• ´ Ñ *f*

copyright © 2022

± • Ñ *f*

Ý ÷ /(~ b e 7 û ë
+^ Ä Ñ Ý ÷ L(~ b e 7 û ë,ºB* D >

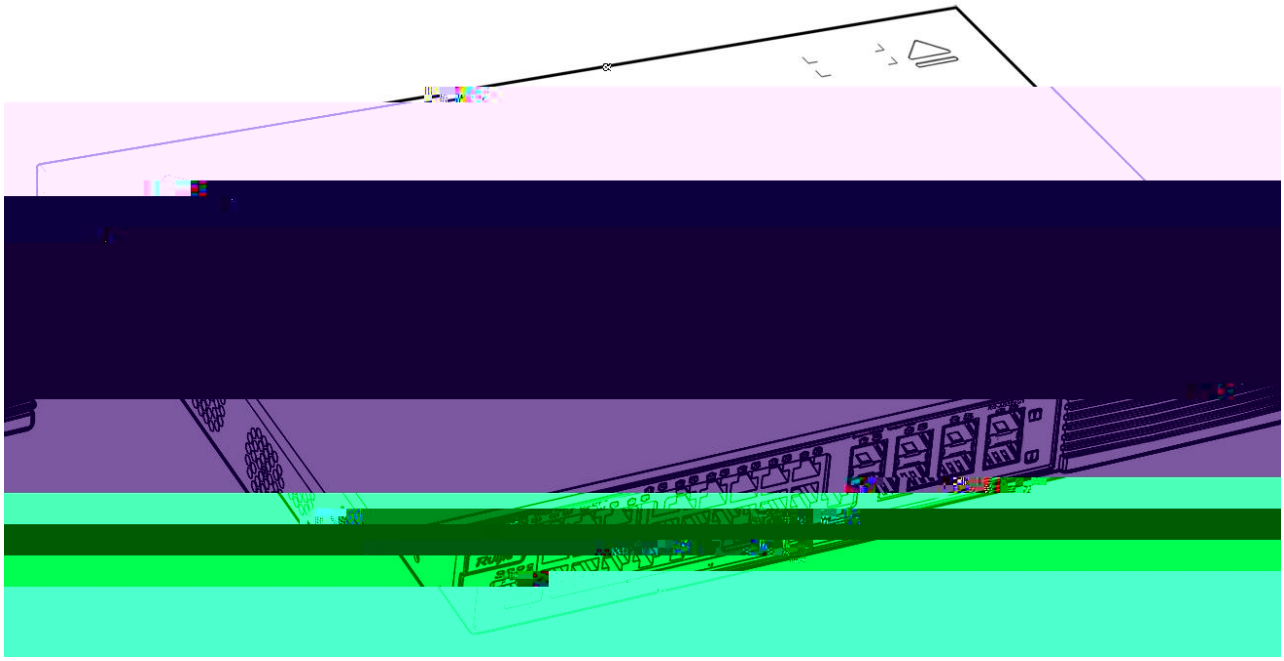
2. ý

Mini-GBIC-ZX80
Mini-GBIC-ZX100

■ 1000Base-T

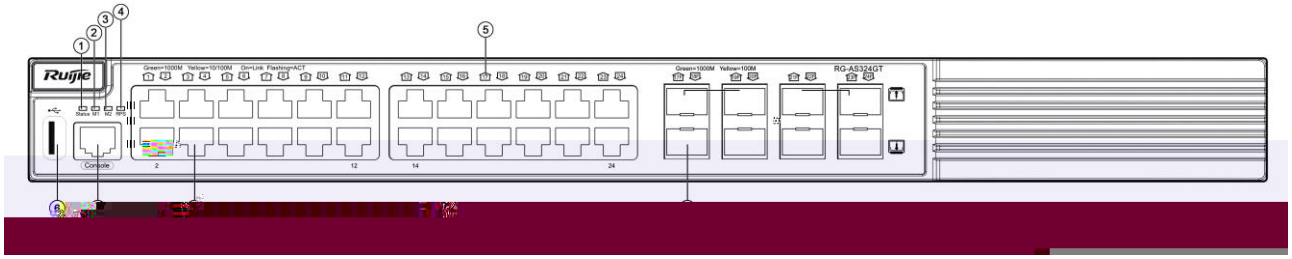
Mini-GBIC-GT

e 7,º • W •,º2± Á / Á - 'l ^ 75# * æ c ¸9 ÞM6?· * p ü.¤,º W • Á - ¸B-6Š31KF -5‡5 8 p ð Ž L ¶ e e 7 ð Ž >



ø „ Â

يد 1-2 RG-AS324GT ╠ يد



1		6	USB o
2	ضي 1 شجـ	7	Consoleo
3	ضي 2 شجـ	8	10/100/1000Base-T o
4	RPS	9	100/1000Base-X SFP o
5	o		

d „ Â

يد 1-3 RG-AS324GT U يد

Ê ™ Ô ~¿ ÓÍ•½

1	ض	4	RPS ٥
2	٥	5	1 شجـ
3		6	2 شجـ

			◦ 100/10M Ü

1.2 RG-AS348GT

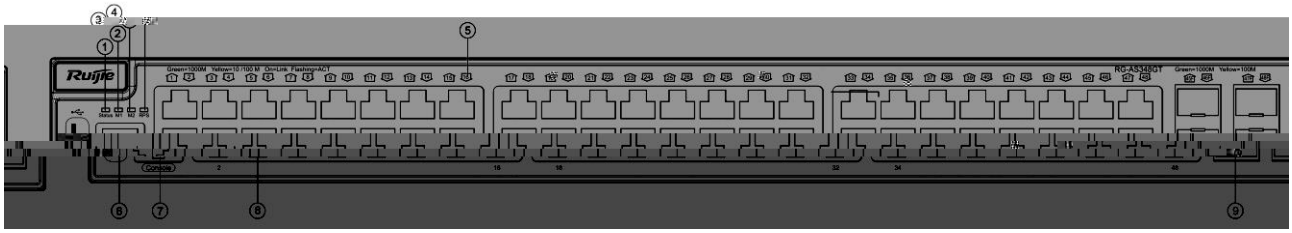
Pa

ج فمم	RG-AS348GT
CPU	CPU ا ﮎ 800M
BOOTROM	8M
Flash Memory	128M
SDRAM	DDRII 256MB
فمم شجـ	■ FE-SFP-LX-MM1310 FE-SFP-LH15-SM1310 FE2 449.69 re W* n BT /F1 9 Tf 1 0 0 1 204.41 522.07 Tm 0.2 g [(-)] TJ ET Q q 62 BD

