RG-T01

V1.00

1

RG-T01 ‟ ″I ∧ ŋǔ à æ ℸ à ɲɪ ɔ à ɲɪ ɔ Ч ώ˘
ᵏ ɷ /æ à ɔ ∧ ´ ث ’ ˝ IEEE 802.3 10Base-T˝ IEEE 802.3u 100Base-TX ɲ 100Base-FX
ñ˘ 10/100M à ŏ/´ ∨ à /Ɥ ∨ ˘ ᵏ ɷ ò ’ ` ∨ ă ˘ ∧ ɲ ч э
ă ᴳ a˚ è ˘ ÿ ″I ą ∧ ƒ˚ У ″I ą̈ ∨ ă· ˘ ɷ ″I ÂRG-T01 ‟ يز ط à ˘
ح à Ɥ à ɲ è ы Â

RG-T01 ‟ ″I ∧ ŋǔ ^ Ю ů ң ث’

ң ш ѣ ∧	100Base-FX ∧	10/100Base-T Л Ъ ∧	″I ∧ ɔ ^ ` æ’ nm˜	″I ∧ ɔ	″I ∧ ·
RG-T011-FE20-SM1310 V1.XX	1	1	1310TX/1550RX	` ∨ ă	20km
RG-T011-FE20-SM1550 V1.XX	1	1	1310TX/1550RX	` ∨ ă	20km
RG-T011-FE40-SM1310 V1.XX	1	1	1310TX/1550RX	` ∨ ă	40km
RG-T011-FE40-SM1550 V1.XX	1	1	1550TX/1310RX	` ∨ ă	40km
RG-T012-FE20-SM1310 V1.XX	1	2	1310TX/1550RX	` ∨ ă	20km
RG-T012-FE20-SM1550 V1.XX	1	2	1550TX/1310RX	` ∨ ă	20km
RG-T014-FE25-SM1310 V1.XX	1	4	1310TX/1550RX	` ∨ ă	25km
RG-T014-FE25-SM1550 V1.XX	1	4	1550TX/1310RX	` ∨ ă	25km

RG-T01 1310TX/1550RX
1550TX/1310RX 1310TX/1550RX
1550TX/1310RX

1.1 RG-T011-FE20-SM1310

ң ш ѣ ∧	RG-T011-FE20-SM1310
SC ″I ∧	100Base-X
″I ∧ ɔ	

˝I ˄	FRX		˝I
		ă	˝I ˘ ·
			˝I ˘ فخ·
˄	TRX		˄ Link
		ă	˄ link˘ ·
			˄ link˘ فخ·
10/100M	10/100		˝I ˄ ئؤ ˝Ω فخ 10M
		ă	˝I ˄ ئؤ ˝Ω فخ 100M
˝I ˄ ą ˄	FPL		˝I ˄ ˝I ą ˄
		ă	˝I ˄ ˆ ώ ˝I ą ˄
˄	FDX		˄ ɔ ѝ ´ ˅
		ă	˄ ˄ ɔ ѝ ώ ˅

1.3 RG-T011-FE40-SM1310

RG-T01 A

RG-T011-FE40-SM1310

RG-T011-FE40-SM1310 ˝I ٨ ئؤ ṁ k 1 э 10/100Base-T Љ ٨ ȁ 1 э ˝I SC ˝I ٨˘ ɨ k Ӈ ώ ٨ ȁ ˜Ω Â

يي 1-5RG-T011-FE40-SM1310 ṁ يي

يي 1-6RG-T011-FE40-SM1310 ɨ يي

RG-T011-FE40-SM1310 ˝I ٨ ئؤ Ӈ ώ Â

Ӈ ˆ AC˜ ώ˙

٧ ٮز˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T011-FE40-SM1310 ˘ ѝ ɖ ˘ ﻫ ˘ ﻫ ч ˇ 10cm ˘ Љ ﻫ ¥ Â ˆ 3 э У ˜˘ ó Э Â

			ǖ Ѭ
	POW		˝I ⅄ ئؤ Э
		ă	˘ ᵏ
˝I ⅄	FRX		˝I
		ă	˝I ˘ ·
			˝I ˘ ﻫ·
⅄	TRX		⅄ Link
		ă	⅄ link˘ ·
			⅄ link˘ ﻫ·
10/100M	10/100		˝I ⅄ ئؤ ˝Ω ﻫ 10M
		ă	˝I ⅄ ئؤ ˝Ω ﻫ 100M
˝I ⅄ ą ⅄	FPL		˝I ⅄ ˝I ą ⅄
		ă	˝I ⅄ ˆ ώ ˝I ą ⅄

