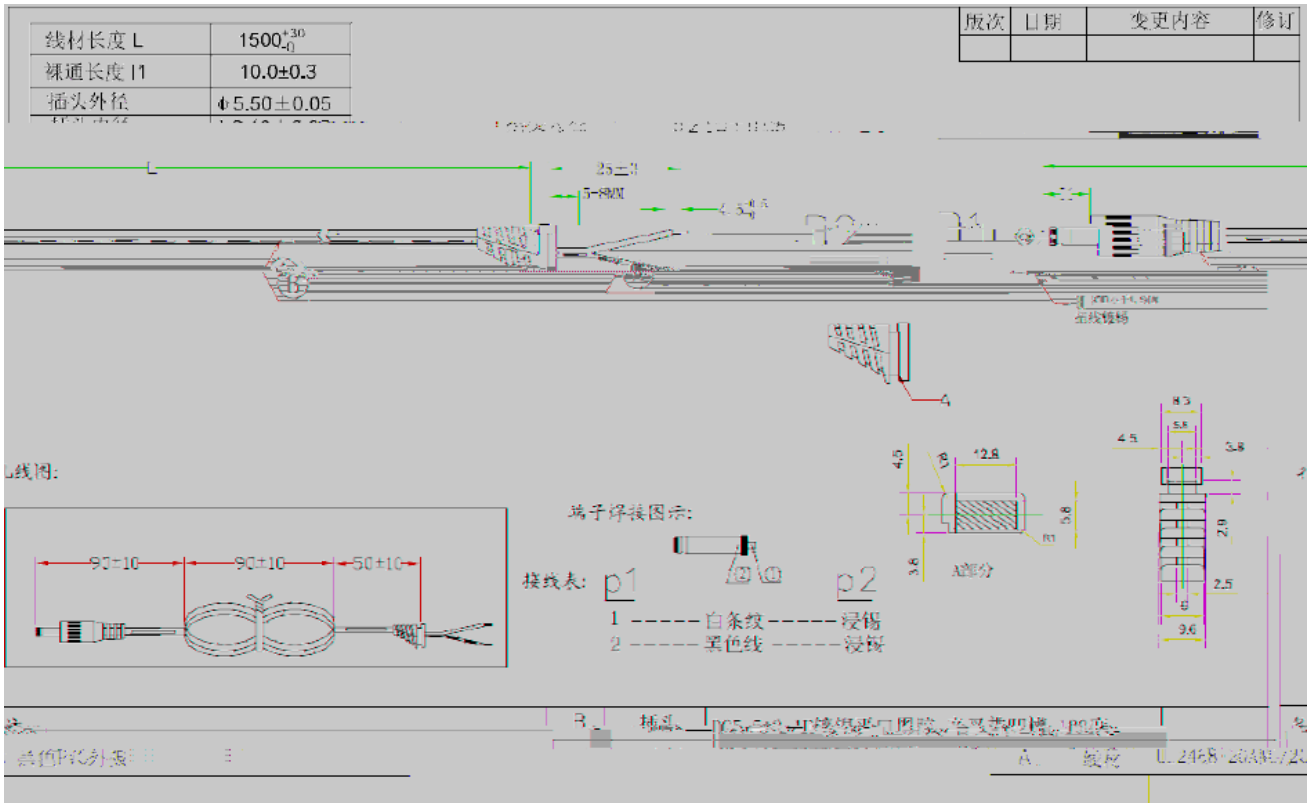
(ë m)	0.5	1	3	5

γ ◘ SO_2	0.2	1.5
◘ H_2S	0.006	0.03
γ ◘ NO_2	0.04	0.15
NH_3	0.05	0.15
Cl_2	0.01	0.3