RPS قمم	RG-RPS150
	AC ا مخ 100-240V~ ا مخ 90-264V~ 50/60Hz 2A ا HVDC ا مخ 192-290VDC مخ 0.7A-0.5A
w	82W شجـ 66W شجـ
	0℃ ∫ 50℃
	-40℃ ∫ 70℃

ø „ Â

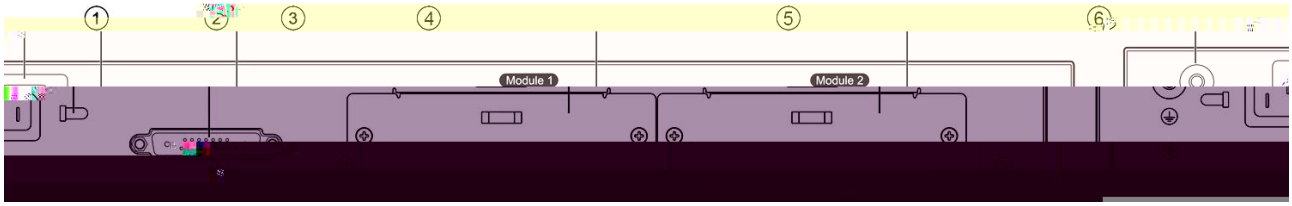
يح 1-6 RG-AS348GT ╠ يح



1		6	USB o
2	o 1 ضي	7	Console o
3	o 2 ضي	8	10/100/1000Base-T o
4	RPS	9	100/1000Base-X SFP o
5	o		

d „ Â

يح 1-7 RG-AS348GT U يح



1	ضر	4	RPS o
2	o	5	1 شجِ
3		6	2 شجِ

Ô |

RG-AS348GT ˜ Ï

AC

- ■ ا مذ 100-240V~
- ■ ا مذ 90-264V~
- ■ 50/60Hz
- ■ 2A
- ■ 10A

ا HVDC

■ ا مذ 192-290VDC

■ مذ 0.7A-0.5A

■ ا ضي

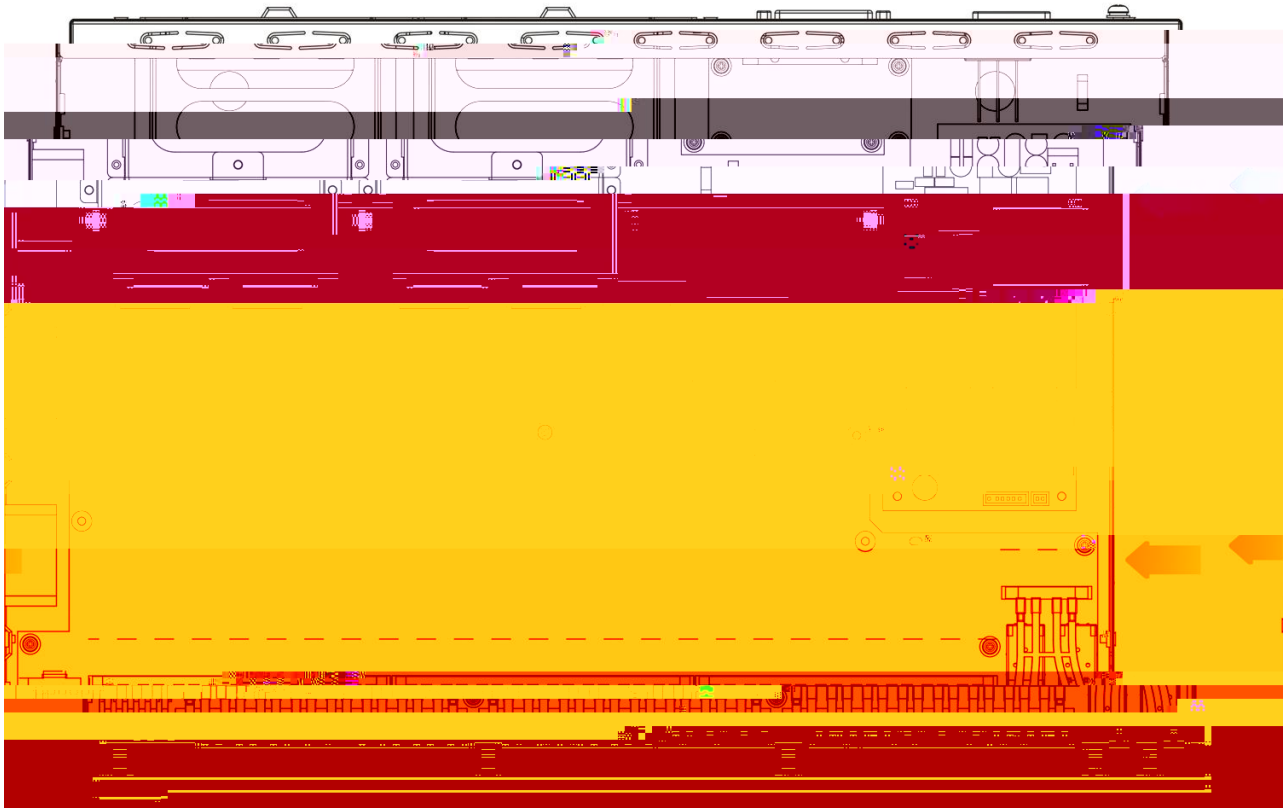
■ غ

■ Ⓟ ⌡

Í •+k$Æ Û -$ ƒ % D G .+U Ý,º RPS150 Gƒ • µ+^ ¸ `5 B* D,º ¬ ¹+k$Æ Ý ÷ C Í ’ p ¬EÉ ›$Æ ¸ \ O %73 < 2 8* b Ý ÷ ’ 8 n L • … b Ý ÷ >

