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 ﻥ	FRX		″I
		ă	″I ˇ ·
			″I ˇ ﻓﺧ·
ﻥ	TRX		ﻥ Link
		ă	ﻥ link˘ ·
			ﻥ link˘ ﻓﺧ·
10/100M	10/100		″I ﻥ ﺋﯗ″Ω ﻓﺧ 10M
		ă	″I ﻥ ﺋﯗ″Ω ﻓﺧ 100M
″I ﻥ ą ﻥ	FPL		″I ﻥ ″I ą ﻥ
		ă	″I ﻥ ∫ ώ ″I ą ﻥ
ﻥ	FDX		ﻥ ɔ ѝ´ ﻝ
		ă	ﻥ ﻥ ɔ ѝ ŏ ﻝ

1.3 RG-T011-FE40-SM1310

RG-T01 A

RG-T011-FE40-SM1310

RG-T011-FE40-SM1310 ˝I ٨ ئؤ ɱ ᵏ 1 ɜ 10/100Base-T Ⱡъ ٨ ȁ1 ɜ ˝I SC ˝I ٨˘ ɨ ᵏ Ɦ
ώ ٨ ȁ ℨΩ Â

ﻲﻲ 1-5RG-T011-FE40-SM1310 ɱ ﻲﻲ

ﻲﻲ 1-6RG-T011-FE40-SM1310 ɨ ﻲﻲ

RG-T011-FE40-SM1310 ˝I ٨ ئؤ Ɦ ώ Â

Ɦ ˆ AC˜ ώ˙

٧ ﻧز˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T011-FE40-SM1310 ˘ ŭ ɖ ˘ ƶɸ ˘ ƶɸ ч ᵛ 10cm ˘ Лъ ₰
ɣ Â ^ 3 ɜ У ˜˜ ȯ Э Â

			ŭ ŁŘ
	POW		˝I ∧ ŋŲ Э
		ă	˘ k
˝I ∧	FRX		˝I
		ă	˝I ˘ ·
			˝I ˘ ƶɸ·
∧	TRX		∧ Link
		ă	∧ linƙ ·
			∧ linƙ ƶɸ·
10/100M	10/100		˝I ∧ ŋŲ ˝Ω ƶɸ 10M
		ă	˝I ∧ ŋŲ ˝Ω ƶɸ 100M
˝I ∧ ą ∧	FPL		˝I ∧ ˝I ą ∧
		ă	˝I ∧ ∫ ώ ˝I ą ∧

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

RG-T01 A

RG-T011-FE40-SM1550

RG-T011-FE40-SM1550 ˝I ٨ ŋǔ ṁ ᵏ 1 ɘ 10/100Base-T Ⱦ ٨ à 1 ɘ ˝I SC ˝I ٨˘ ɨ ᵏ Ɥ ώ ٨ à ˁΩ Â

يي 1-7 RG-T011-FE40-SM1550 ṁ يي

يي 1-8RG-T011-FE40-SM1550 ɨ يي

RG-T011-FE40-SM1550 ″I ∧ ﬠ Ђ ώ Â

Ђ ^ AC˜ ώ'

∨ ﬡ' 100-240V~

' 50/60Hz

' 1A

' 10A

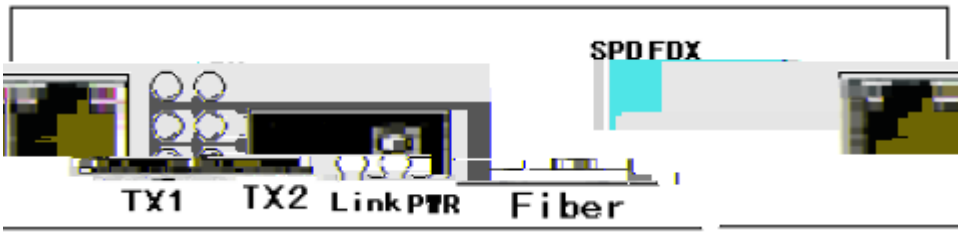
RG-T011-FE40-SM1550 ˘ й ƈ ˘ ﬡ ˘ ﬡ ч v 10cm ˘ Љ ѧ ұ Â ^ 3 э У ˜˜ ȯ Э Â