ɔ	-20ºC ↑ 60ºC
ẏ	-25ºC↑ 85ºC
ɔ ˊ	10% ↑ 90% RH
ẏ ˊ	5% ↑ 90% RH
EMC	GB9254-2008
	GB4943-2011
ˆ × × ˜ ˆ ` Æˊ mm˜	140× 110× 29
ˆ ` Æˊ kg˜	0.5

RG-T01 A

RG-T011-FE40-SM1550

RG-T011-FE40-SM1550 ˝I ˆ ئۇ ṃ k 1 э 10/100Base-T Љ ˆ ȁ 1 э ˝I SC ˝I ˆ˜ ɨ k Ӈ ώ ˆ ȁ ˜Ω Â

يي 1-7 RG-T011-FE40-SM1550 ṃ يي

يي 1-8RG-T011-FE40-SM1550 ɨ يي

RG-T011-FE40-SM1550 ˝I ˆ ئۇ Ӈ ώ Â

Ӈ ˆ AC˜ ώ˙

˥ ˙ ˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

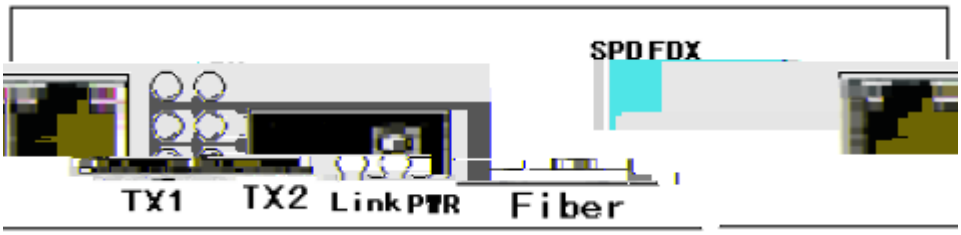
RG-T011-FE40-SM1550 ˘ ѝ ɖ ˘ ˙ ˘ ˙ ч ˅ 10cm ˘ Ѣ ɟ
ɣ Â ˆ 3 э У ˜˜ ó Э Â

			ǖ Ѭ
	POW		˝I ˆ ئۇ Э
		ă	˘ ˅
˝I ˆ	FRX		˝I
		ă	˝I ˘ ˙
			˝I ˘ ˙
ˆ	TRX		ˆ Link
		ă	ˆ link˘ ˙
			ˆ link˘ ˙
10/100M	10/100		˝I ˆ ئۇ ˝Ω ˙ 10M
		ă	˝I ˆ ئۇ ˝Ω ˙ 100M
˝I ˆ ą ˆ	FPL		˝I ˆ ˝I ą ˆ
		ă	˝I ˆ ˆ ώ ˝I ą ˆ
ˆ	FDX		ˆ ɔ ѝ ´ ˇ
		ă	ˆ ˆ ɔ ѝ ώ ˇ

1.5 RG-T012-FE20-SM1310

Ҥ ث خ ش ٨	RG-T012-FE20-SM1310
SC ˝I ٨	100Base-X
˝I ٨ ɔ ˆ ` Æ˛ nm˜	1310TX/1550RX
˝I ٨·	` ˝I 20km
٨ ˝I ╖	-20˙ -8dBm
	Ů-32 dBm
	Ӈ ˆ AC˜ ώ˛ ٧ ٮز˛ 100-240V~ ˛ 50/60Hz ˛ 1A
╖	5W
ɔ	-20ºC ↑ 60ºC
ẏ	-25ºC↑ 85ºC
ɔ ˛	10% ↑ 90% RH
ẏ ˛	5% ↑ 90% RH
EMC	GB9254-2008
	GB4943-2011
ˆ × × ˜ ˆ ` Æ˛ mm˜	140× 120×30
ˆ ` Æ˛ kg˜	0.5

RG-T01 A



يي 1-10RG-T012-FE20-SM1310 ɨ يي

RG-T012-FE20-SM1310 ˝I ⅄ ئۇ Ӈ ώ Â

Ӈ ˆ AC˜ ώ˙

⅄ ⅄ˊ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T012-FE20-SM1310 ˘ ѝ ɖ ˘ ⅄ ˘ ⅄ ч ˅ 10cm ˘ Љ ɨ