RG-AS348GT ضي ضي ضي ï U 10cm 3

يد 1-8



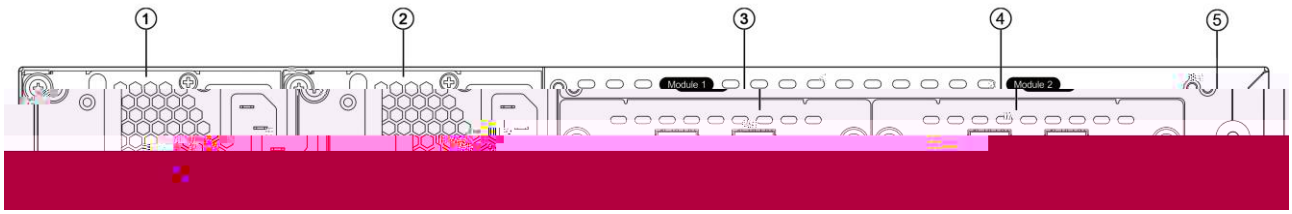
Ce

			ح
	Status		
			↕ . Δ ضي

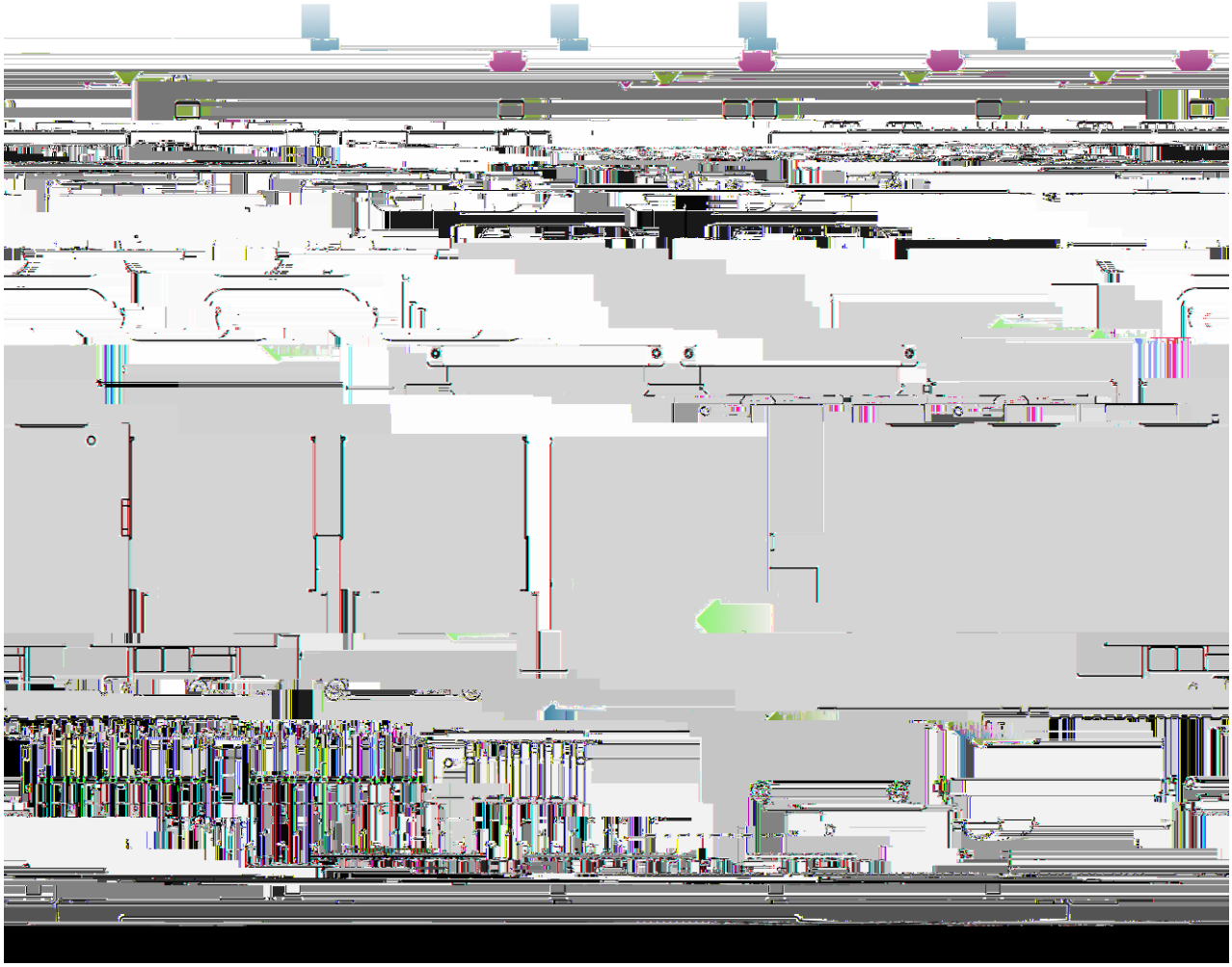
	GE-SFP-LX20-SM1550-BIDI GE-SFP-LH40-SM1310-BIDI GE-SFP-LH40-SM1550-BIDI Mini-GBIC-ZX50 Mini-GBIC-ZX80 Mini-GBIC-ZX100 ■ 1000Base-T Mini-GBIC-GT e 7,º • W •,º2± Á / Á - 'l ^ 75# * æ c ¸9 ÞM6?· * p ü.¤,º W • Á - ¸B-6Š31KF - 5‡5 8 p ð Ž L ¶ e e 7 ð Ž > BIDI • W • ûN±Gƒ / µ+^ ¸ Á ¸ 61% µ+^ ¼ FE-SFP-LX20-SM1310-BIDI ¸ L 61% g û N± µ+^FE-SFP-LX20-SM1550-BIDI > BIDI • W •B 4üGƒ / ©31B- ø69 b ½>ž B-2 >
قمم شبج	M300-02XS
SFP o	100Base-X 1000Base-X
RPS قمم	ĭ
	AC ㅓ مز 100-240V~ ㅓ مز 90-264V~ 50/60Hz 2A ㅓ HVDC ㅓ مز 192-290VDC مز 0.5A-0.24A
w	ĭ 50W ∖ 34W ∖ ㅓ 48W ∖ 33W ∖
	0℃ ⌠ 50℃
	-40℃ ⌠ 70℃
	10% ⌠ 90% RH
	5% ⌠ 90% RH
	ĭ ɒ w
ɒ	ɒ w
EMC	GB

