RG-SF2900-S

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■ RG-SF2900-S 3+GÎ3T h× Õ

× ñ	10/100Base-T 8 F 2 Ä Z5 1	10/100/1000Base-T 8F2Ä51	1000Base-X SFP	Console
RG-SF2900-8GT2SFP-S	\	8	2	1
RG-SF2900-8GT2SFP-P-S	\	8(1 PoE+/PoEÅ	2	1

SFP Ϥ 100Base-FX س 100Base-FX ىج

1000Base-T Ϥ 100Base-TX م 10Base-T

1.1 RG-SF2900-8GT2SFP-S

× ñ » '	RG-SF2900-8GT2SFP-S
CPU	µ5ž CPU È … h 4*6 ˜ È kNÁ 500MHz
Flash Memory	32MB

Œ)ß ¶	10% ` 90% RHÄ Å
Ø)ß ¶	5% ` 95% RHÄ Å
Nþv	Nþv
¥ÉA–	=1¥ÉAÝ-
y ¶Ç	=1y ¶Ç

RG-SF2900-8GT2SFP-S G+X8f¹² ¡ÀA77-X¶ÞÈE Xn5ÿ1ÅXj1ã× ú

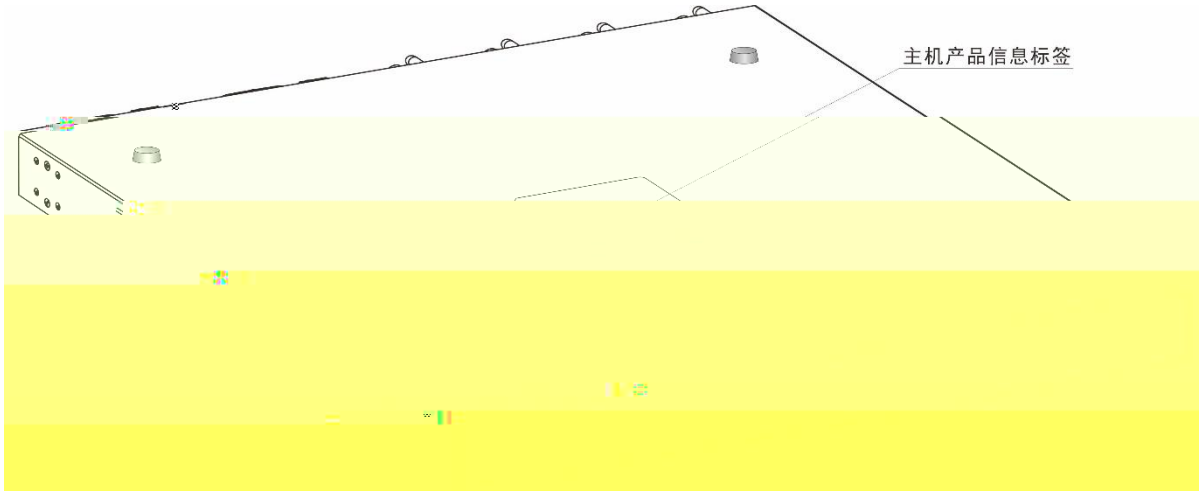
>M¯‰ã 10cm ,0ÈÐ,¶JÄ Ê LHÆÁÞ 3 Z8 0Q È¶eÿ5(¶e

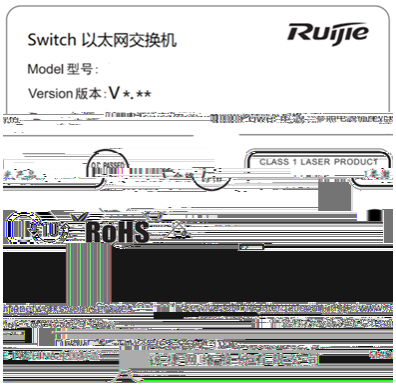
7/j&Ÿ	M’ ¯ 7Aö	(æ 1	[y
(æ 1 7/j&Ÿ	Status	7/j&Ÿ&•	Ô ’ j"Ñ 9 :+e
		5/8¢L &ñ	Ô ’ j!“ X M û F È9 0-$L &ñ I>˜/j 2 h
		5/8¢ h Þ	Ô ’ j !“ h Ô ’
1000Mbps RJ-45 Õ 7/j&Ÿ	1-8	7/j&Ÿ&•	1 Z Link
		5/8¢ h Þ	1 1000/100/10M Link Up
		5/8¢L &ñ	1 1000/100/10M ž f
1000Mbps SFP Õ 7/j&Ÿ	9F-10F	7/j&Ÿ&•	1 Z Link
		5/8¢ h Þ	1 1000/100M Link Up
		5/8¢L &ñ	1 1000/100M ž f