ɣ Â ˆ 3 э У ˜˜ ó Э Â

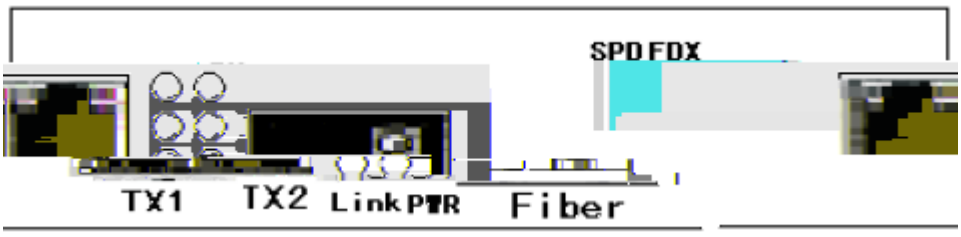
			ǖ Ѭ
	PWR		˝I ⅄ ئۇ Э
		ă	˘ ᵏ
˝I ⅄	Link		˝I
		ă	˝I ˘ ·
			˝I ˘ ⅄·
⅄ 1	SPD˜ ˜		⅄ 1 ɔ ⅄ 10M
		ă	⅄ 1 ɔ ⅄ 100M
⅄ 1	FDX˜ ˜		⅄ 1 ɔ ⅄´ ⅄

		ă	˅ 1 ɔ ﻓﺨ ﻱ ˅
˅ 2	SPD ˆ è ˜		˅ 2 ɔ ﻓﺨ 10M
		ă	˅ 2 ɔ ﻓﺨ 100M
˅ 2	FDX ˆ è ˜		˅ 2 ɔ ﻓﺨ ´ ˅
		ă	˅ 2 ɔ ﻓﺨ ﻱ ˅

1.6 RG-T012-FE20-SM1550

ɥ ث ﺷﺨ ˅	RG-T012-FE20-SM1550
SC ˝I ˅	

يي 1-11 RG-T012-FE20-SM1550 ṃ يي



يي 1-12RG-T012-FE20-SM1550 ɨ يي

RG-T012-FE20-SM1550 ˝I ٨ ئؤ Ӈ ώ Â

Ӈ ˆ AC˜ ώ˙

٧ ٮز˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T012-FE20-SM1550 ˘ ѝ ɖ ˘ ڧ ˘ ڧ ч ˇ 10cm ˘ Љ ɨ

¥ Â ˆ 3 э У ˜˜ ó Э Â

			ǖ Ѭ
	PWR		˝I ٨ ئؤ Э
		ă	˘ ᵏ
˝I ٨	Link		˝I
		ă	˝I ˘ ˙

			˝I ˘ فخ·

٨ 1 SPD˘ ˜

٨ 1 ɔ فخ 10M

RG-T014-FE25-SM1310 ˝I ٨ ئؤ ṃ ᵏ 1 э 10/100Base-T Љ ٨ ȁ 1 э ˝I SC ˝I ٨˘ ɨ ᵏ Ӈ ώ ٨ ȁ ˜Ω Â

يي 1-13RG-T014-FE25-SM1310 ṃ يي

يي 1-14RG-T014-FE25-SM1310 ɨ يي

RG-T014-FE25-SM1310 ˝I ٨ ئؤ Ӈ ώ Â

Ӈ ˆ AC˜ ώ˙

٧ ٮز˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T014-FE25-SM1310 ˘ ѝ ɗ ˘ ڧ ˘ ڧ ч ᵛ 10cm ˘ Љ ɨ ɣ Â ˆ 3 э У ˜˘ ȯ Э Â