2.5.5

ئؤ ώ ˋˊ DC5V/3A˘ ╖ 15W Â ئؤ Юيي Â

ą̈		ώ	
2.10+/-0.05mm	5.50+/-0.05mm	10mm	ą̈ ˆ a ˊˊ ą̈˜



PoE ώ ئؤ ˊ ˊ 802.3af/802.3at ñ PoE ώ ئؤ Â

Ɲ ṷ ṗ ˚˚ ˝Ḥ ˋH Ỳ ɪ ṭ ṷ ṗ ¢ RG-AP710(D) ɪ Ɲ ṷ ṗ ˚˚ 15W ¢

Ɲ ṭ Ṷ ṭ ő ǫ p ɛ Ǫ ɹ ɪ ṭ ɹ ¢

PoE ǫ p ‡ ọ ɛ ɪ ¢

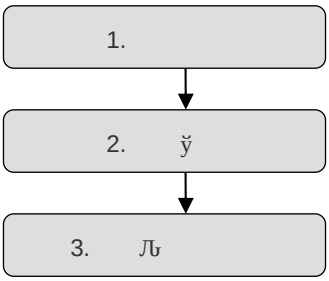
2.5.6

3

RG-AP710(D) ʻʻ AP ɔ ɣ ą̈ˇ ɜ ɟ ᴳ Â

ذ ‡ ᵁ ᑊ ʉ ʔ ʇ ő ᑊ ʉ ʔ ‡ ǀ ˛ و ¢

3.1



3.2

RG-AP710(D) ṃ æ ȁ ȁ ᵏ ˧ ᴓ , ɲ Â ṃ ЉЮ ύ ʻ

ᵏ Љ ӊ ث Â

ɲ Â

ɲ Â

ˇ ˥ Â

Â

ھ Â

ɣ ж ᵏ ˇ ڤ ṃ ŭ ˊ ж ᵏ Â

3.3

ѝ ɖ AP ɔ ɲ ᴳ Ƀˇ ÿ ЉЮ Y ʻ

ˇ a ᵏ Â

ɣ Â

ȯ ɣ Â

ᛋ Â

فخ ᾷ Â

ȁ نج Â

ɖ ˘ Â

فخ ṃ˘ ’I ЮÂ

a Â

a ᴇ Â

a فخ ɔ Â

يز يز Â

3.4

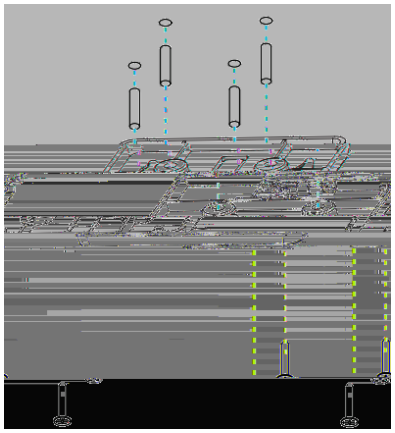
ç ḡ Ḷ 1 ˚˚ ɪ ᴅ ‿ ’Ḥ ¢

ئ ὺ – ő ᴥ‿ ɪ ç ḡ Ḷ ˚˚ j Ả‿ ɪ ç ḡ Ḷ ő ᴥ‿ ¢

5

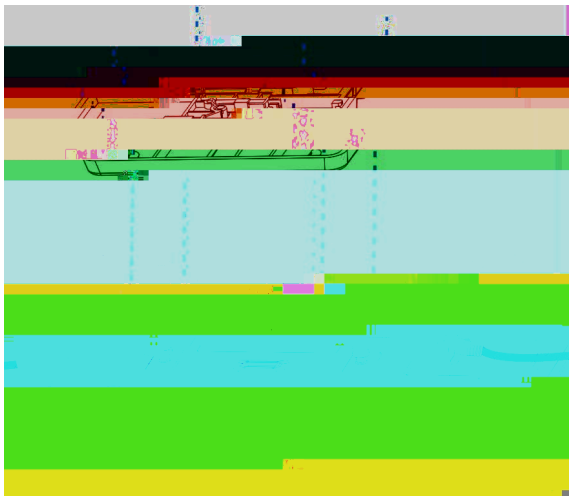
1) فخ Э 4 э 6mm ˘ è ѝ 53mm˘ فخ è ώ p يز ɨ˘ p ώ يز Â