1.2 RG-SF2900-8GT2SFP-P-S

× ñ » '	RG-SF2900-8GT2SFP-P-S
CPU	µ5ž CPU È … h 4*6 ˜ È kNÁ 500MHz
Flash Memory	32MB
SDRAM	DDRIII256MB
_ 1,´ y Q ‡2« »	ò63Lt … B Ä = _ 1K 56 Å

Œ)ß $Ö	-5ºC ` 55ºC
Ø)ß $Ö	-40ºC ` 70ºC
Œ)ß ß	10% ` 90% RHç Å
Ø)ß ß	5% ` 95% RHç Å
Nþv	Nþv
$ØA–	=1$ØAÝ-
y ßç	=1y ßç
EMC	GB/T 9254.1
ø	GB 4943.1
Eý%?eq	0 1.5mA
j(Á × $ ×Q þ. mmÅ	300x220x43.6
G(þ. kgÅ	2kgß>Å (KA7ÅÅ





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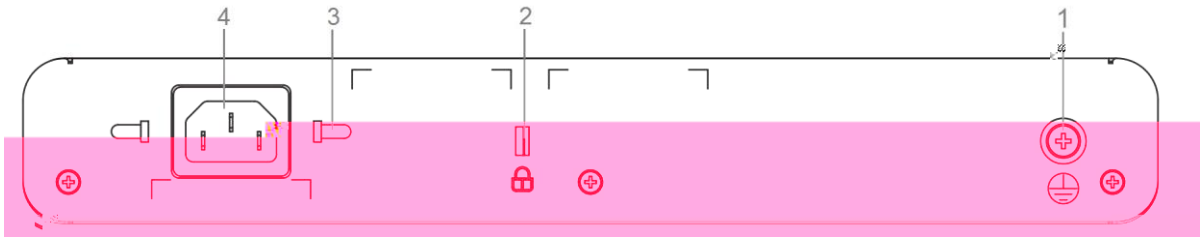
Կ	سر لج	**

RG-SF2900-8GT2SFP-P-S Z5



	7	9	
	8	:	

RG-SF2900-8GT2SFP-P-S

10cm

| | | |

2

2.1

م سر RG-SF2900-S ؤ

ˆ

2.1.1

- 1j1
- =
- >
- A7

2.1.2

- 0+
- 0+
- 0+

2.1.3

- F>
- XA7
- X A7
- mG
- M0
- B

ˆ م ر

ˆ ر

ل ل ل ˆ

2 20ˆ n ˆ ≤ 1.5mA

م 30mA 30mA ل ˆ <10

ل /2/ ˆ =30/2/1.5=10 30mA ل ˆ 10ˆ

20ˆ 2 30mA ل ل 10ˆ

ˆ n ل /2> م

لج 30mA لج

15mA سر 15mA لج ∩ قد

لج

30mA ≤ 30mA لج

م

2.2.1

RG-SF2900-S 3+G 3+G

2.2.2

-

2.2.3

	0.5-	mA	2 m³

2.2.4

Ô ' j X ¯+X] 7- ` •8 3+5 FG ,´ ¢ È Ë ¢ FJE÷+e é6V 8 Ã+e O6V 8 Ã+e.ñ# EÀ 4 Ãœ ¡Lk ÇÄ 5 Õ `3+5 Å 6V 8 ¼ ,4ï Ä+e$À4ï Ã '4ï ¼EÃ *4ï1y Å,´ P , é ?)Aî 7 ×+O ¡ ý Ä j!" Ä# ? Ö

- ê e3+5j TN 3+5ê e$ Ä+X9ÊÄ PE Å(94ï+e$ È7%#eD7-9x,´ %L¹+e5Ä
- jê Ä4ï+e4 ÑME¼ ÊÁ V+eê 7Ä
- ê +e.ñ,ê e56G+Xm+e56Ä
- ê e56 XÔ4ê gFC4ÈbM¹+e× +O,E+eÃ+eê Aî7' Ä