C | Ø O

RG-AS324GF	╠	24	1000BASE-X SFP	₀	8	⅄	RJ45	₀	1



1	شجب	1
2	شجب	2
3		1 شجب



Ce

			↻
	Status		
			↕ ضي Δ .
			˜
			ɒ
			5.2
	PWR1/PWR2		ضي
			ضي AC
ضي شجر	M1/ M2		شجر شجر
			شجر
1000Mbps SFP o	1F-24F		o Link
			o 1000M Link Up
			o 1000M Ŭ
			o 100M Link Up
			o 100M Ŭ

RG

			٥ Ü

V é¯ ±l¹B m Î´(

ممم	nm	مم		MHz/km		‰
XG-SFP-SR-MM850	850	(LC)	62.5	200 160	33m 26m	IEEE802.3
			50	2000 500 400	300m 82m 66m	
XG-SFP-LR-SM1310	1310	١ (LC)	9	N/A	10km	

2 G

2.1

غ ضي RG-AS3GT ↓ ج ╠

A,º ¿ ž 0Aä ¬ C#¿ v ? %73 0)æ,º §LŸ û ë >

2.1.1 G

-
- ضي ٧
- غ
- ٧ ╠ غ

2.1.2

- ـ
- ـ غ
- ـ ╠ ٧

2.1.3

- ضرضي غ 2
- ضي ٧ ٦ ضي ضي ٦ ضر ضر ضر ضر ٦
- ضي ╠ ضي Ŭ ®
-
-
- ضر ضي

RG-AS324GF 315 ? C 6 —EÉ › ¸ ©L#315 ƒB-.¤ ã 6 v ?,º+k$Æ4õ >

C?ú99 = C!™.¤,º+k"J ' %73 KC-&¡&´ L+k 11• E L Á { ¸ ¬ / ð ‰ ÂAô =FV F [H =8* ³,º Z é >

-* Û LFPEý%¤$µ(Ÿ ‰ Û Û@ Q Á = 8+k ¸ %73 \ ›8* ³ §LŸ >

2.1.4 TØ

أ شخ

- ضر ضر آ
-
-

2.1.5

■ ↕ ﻟ ˜ ڈ ث ﻩ .

RG-AS3GT ↓ غ

0℃ -50℃	10%-90%

Aô = ')å ¹$_ =$µ Ü,º#•H &ï ¸ = ^Aô = p ì ƒ D"× ? Ú µ ,#•H ¸D f µ 1.5m Q Ü ¸ ¬D Aô = ƒM˜ µ 0.4m :,º#•H ¦ r >

2.2.3 MÓ.

ﻟ ﺽﻲ ˜ ₽ ﺽﻲ

, ₽ ث ڈ ℃ آ

	ﻝ	℃
≥ 0.5 µ m	/ m3	≤ 3.5 × 106
≥ 5 µ m	/ m3	≤ 3 × 104

2.2.5

ضر RG-AS3GT ↓ ضر

ضر ' ضر ضي

Ú ~ p Û f4õ,º!™ nF Û e Ú ~ pLhM- =Lh ¨ ¦,ºH ?· LÒ ¸ v +^ m ûN±!™.¤ Û f >

µ / ©

ضر ضر ↕ ٦ ضر

01‡(Ÿ Ê Ñ Ú Û fF Û ¸ A÷Aô =F Û f Ú f >

¿>û5* Ú ð Ž Ê ö Ú#w Ý e \ %M–,ºF Û f 01‡(Ÿ Ú f > ¸ Ò"× ? ¸ ¿>û5* Ú ð Ž Ê µ+^ 6 o Ú Û f 24õ Ú#w Ý Ú Û f1% †F Û f 01‡(Ÿ Ú f >