			ﺑﻴﺎﻧﺎﺕ
ﻯ 1	ETH1 SPD		ﻯ 1 ɔ ﻓﺨ 10M
		ă	ﻯ 1 ɔ ﻓﺨ 100M
ﻯ 2	ETH2 SPD		ﻯ 2 ɔ ﻓﺨ 10M
		ă	ﻯ 2 ɔ ﻓﺨ 100M
ﻯ 3	ETH3 SPD		ﻯ 3 ɔ ﻓﺨ 10M
		ă	ﻯ 3 ɔ ﻓﺨ 100M
ﻯ 4	ETH4 SPD		ﻯ 4 ɔ ﻓﺨ 10M
		ă	ﻯ 4 ɔ ﻓﺨ 100M
ﻯ 1	ETH1 DUP		ﻯ 1 ɔ ﻓﺨ ´ ﻝ
		ă	ﻯ 1 ɔ ﻓﺨ ﷺ ﻝ
ﻯ 2	ETH2 DUP		ﻯ 2 ɔ ﻓﺨ ´ ﻝ
		ă	ﻯ 2 ɔ ﻓﺨ ﷺ ﻝ
ﻯ 3	ETH3 DUP		ﻯ 3 ɔ ﻓﺨ ´ ﻝ
		ă	ﻯ 3 ɔ ﻓﺨ ﷺ ﻝ
ﻯ 4	ETH4 DUP		ﻯ 4 ɔ ﻓﺨ ´ ﻝ
		ă	ﻯ 4 ɔ ﻓﺨ ﷺ ﻝ
ﻯ 1	ETH1 LINK		ﻯ 1 link up
		ă	ﻯ 1 link up
ﻯ 2	ETH2 LINK		ﻯ 2 link up
		ă	ﻯ 2 link up
ﻯ 3	ETH3 LINK		ﻯ 3 link up
		ă	ﻯ 3 link up
ﻯ 4	ETH4 LINK		ﻯ 4 link up
		ă	ﻯ 4 link up
″I ﻯ	FLink		″I ﻯ link up
		ă	″I ﻯ link up
	PWR		″I ﻯ ﺋﺆ Ɔ
		ă	˘ k

ﻲ 1-15 RG-T014-FE25-SM1310 ﺞ ﻲ

ﺞ	ﺎﻟ ﻝ

1	˜Ω˙ OFF:˜Ω ( )˘ ON: í
2	FX1 ˆ ˝I ˙ OFF:˜Ω ( )˘ ON: í
3	ھ ھ ◻ ˜Ω˙ OFF: ◻ 300s( )˘ ON:˜Ω
4	˙ ON˙ 1552 bytes˘ OFF : 1536 bytes ( )
5	ˆ ˥ (0180c20002~f) ˙ ON: ˆ ˘ OFF : ˆ ˆ ( )
6	IEEE802.3X/ ˆ ˜Ω˙ ON: í ( )˘ OFF : ˜Ω
7	˜Ω˙ ON: í (˜ ˘ OFF : ˜Ω ˥ í ˘ ɑ /˜Ω ˘ ╟ LED Â LED˛ ˆ 2 / ˜Ω˜ ˘ ə˛ ˆ ə˛ ئۇ æ ¥ ḣ .
8	ɖ ˜Ω˙ ON: ˘ OFF : ˜Ω (˜ ˥ ɨ˛ x ˆ Â

1.8 RG-T014-FE25-SM1550

Ɥ ث خ ش ˆ	RG-T014-FE25-SM1550
SC ˝I ˆ	100Base-X
˝I ˆ ɔ ˆ ` Æ˙ nm˜	1550TX/1310RX
˝I ˆ·	` ˝I 25km
ˆ ˝I ˥	-16˙ -8dBm
	Ů-32 dBm
	Ɥ ˆ AC˜ ώ˙ ˆ ˙ 100-240V~ ˙ 50/60Hz ˙ 1A
˥	5W
ɔ	-20ºC ˆ 60ºC
ẏ	-25ºC ˆ 85ºC
ɔ ˙	10% ˆ 90% RH
ẏ ˙	5% ˆ 90% RH

RG

ˊ 50/60Hz

ˊ 1A

ˊ 10A

RG-T014-FE25-SM1550 ˘ ѝ ɖ ˘ ﻓﺨ ˘ ﻓﺨ ч ˅ 10cm ˘ Љ ﺋ ¥ Â ˆ 3 э У ˜˜ ó Э Â

x7$„’>ñû ,!ÀQ• 'AAÀQgð Ugp

يي 1-18 RG-T014-FE25-SM1310 ˜Ω يي

˜Ω	╖ ˧˩
1	˜Ω˙ OFF:˜Ω ( )˘ ON: í
2	FX1 ˧˩˛ ˝I ˙ OFF:˜Ω ( ) ˘ ON: í
3	كم هم □ ˜Ω˙ OFF: □ 300s( )˘ ON:˜Ω
4	˙ ON˙ 1552 bytes˘ OFF : 1536 bytes ( )
5	ˆ ╖ (0180c20002~f) ˙ ON: ˆ ˘ OFF : ǀ ٨ ( )
6	IEEE802.3X/ ˧˩ ˜Ω˙ ON: í ( )˘ OFF : ˜Ω
7	˜Ω˙ ON: í (˜ ˘ OFF : ˜Ω ╖ í ˘ ɑ /˜Ω ˘ ╟ LED Â LED ˛ ˆ 2 /˜Ω˜ ˘ ə˛ ˧ ə˛ ئؤ æ ¥ ḣ .
8	ɖ ˜Ω˙ ON: ˘ OFF : ˜Ω (˜ ╖ ɨ˛ x ˆ Â