يي 3-1 5



ў ɨ ñ Â

يي 3-1 AP ñ



̓Ḥ ▪ Ả ˜ ő ‿ ự ¢

Э ˥ ǟ ў ώ ą̈ Â

يي 3-2 AP ώ

RG-AP710(D) ɪ Ả ˜ ç ̓Ḥ š ᵑ ɪ‿ ¢ ̓Ḥ Ả ˜ ő ˝I ʒ Ṣ ⅃ ɾ ɪ ʎ ″ ̓Ḥ ˆ š ᵑ ‿ ¢

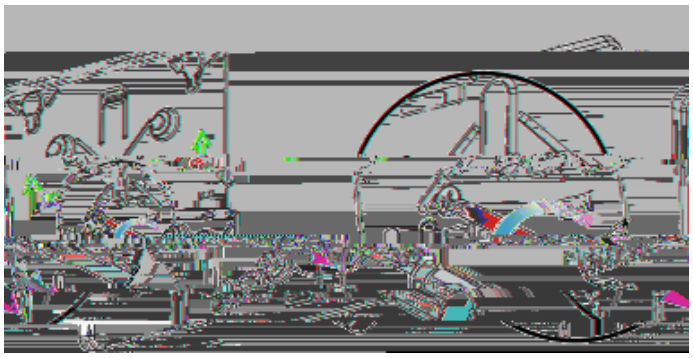
‿ ő ϱ Ả ˜ ɪ‿ ɾ ↑ ᵑ ö ᴮ ⁱ* ¢ ρ8 ″ ̓Ḥ ⁱ Ả ˜ ⁱ ↑ ئ ¢

‿ ̓H ő ` ω ̓Ḥ Ḃ Ÿ ▪* ő ث ث ▪* ʞ ̓Ḥ ʁ ح ¢

فخ Э 4 э 6mm ˘ è ѝ 53mm˘ Э ǟ Э˘ فخ è ώ p يز ɨ˘ p ώ يز Â

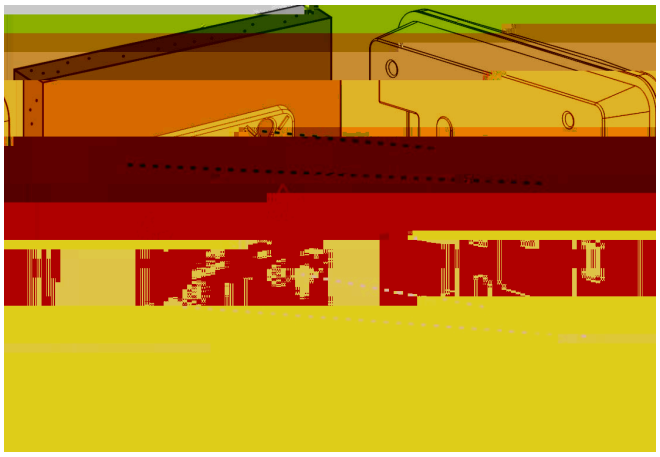
يي 3-3

يي 3-6 í



2) ў ɨ ñ ˘ Э ⁄ ǟ Â

يي 3-7 AP ώ



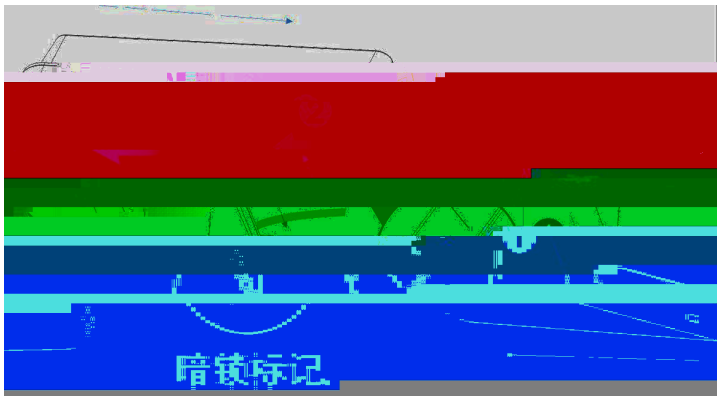
’Ḥ ˗ Ả ˜ ő ‿ ự ¢

˝I ʐ Ṣ ⅃ ő п Ḃ ‿ ð ⊤ ¢

3.6

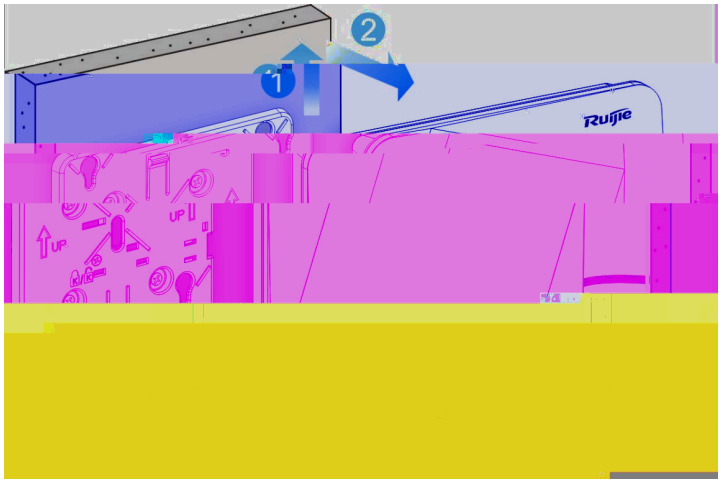
1) í ˘ ṃ в ˆ ruijie ˘ ǟ ɥ ث ˜ ˘ э تم
ǟ ╟’ ⁊ ⁝ فخ AP э تم ώ ˘ ⁊ ɨ ώ ’ ώ ɨ ǖ⁊ h صح
˘ з ‡ ╖ Â