+k$Æ Ý Ê ¿>û ^Aô =LzF J ï I ',º ƒ5¤ >

Aô = ¿>û , ¸ ûN±.¤ Û fF Û 6 ~ ÛFP Â 6 D ã 6 >

Ú] Û f 24õ `M˜0% Ê8) G 0.75 © ï"!2© ´ 18AWG µ

Aô = ¿>û , ¸ µ+^ 3 8å+k$Æ4õ ¸" ` K7P,º ` `M˜M˜0% 6 E p 0.75 © ï"!2© L 18AWG >

y Ô / ©

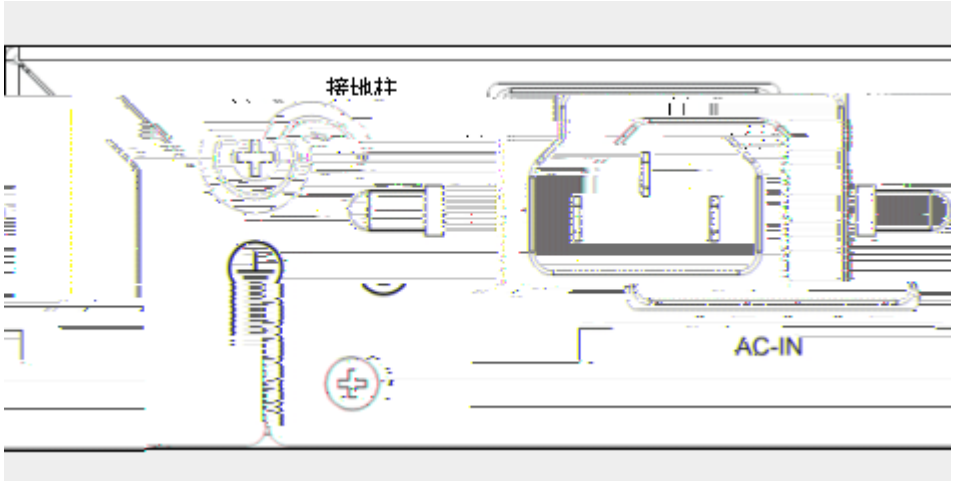
ضر ضر غ ضر ضر ضر ضر ضر ضر ضر

Ô Â / ©

ضر ´ ضر كح ضر كل غ L ضر ضر

ضر RG-AS3GT ↓ U 1 ضر

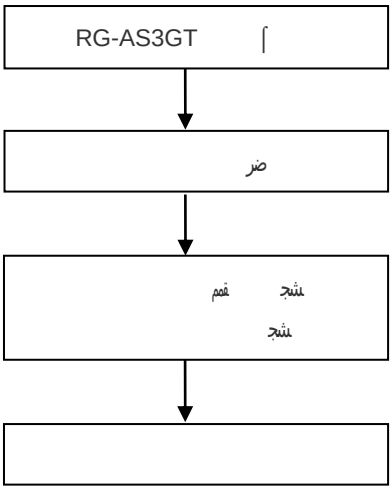
2-1 RG-AS3GT ↓ ضر



3 cƍ

B-.¤AÚ Þ (5 4üL;B11b Â1 ,º » ï ¸1b Â1 vF&,º?·"x } Í f% Cé >

3.1 G8V



3.2 G ø \

ضِ ╠ ɜ

- ٦ ج
- ٦ غ
- ٦ غ
- ٦

3.3 G RG-AS3GT

l

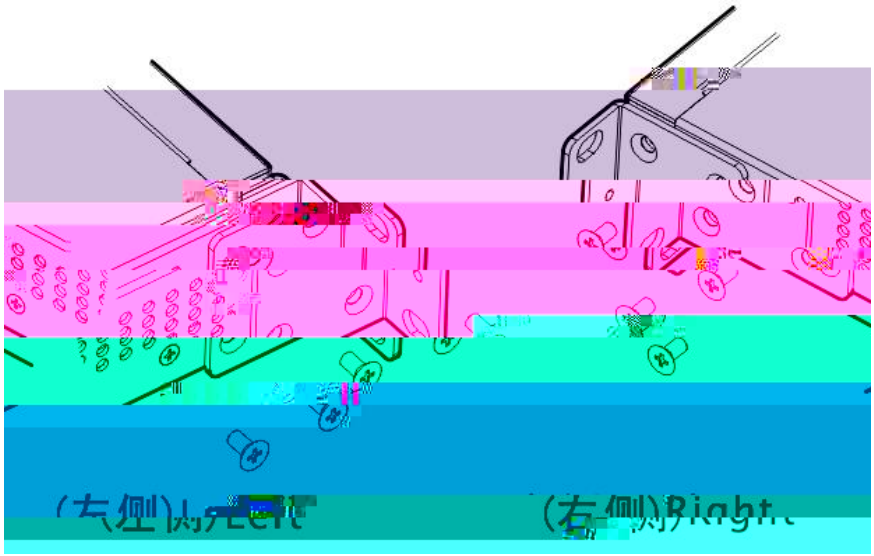
- ■
- ■ U
- ■
- ■ ضي 10 ل ~
- ■ ضر W ٌ ~ ٌ ~ ٌ o
- ■ o ضي ﻍ ﻝ ~ o