2.2.5

8Ÿ -,´ Õ `3+5 _ RG-SF2900-S 3+GÔ ñ 0cÊ F>|*.pÈbM¹+ê Ä9Aî7
ê 8,ÊÔ ðñ,ê uä Ê

غي	غي

¯+X Ô#q+e,´Aî 7 õN«FJE÷Tô5/8¢ ¹ ˜ `4ï Õ ` È V I ƒ Aî 7 µ,´+e$À > j # {L$,´5 5H+eLk ? & È J ,8$+e + T ã Ä

غي	غي		
u	∩˜	غي	u غي
غي	غي		
سر			
غي	م	u	
غي	0.75	18AWG	
3		0.75	18AWG

Aî í,´M'+e Ô3+5 _ 0 Z) 0û,´3+5 È+aF¯M'J¸ Ã; , ƒ ¼ > Õ `3+5 -(F ,´ Õ d4ô @ ÄB Õ `3+5 FJ h >+X Œ+e$À ò63 ` úTô5/8¢ ¹ ˜ `4ï,´ Õ ` _ ¡+X,´ ÄM'+e n+e Õ ` õ)Aî í6<@0 ÈAî 7"Ñ 9F Z?±"r Ä

* ¾+e.ñ ¬ éAîAÑ6<?±"r,´ Õ ` È5 Ö•;m Õ ` Ã‰ # ˜ Õ ` Ãš ¼ ¢ Á f Ã+e £ ò63 Ä:F ' @ ¶ Õ `,´5, 8?±"r Ä Õ `4ï,´+eLk l?±"r ? ¾ 1ΩÂ

RG-SF2900-S 3+GÔM¹+‰ 1 ZÊÕ . 2-1.

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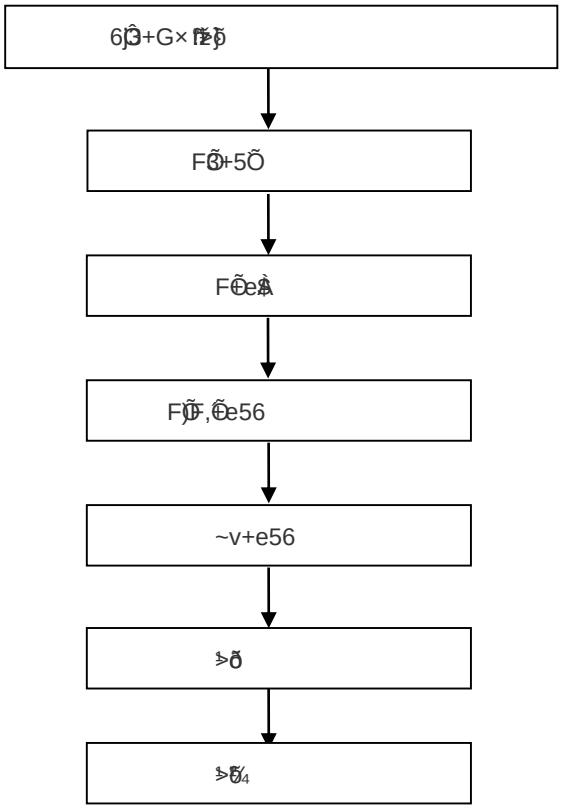
3

سر “ ﻩ ”

3.1



3.2

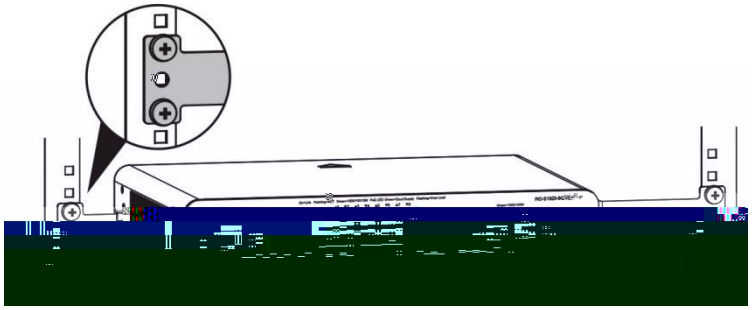
X ¹>õ }B'.žAÔ ; &é Ö

- ¼ðÃ7,)8EP Ä
- ¼ðÃ7,)8E8Ä
- ¼ðV'35ž+e‰Cð+eÄ
- ¼ðV'35ž(55G¼Ä

3.3 RG-SF2900-S

¹>õ & ÈB'# ? ; &é Ö

- ÆX)Ñ8¢+eÅF()ÇÕ
- .ž+eÅe4¡ÕA7,+eÅ@8ÄX7X+eÅ>Ê+eÅ+X+eÅLb7ÆÕ
- U/Ä RG-SF2900-S 3+GA7é5ž(Ñ
- XA79CÕ,FJNÞ¹LÅ 10