			ŭ Ⱬ
	POW		″I ∧ ﬠ Э
		ă	˘ k
″I ∧	FRX		″I
		ă	″I ˘ ·
			″I ˘ ﬡ·
∧	TRX		∧ Link
		ă	∧ link˘ ·
			∧ link˘ ﬡ·
10/100M	10/100		″I ∧ ﬠ ″Ω ﬡ 10M
		ă	″I ∧ ﬠ ″Ω ﬡ 100M
″I ∧ ą ∧	FPL		″I ∧ ″I ą ∧
		ă	″I ∧ ∫ ώ ″I ą ∧
∧	FDX		∧ ɔ ѝ ´ ∨
		ă	∧ ∧ ɔ ѝ ŏ ∨

1.5 RG-T012-FE20-SM1310

ҥ ﺵﺥﺙ ﻥ	RG-T012-FE20-SM1310
SC ″I ﻥ	100Base-X
″I ﻥ ɔ ˆ ` Æ‘ nm˜	1310TX/1550RX
″I ﻥ·	` ″I 20km
ﻥ ″I ╖	-20˙ -8dBm
	Ů-32 dBm
	Ɦ ˆ AC˜ ώ‘ ﻧ ﺗز‘ 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 ŧ يي

RG-T012-FE20-SM1310 ˝I Л ŋŭ Ђ ώ Â

Ђ ^ AC˜ ώ'

Ч ŋŭ' 100-240V~

' 50/60Hz

' 1A

' 10A

RG-T012-FE20-SM1310 ˘ ŋŭ ˘ ŋŭ ˘ ŋŭ ч v 10cm ˘ Љ ŧ

ų Â ^ 3 э У ˜˜ ó Э Â

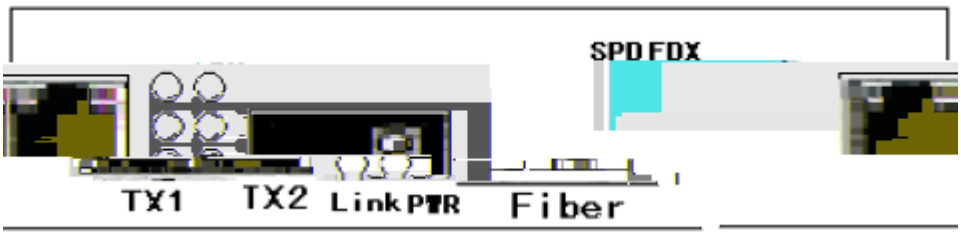
			ŭ Ђ
	PWR		˝I Л ŋŭ Э
		ă	˘ k
˝I Л	Link		˝I
		ă	˝I ˘ .
			˝I ˘ ŋŭ·
Л 1	SPD˜ ˜		Л 1 ɔ ŋŭ 10M
		ă	Л 1 ɔ ŋŭ 100M
Л 1	FDX˜ ˜		Л 1 ɔ ŋŭ´ ˥

		ă	ﻯ 1 ɔ ﻑ ﻭ ﻯ
ﻯ 2	SPD ˆ è ˜		ﻯ 2 ɔ ﻑ 10M
		ă	ﻯ 2 ɔ ﻑ 100M
ﻯ 2	FDX ˆ è ˜		ﻯ 2 ɔ ﻑ ´ ﻯ
		ă	ﻯ 2 ɔ ﻑ ﻭ ﻯ

1.6 RG-T012-FE20-SM1550

ʜ ﺵ ﺙ ﻯ	RG-T012-FE20-SM1550
SC ″I ﻯ	

ﻲﻴ 1-11 RG-T012-FE20-SM1550 ɱ ﻲﻴ



ﻲﻴ 1-12RG-T012-FE20-SM1550 ɨ ﻲﻴ

RG-T012-FE20-SM1550 ″I ٨ ؤ Ђ ώ Â

Ђ ^ AC~ ώ'