3.3.1 0 19

RG-AS3GT ↓ EIA ‰ ~ ضي 19

ٌ ⊧ ´ ⌡ يد 3-1

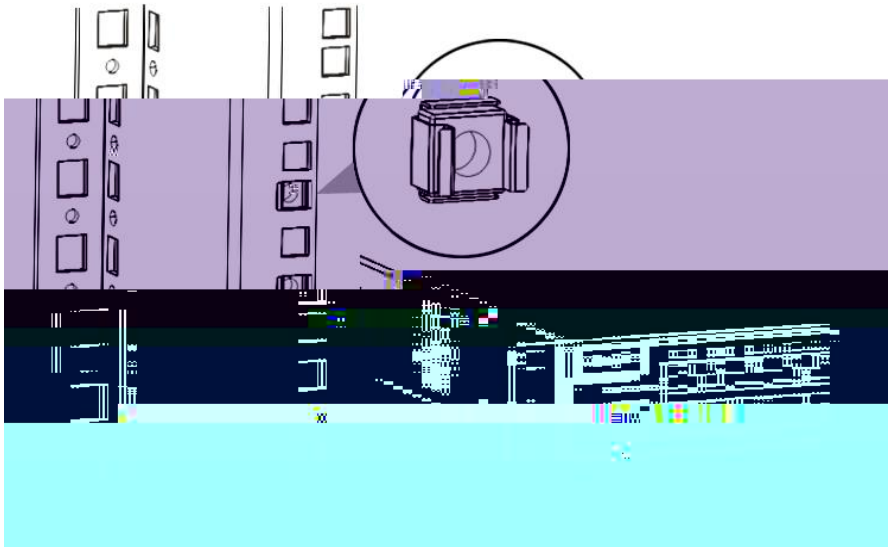
يد 3-1 يد



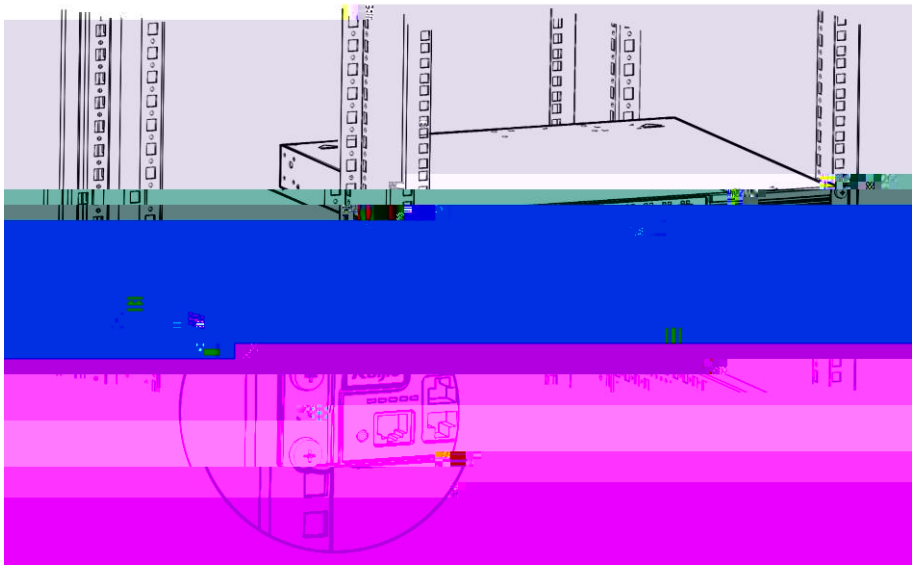
يد 3-2 M6 غ ـ ³ ﻫ

ضي ⊫ U يد 3-3

يد 3-2 يد



ฆ 3-3 ฆ



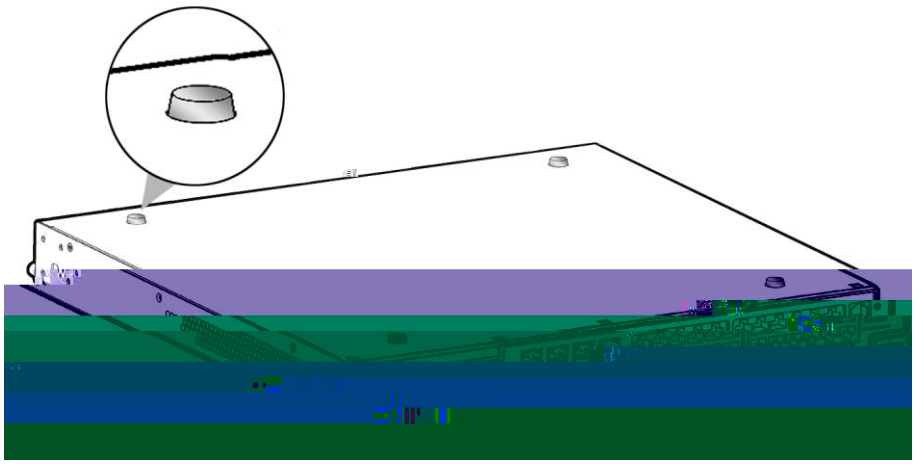
3.3.2 0

RG-AS3GT ↓ ˜

ŭ ₣ ╠ ´ 90 ⌈ ฆ 3-4

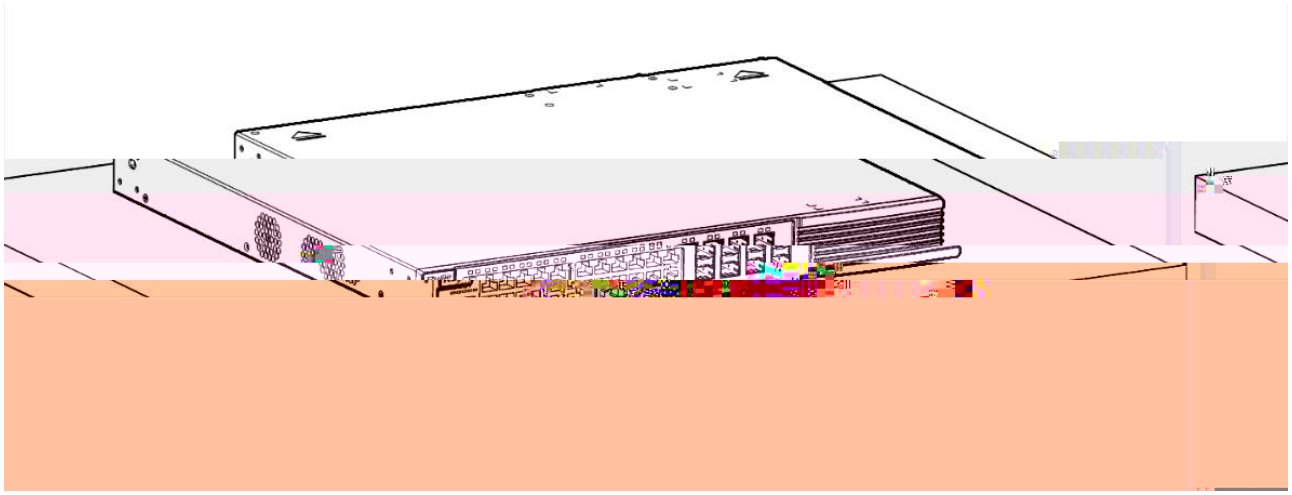
ฆ 3-4 ฆ

RG-AS3GT ↓



ضي مخـلـا ضر ـ 3-7 يد

3-7 يد يد



@@ ¿

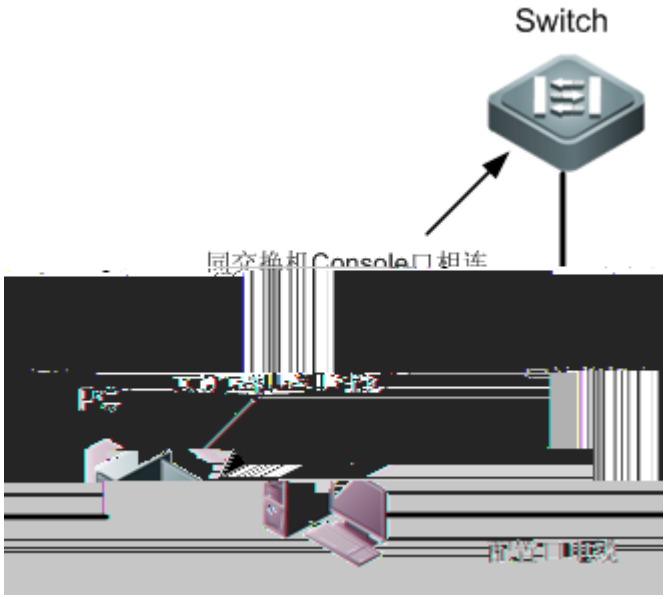
4 ǔ

4.1 ē

ē

PC Console。

ɔ 4-1 ɔ



´ Ô § é ä /

DB-9 ⌠ PC 。

RJ-45 ⌠ 。 Console

f ´ “ O ? d

PC ض PC Windows3.1 Terminal Windows 95/98/NT/2000/XP

ă ă 9600 8 1 L

1) Đ “ ” - “ ” - “ ” - “ ” - “ ” 。 ₹ ɔ 4-2

ɔ 4-2

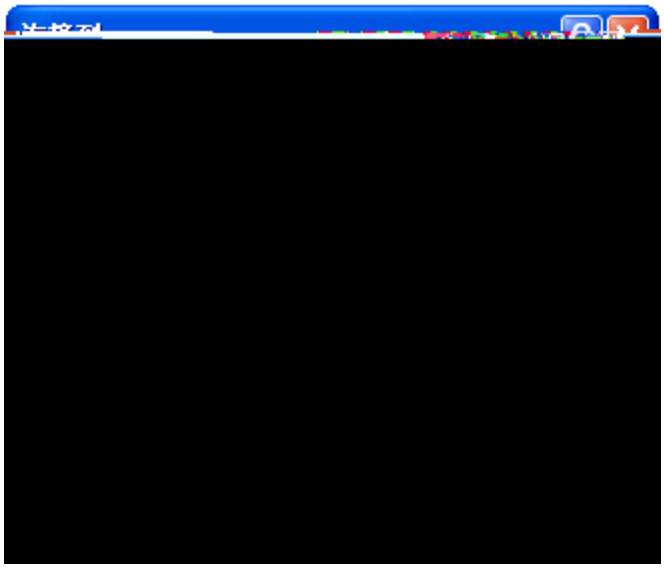
2) Ð ρ " Ů " . ₹ ﻱ 4-3

ﻱ 4-3

3) ﺽ O ﻵ Ð ρ < > ₹ ﻱ 4-4 ﻱ ﺽ

o

ﻱ 4-4

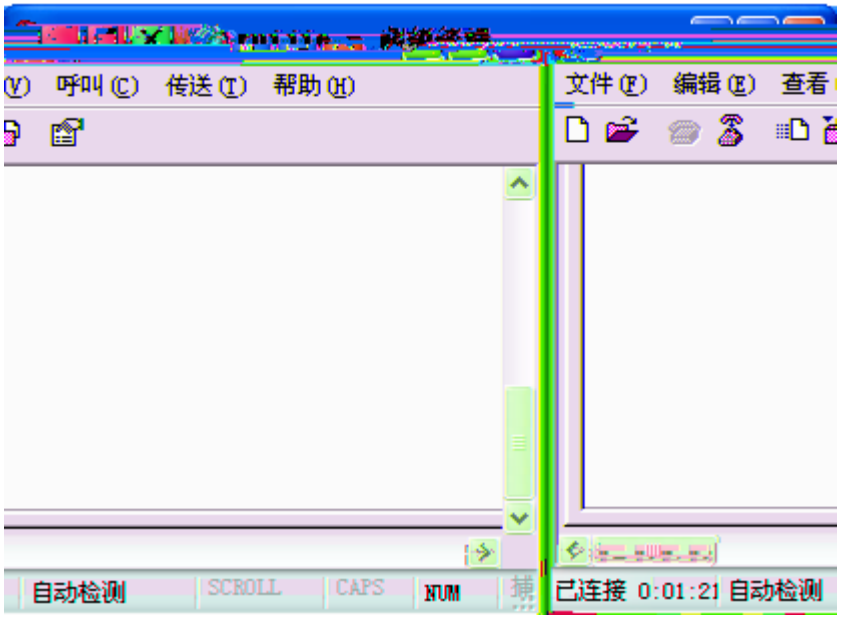


4) ₀ U ヽ𝒟ρ< > ₹ ₂ 4-5 ₀ ǎ 9600
8 1 └

₂ 4-5

5) ₀ ǎ U ヽ𝒟ρ< > ₂ 4-6

₂ 4-6



4.2 Ô

Ô

- ■ ٦ № ض
- ■ ٦
- ■ ٨ ٦
- ■ ٦ ˜ PC ٦ ă ٦

Ô d é ó Ó

- ■ U U