3.3.2

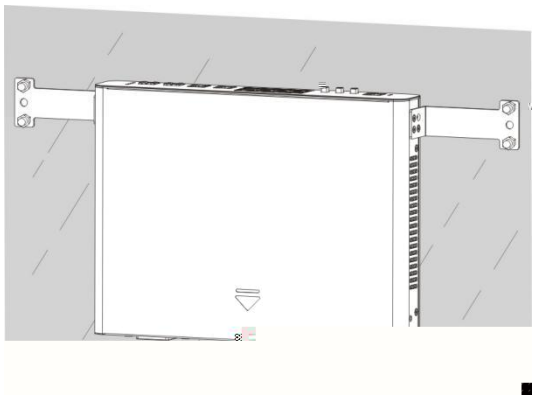
RG-SF2900 ÎLtF126c1Ø Q È5ÐÇÐ

1\0Ð-ÐÄ26cGÞ>Ø26c<j26ÈÂ6cÐÆœ 90 ÐÐ1>ÞÐ 3-4 p/jÄ

. 3-4 A72Ø6c>ÞÎ0

1\ØX7ØØeeÞ6jÎÈÐ 3-5 p/jÄ

. 3-5 A72Ø6c>ÞÎ¼



3.3.3

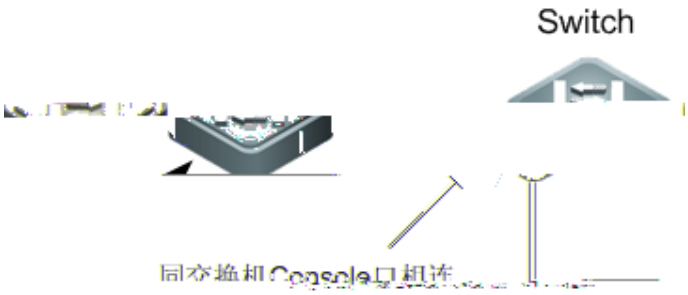
3-6

4

4.1

PC FJE€5ž‡e56>þÕ Console -(F₹È . 4-1 p/jÖ

. 4-1 G5ž‡?



- 6G5ž‡e56,´ DB-9 ø¥ÐÐ>G5ž PC ,bÄ
- 6G5ž‡e56,´ RJ-45 01FÛ× fÄ ConsoleÅ

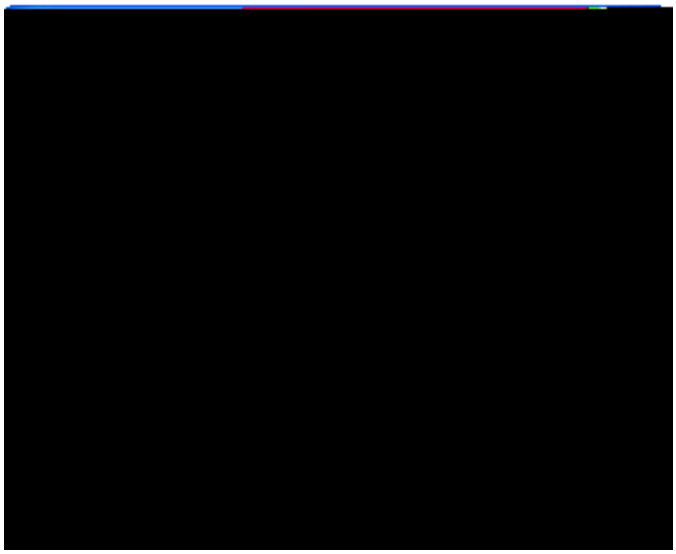
- 1\0ð PC PC F>µ1/-O0Ä Windows3.1 ,´ TerminalÈ Windows 95/98/NT/2000/XP ,Cµ 4× 4ÅÅ
- 1\ 9600þ 8 1 fjÄ