Ч ﻧ' 100-240V~

' 50/60Hz

' 1A

' 10A

RG-T012-FE20-SM1550 ˘ ѝ ɖ ˘ ﻓ ˘ ﻓ ч v 10cm ˘ Љ ѓ

ұ Â ^ 3 э У ˜˜ ȯ Э Â

			ŭ Ⱨ
	PWR		″I ٨ ؤ Э
		ă	˘ k
″I ٨	Link		″I
		ă	″I ˘ ·

			″I ˇ ﻓﺦ·

ﻯ 1 SPDˆ ˜ ﻯ 1 ɔ ﻓﺦ 10M

RG-T014-FE25-SM1310 ‴I ٨ ڤ ṁ ᵏ 1 ɜ 10/100Base-T Л ъ ٨ ą̀ 1 ɜ ‴I SC ‴I ٨˜ ɨ ᵏ Ђ
ώ ٨ ą̀ ℨΩ Â

ﻲﻲ 1-13RG-T014-FE25-SM1310 ṁ ﻲﻲ

ﻲﻲ 1-14RG-T014-FE25-SM1310 ɨ ﻲﻲ

RG-T014-FE25-SM1310 ‴I ٨ ڤ Ђ ώ Â

Ђ ˆ AC˜ ώ˙

٧ ﻧ˙ 100-240V~

˙ 50/60Hz

˙ 1A

˙ 10A

RG-T014-FE25-SM1310 ˘ ѝ ƈ ˘ ﻓ ˘ ﻓ ч ᵛ 10cm ˘ Л ъ ɾ
ɣ Â ˆ 3 ɜ 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	ٹۆ' OFF:ٹۆ ( )ˇ ON: í
2	FX1 ٨. "I ' OFF:ٹۆ ( )ˇ ON: í
3	ھ ھ ◘ ٹۆ' OFF: ◘ 300s( )ˇ ON:ٹۆ
4	' ON' 1552 bytesˇ OFF : 1536 bytes ( )
5	^ ℼ (0180c20002~f)' ON: ^ ˇ OFF : ĺ ٨ ( )
6	IEEE802.3X/ ٧ ٹۆ' ON: í ( )ˇ OFF : ٹۆ
7	ٹۆ' ON: í (~ ˇ OFF : ٹۆ ℼ í ˇ ɞ /ٹۆ ˇ ╟ LED Â LED ^ 2 /ٹۆ~ ˇ ą ٨ ą ئۆ æ ¥ ḣ.
8	ɖ ٹۆ' ON: ˇ OFF : ٹۆ (~ ℼ ł x ^ Â

1.8 RG-T014-FE25-SM1550

ҥ ش خ ٨	RG-T014-FE25-SM1550
SC "I ٨	100Base-X
"I ٨ ɔ ^ ` Æ' nm~	1550TX/1310RX
"I ٨·	` "I 25km
٨ "I ℼ	-16' -8dBm
	Ů-32 dBm
	Ɥ ^ AC~ ώ' ٧ تز' 100-240V~ ' 50/60Hz ' 1A
ℼ	5W
ɔ	-20ºC ↑ 60ºC
ẏ	-25ºC↑ 85ºC
ɔ '	10% ↑ 90% RH
ẏ '	5% ↑ 90% RH

RG

‘ 50/60Hz

‘ 1A

‘ 10A

RG-T014-FE25-SM1550 ˘ ѝ ґ ˘ ﻓﺨ ˘ ﻓﺨ ч ᵛ 10cm ˘ Љ ғ
ұ Â ^ 3 э У ˜˜ ȯ Э Â

x7$„'>ñû ,!ÀQ• 'AAÀQgð Ugp

يي 1-18 RG-T014-FE25-SM1310 ˇΩ يي

ˇΩ	╖ ٧
1	ˇΩ′ OFF:ˇΩ ( )ˇ ON: í
2	FX1 ٨. ″I ‘ OFF:ˇΩ ( ) ˇ ON: í
3	ىك هھ □ ˇΩ′ OFF: □ 300s( )ˇ ON:ˇΩ
4	‘ ON′ 1552 bytes˝ OFF : 1536 bytes ( )
5	ˆ ╖ (0180c20002~f) ‘ ON: ˆ ˇ OFF : ˛ ٨ ( )
6	IEEE802.3X/ ٧ ˇΩ′ ON: í ( )ˇ OFF : ˇΩ
7	ˇΩ′ ON: í (~ ˇ OFF : ˇΩ ╖ í ˇ ֍ /ˇΩ ˇ ╟ LED Â LED ˚ ˆ 2 /ˇΩ˜ ˇ ą ٨ ą ئۆ æ ¥ ḣ .
8	ɖ ˇΩ′ ON: ˇ OFF : ˇΩ (~ ╖ ł˚ x ˆ Â