		2
o ┗˜ ∓ ∓	o o o	o o o ă ϩ o

RJ45 o ĭ

ŭ ∓ ∓ 100

o

\¢ A

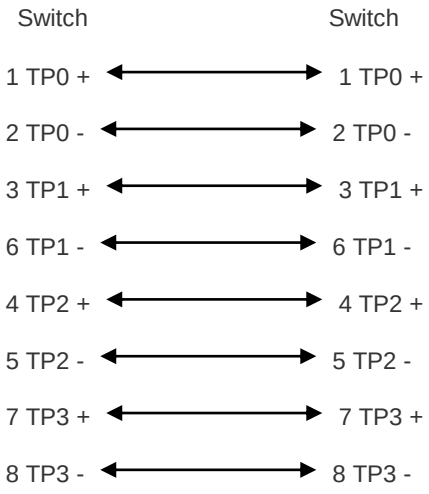
1000BASE-T/100BASE-TX/10BASE-T D

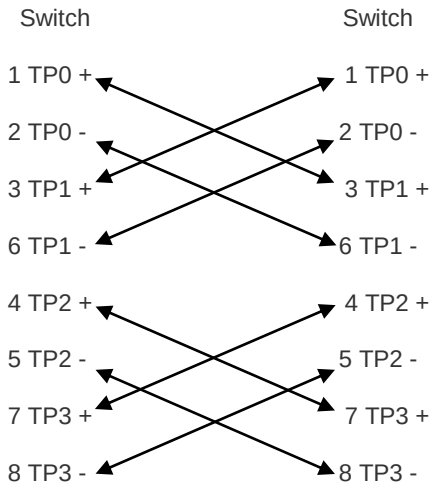
1000BASE-T/100BASE-TX/10BASE-T ο ضي ˗ MDI/MDIX Crossover
w

1000BASE-T ‟ IEEE 802.3ab ‰ 100-ohm 5 5 ٱ UTP ٱ STP
ٱ STP 100 1000BASE-T ο 4
4 1000BASE-T ο ⌡ ٱ يد A-1

يد A-1 1000BASE-T ضه ٱ يد

ٱ





100BASE-TX/10BASE-T ˆ 10Mbps ˆ 100-ohm 3 4 5 100Mbps
100-ohm 5 ˆ 100 100BASE-TX/10BASE-T ˆ
يد A-2

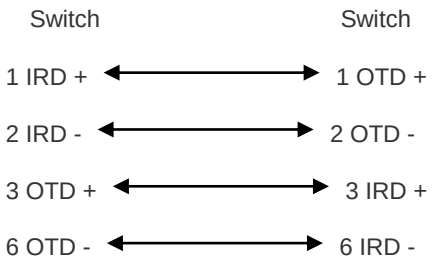
يد A-2 100BASE-TX/10BASE-T ˆ

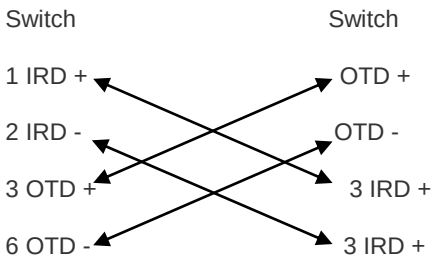
Pin		
1	Input Receive Data+	Output Transmit Data+
2	Input Receive Data-	Output Transmit Data-
3	Output Transmit Data+	Input Receive Data+
6	Output Transmit Data-	Input Receive Data-
4 5 7 8	Not Used	Not Used

100BASE-TX/10BASE-T ˆ ٱ غ ٱ ٱ يد A-3

يد A-3 100BASE-TX/10BASE-T ٱ

أ

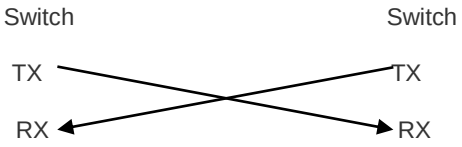




¯ • Ž é ä /

ه شجـ ممم ا يـ A 4

يـ A 4 يـ