2

2.2.3

У ˜ Â ą̈ ﻫﺫ ᴇ Ɜ˘ ٨ Ʌ ʒ ˘ ᴳ a ˘ ɛ̀ ﻫﺫ ą̈ Ļ

æ ą Ю˘ ʒ ˘ a ɲ ط ʖ˘ ʒ ą Â ą̈ ʊ̈ ٧ ʿ

	` Æ	ʊ̈
ˆ ů 0.5 ë m˜	/m^3	Ů 3.5×10 ^{6}

2.2.7 EMI

ˏ ˘ ˘ ą̈ ˘ Ƶ ˊ ˘ ˊ ˘ ·
ң ط Â

ǂ ѝ ч ˊ ɲ· ˘ · ش Â

У э ئۇ ˇ ˆ ˘ ˘ ǂ ئۇ ˘ ѝ Â ˆ Ƶ ˆ è У
ǂ ˘ ≠ ˆ Ƶ ώ ` ĩ Â· ң ژ ѝ б ئۇ ǯ ą ˆ ˘ ÿ У
э ` ĩ · ǂ ˏ У э ` ĩ Â· ˛ ط ˘ ˆ Ƶ ئۇ ⁸ Â ط è ˙ ị ą ˆ
˘ è Â

ᵏ ˆ Â

˝I ˆ ئۇ ɔ ک а б ⊦ ک ɲ ک ˊ ˘ ˆ У Ę Â

ˆ ˆ˘ ˆ ˆ˘ Â

Â

2.3

˝I ṃ˘ ˝I ئۇ ش ɲ ˝I ŭ̈ б ˝I ˆ ش ˘ ˚ ˝I ˆ ɔ ŭ̈
˘ ˝I ˆ ɔ ѝ 1310TX/1550RX nm˘ ˝I ˆ ɔ ѝ 1550TX/1310RX nm Â а
˝I Â

2.4

έ ɢ `

έ	π р ȁ У р ȁ Ώ ɲ ˝I ȁ Э ȁ ˆ ȁ
ж έ	έ C `>r¯Á;•t°

3.3 RG-

G Э Â

ɖ ɨ Â

˝I ⅄ ئؤ a Â

فخ Ƨ نز ˆ 10 ⅄ Ƶ Э˜ Ƶ ɖ ˘ ↓ ﻫ Â

˝I ⅄ ئؤ ɔ كه ˥ ⅄ ⅄ à ⅄ ⅄ à ’ ⅄ ˘
⅄ Â

⅄ فخ ɑ̈ ˘ ˘ Ƶ ثز ɥ ⅄ à ɐ ⅄ ⅄ ﻫ Â

3.4

كه ʊ̆ ’

à ώ ˜Ω ʊ̆ ’

⅄ ʊ̆ فخ ɑ̈ ˘ ’ ɑ˘ ʊ̆ ɑ Ɉ à
⅄ ئؤ ’

Ƨ نز ˆ 10 ⅄ Ƶ Э˜ Â

5

5.1

5.2

	˄ ˅ ژ	ᾱ ᾱ
PWR	k ╟ Ω̃ ɣ OFF æ	k ʊ̃ ˘ б ˝I ˄ ئۇ ╟˘ ˝I ˄ ئۇ Ω̃ ʊ̃ ɣ ON æ
RJ45 ˄ ˄	˅ ’ 100 ’ ˄ ˘ б ц Ӈ Ω̃ ˘ ɔ ’	˅ ’ ˄ ˘ ʊ̃ б ц Ӈ Ω̃ ɔ ’
˝I ˄	˄ ’	˝I ˄ ’

	ц ˝I ˆ ɔ a ˈ ˝I شخ a ˊ ˈ ˝I ˝I ˆ ئؤ ï ˈ	ѝ ɔ ˝I ˆ ئؤ ˝I ˇيم ˆ ɔ ѝ 1310TX/1550RX nmˇ ц ˝I ˆ ɔ ѝ 1550TX/1310RX nmˈ ѝ ˊ ˝I ˈ ˊ ˝I ˈ

A

100BASE-TX/10BASE-T

100BASE-TX/10BASE-T ч ⅄˘ فذ ч Ю ╟ MDI/MDIX Crossover ╖ Â

1000BASE-T ˊ