2

2.2.3

У ˜ Â ą ﻫ ɛ Э˘ Л Ћ 5 ˘ G a ˘ è ﻫ ą Ļ
æ ą Ю 5 ˘ a Л˛ ﻁ Ƀ˘ з ą Â ą ǔ ﻝ ‘

	` Æ	ǔ
ˆ	ů 0.5 ë m˜	/m^3	Ů 3.5×10^{6}

2.2.7 EMI

ㅅ ˘ ˘ ą̈ ˘ Лъ ˇ ˘ ˇ ˘ .

ң ьÂ

ǐ ѝ ч ˈ ⊇· ˘ · ⇂ш Â

У э ŋǔ˚ ∧ ˘ ˘ ǐ ŋǔ ˘ ѝ Â ∧Лъ ∧ è У
ǐ ˘ ≠ ∧Лъ ѽ ` ĩ Â· ң ⇂ѭ ѝ б ŋǔ ǯ ą ∧ ˘ ÿ У
э ` ĩ· ǐ ㅅ У э ` ĩ Â· ˛ ь ˘ ∧Лъ ŋǔ ⁸ Â ь è ˙ ı ą ∧
˘ è Â

ᵏ ∧ Â

″I ∧ ŋǔ ↄ ка a б ғ ка ⊇ ка ˇ ˘ ∧ У ҷ Â

∧ ∧˘ ∧ ∧˘ Â

Â

2.3

″I ɱ˘ ″I ŋǔ ⇂ш ⊇ ″I ў̆ б ″I ㅅ ⇂ш ˘ ˚ ″I ㅅ ↄ ў̆
˘ ″I ㅅ ↄ ѝ 1310TX/1550RX nm˘ ″I ㅅ ↄ ѝ 1550TX/1310RX nmÂ a
″I Â

2.4

é ɢ `

é	π р à У р à ʗΩ ⊇ ″I à Э à ㅅ à
ж é	é C `>г¯Á;•t°

3.3 RG-

G Э Â

ɖ ɬ Â

″I ٨ ؤ a Â

ڂ Ƨ ɲ ^ 10 ٨ Ʌъ Э˜ Ʌъ ɖ ˘ ɬ ڌ Â

″I ٨ ؤ ɔ ك ٣ ٨ ٨ à ٨ ٨ à ’ ٨ ˘
٨ Â

٨ ڂ ƍ ˘ ˘ Ʌъ ɲ ɳ Ч à ą ٨ ٨ ﻣ Â

3.4

ك ŭ ’

à ώ ˜Ω ŭ ’

٨ ŭ ڂ ƍ ˘ ’ α˘ ŭ ɷ Ɥ à
٨ ؤ ’

Ƨ ɲ ^ 10 ٨ Ʌъ Э˜ Â

5

5.1

5.2

	∧ ∜ ŝr ∧	ᾱ ¬
PWR	ᵏ ╟ ẑΩ ¥ OFF Æ	ᵏ ŭ̆ ˘ б ″I ∧ ŋǔ ẑΩ ŋǔ ∧ I″ ˇ╢ ŭ̆ ¥ ON Æ
RJ45 ∧ ∧	∨ ’ 100 ’ ∧ ˘ б ц Ђ ″Ω ˇ ɔ ’	∨ ’ ∧ ˘ ŭ̆ б ц Ђ ″Ω̊ ɔ ’
″I ∧	∧ ’	″I ∧ ’

й ɔ ″I ﺉ ؤ ﺍ ″I ﻱﻡ ˇ ﺍ ɔ й 1310TX/1550RX nm ˇ ц ″I ﺍ ɔ й 1550TX/1310RX nm’ й ˇ ″I ’ ˇ ″I ’	ц ″I ﺍ ɔ a ’ ″I ﺵﺥ a ˇ ’ ″I ″I ﺉ ؤ ﺍ ï ’	

A

100BASE-TX/10BASE-T

100BASE-TX/10BASE-T ч ﻯˇ ﻓﺫ ч Ю ╠ MDI/MDIX Crossover ╗ Â

1000BASE-T ˝