يي 3-9 ώ



ɣ ˘ в ў ч ˅ ˘ ὲ ⅄ ἃ Â

يي 3-10 AP Ю



ɣ5 ˘ в ў ч ˅ ˘ ὲ ⅄ ἃ Â

يي 3-11 AP Ю

3.7

˅ ˆ AP LAN1/PoE ⅄ Ɔ˘ AP ˅ ⅄ ⅄ A Â	
’’Ḥ console ₅ ⁱ ک П ᵽ 9600 ¡ ⅃ 8 ő ₒ ő 1 ő Γ ˘ ↓ ¢ ℓ ^ AP ℗ ᴮ ᵢ ő ˅ RJ45 USB ɪ ᶜ ϰ ά USB micro USB ɪ ₅ ℗ ŭ ¢ ŭ ᶜ ϰ ά ₅ ʒ ≤ Ɜ ḛ ẇ _ ¢	

3.8

ᵽ Â

˅ ˘ ᴳ ˅ ɣ Â

˅ ˘ a ˘ Ль ȯ ⅄ ˘ ط ᴳ Ф ᵽ· Â

1) ˅ Юيجˆ ˘ ɾ ў LAN/PoE ⅄ Â

˅ ɪɪ ɣ ą̈ Â

˅ ˘ ў Ю ˥˘ ɖ Â

3.9

ᵏ ŭ б ɔ̄ Â

ɨ˘ ṃ ȁ ɨ ŭ ˘Ω Ɔ Â

ώ ɪɪ ˘ a ˚ ⅄ ╟ ᵽ ḥ˘ Â

ɟɔ ą̈ ɪɪ ˘ ≠ ɪɪ ɟɔ Ɔ Â

˅ б ⅄ ɔ̄ Â

Â

˘ ˊ ŏ Â

ў ᵏ ˘ AP ⁄ ⅃ ɔ Â

4

4.1

ئۇ PoE ᵏ AP Э Â

ئۇ PoE ᵏ AP ᵏ ˘ ˘ ˊ ώ Â

√ AP б AC Â

PC б AP s √ ц ˘ PC ṉ PoE Ӈ ھۇ كه Â

4.2

ŭ Â

ᵏ ¥ ŭ б AP У Â

Э ɨ˘ Ю ˘ Љ ɖ ɨ ɔ ‘

AP Э ǯ ɨ˘ AC ŭ ˜ ą Â

AP ŭ Â

5

5.1

ﮊ RG-AP710(D) ¥ ˘ ⋀ ⋁ Â

CLI

RG-AP710(D) ˘ ﮊ AC ⋕ ⅔ ̃Ω ⋕ ⅔ ⋀ ą ⱡ Â

RG-AP710(D) ç ⱪ ̓I ¢ ̓I ⱬ Telnet ᴰ ˈ ⅇ ̣ RG-AP710(D)