\ ¢ B Mini-GBIC

SFP Mini-GBIC

SFP № SFP ğ ğ

B-1 SFP

Mini-GBIC(SFP)	(nm)		o	(m)		ŭ (dbm)		(dbm)		DDM (Yes/ No)
						MIN	MAX	MIN	MAX	
FE-SFP-LX-MM1310	1310		LC	62.5/125	2	-22	-14	-30	-14	Yes
FE-SFP-LH15-SM1310	1310	١	LC	9/125	15	-15	-8	-28	-8	Yes
FE-SFP-LX20-SM1310-BIDI	1310TX/ 1550RX	١	LC	9/125	20	-15	-7	-28	-8	Yes
FE-SFP-LX20-SM1550-BIDI	1550TX/ 1310RX	١	LC	9/125	20	-15	-7	-28	-8	Yes
FE-SFP-LH40-SM1310-BIDI	1310TX/ 1550RX	١	LC	9/125	40	-7	-2	-32	-8	Yes
FE-SFP-LH40-SM1550-BIDI	1550TX/ 1310RX	١	LC	9/125	40	-7	-2	-32	-8	Yes
Mini-GBIC-SX	850		LC	62.5/125	275	-9.5	-3			

\ ¢ C - SFP Plus

SFP Plus

SFP Plus № SFP Plus

C-1 SFP Plus

Mini-GBIC(SFP)	(nm)		o	(m)		(dbm)		(dbm)		DDM (Yes/ No)
						MIN	MAX	MIN	MAX	
XG-SFP-SR-MM850	850		LC	62.5 /125	33 (OM1) 26	-5	-1	-7.5	0.5	Yes
				50/125	300 (OM3) 82 (OM2) 66 (OM1)					
XG-SFP-LR-SM1310	1310		LC	9/125	10	-8.2	0.5	-10.3	0.5	Yes
XG-SFP-ER-SM1550	1550		LC	9/125	40	-4.7	4	-11.3	-1	Yes

\ ¢ D

■