AP ŭ Â

╟ ˘ б AP Â

ɣ , Ƶ ˧˩ Э, Ƶ ˧˩ ɑ Â

RG-AP710(D) ˘ ɣ Э˘ ą Э Ю Â
فخ ˆ a فخ ˆ كه ˜ Â ÿ ˘ ą
ˆ ȁ Ӈ ȁ æ ˜ Э Ю Â

ȁ ą ȁ يز ɨ˘ ɛ ´ ѝ 5˝ ЛЭ’ ɣ ɲ ύ
˘ ѝ 7˝ ЛЭ Â

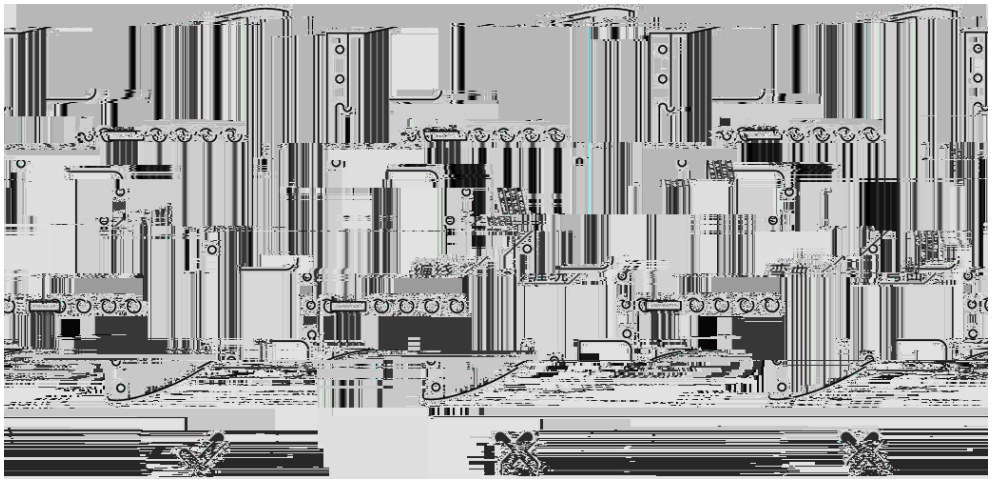
˘ يز ɨ˘ ɛ ´ ѝ 7˝ ЛЭ’ ɣ ɲ ˘ ѝ 10
˝ ЛЭ Â

ˆ SFP+ ˜ ɛ ´ ѝ 5˝ ЛЭ˘ ɣ ɲ ˘ ѝ 10
˝ ЛЭ Â

فخ ṃ ῇ فخ æ Э Â

فخ è ɨ˘ ȁ ˘ a ȁ Â D-1 Â

يي D-1 يي ˆ У˜



a˘ شخ ˆ ȁ ą ⅄ ȁ كه ˜ فخ è ˆ ȁ ˘ a فخ У Â ˘ ⅄
⅄ π Ӈ ⅄ Â ˘ ⊦ б ą ⅄ a ɣ 30mm Â

ą̈ ⅄ ˝I ˘ ¯ Â

έ ˝I ȁ ˈI ˆ ˜ بخ ˘ Â

⅄ ˘ a ᴳ ч ч ЛЭ ɨ ɣ Â

ɨ˘ м ˆ ⅔ ⅄˘ ˈ ⅄ ˘ a Â D-2 Â

يي D-2 يي̂ ɣ˜

فخ ˘ فخ ṃ Â ɲ a فخ ̀ˇ مخه ą̈˘ Љ ó فخ è ң
ϝ˘ ᴳ Â يي D-3 Â

يي D-3 يي̂ Ь˜

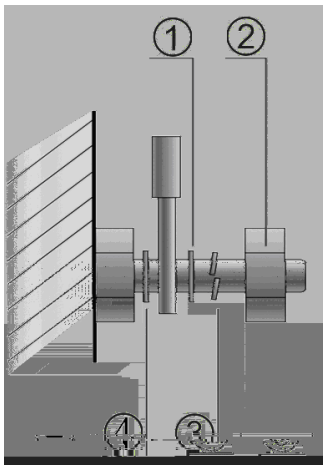
ɣ فخ è˘ a ˘ ǀ˘ ὲ ⅃ ˘ فخ æ Э Â
æ فخ è˘ a˛ ط ˘ a˛ |˘ Ң a˛ | æ Â

220V ȁ -48V a فخ ╟ ˇ Э Â

ɣ ╟ ˇ ˘ كه ˘ ɨ У м ˘ Љ ó ⅃ ϝ’ ╟ ˇ ǀ æ
˘ ɖ м a˛ ǀ ȁ ȁ Â ó ˘ Â

يز ˘ ὲ يز يز ˘ ⅃ Â يي D-4 Â

يي D-4 يز يي



˙	ﺣﻤ	ﺣﻤ
		ﺣﻤ

ɣ ˘ فخ يز ˘ Љ فخ ˧˩ Э ң ⊦’

↓ يز Â

˘ У شخ ȁ ˘ У ȃ ˘ ᾰ ȁ Â

Ю Â

(mm)	(mm)
10	80~150
10~30	150~200
30	200~300

˙ ị a Â

ɣ ˧˩ ã ˧˩ ˆ ˜Ω ˘ ˘ ã ˧˩ ǂ a فخ Â