1) 0û -0¿ -Lt& -FJAß -C4× 4C4× 40Ç+5i*² . 4-2 p/j,÷MÄ

. 4-2

2) 5i*² . 4-3 p/j,+MÄ

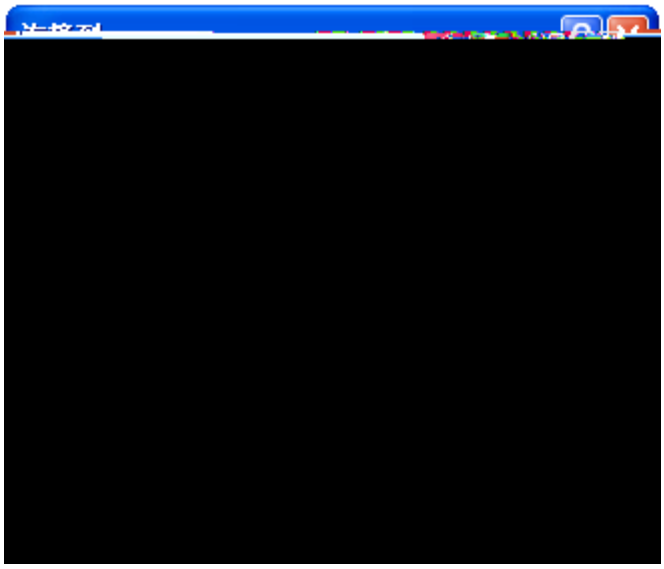
. 4-3



3) XF+M0 È. <.È >9J+5i*² . 4-4 p/j,+M XF X0

F9FX,bÄ

. 4-4



4) bF9¾È. <.Ê >9JÈ+5i*² . 4-5 p/j,FÕÀ5ž¡MÈ5ž©)j 9600Ê
8ŵP¡Ê 1È ¤fjÄ

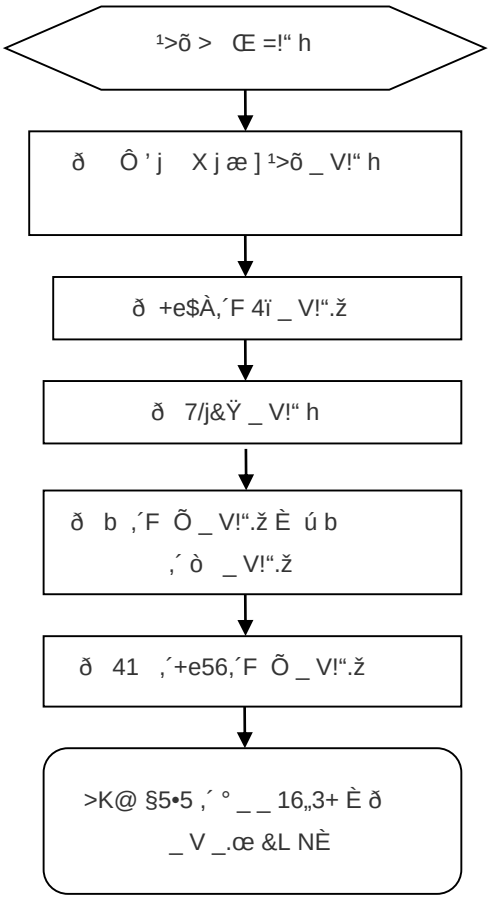
. 4-5

5) bÀ5Ø>È. <.Ê >9JÈ+5F² . 4-6 p/j,C¡× 4¤+¡MÄ

. 4-6

5

5.1



5.2

uLÌ)àB‘	7- Ï	@ ã Î#
Aà1Ñ*6+|M’,« … ö.1	ê jG}5ž ö.1 >F‡	B' >K@ §5•5 Ò g = ÑG ° _ _ 16„3+ Ä
0 j > status &Ÿ = Þ	+e$À Z Ë+e Ã+e$À4ï ® Ø	ð j o Ë+e × _ V!“ h È > Ô ’ jF Õ,´ +e$À4ï 9 ® Ø Ä
b × f EÃ * F65EÃ * ¡.1	F Õ Ô ’ j,´ b >G}5žEŸ & ƒ 0,´ b = 08$ × b G}5žKIB Ä	$ iG}5žEŸ & ƒ 0,´ b jF Õ Ô ’ j,´ b × h) b ò G}5ž _ V > b G}5žB$ >,´ ÿF 08$ Ä
RJ45 1 # F FJ F65 f W *KI	F Õ ü5 4ï uLÌ × 4ï56K¯ ÖCµ *100 2£ × 1 9(©!ºG}5ž È > ÂF Ô ’ j"Ñ 9 ¡ < ,´ Œ Q ? Ä	$ ’ ü5 4ï × ð 1 G}5ž È _ V > ÂF Ô ’ j 9 ¡ < Œ Q ? Ä

y4FJ	11F× y ×iG× y4 ×1V8× y4 y j,	B3y4 1× / y × V8 y4

A

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

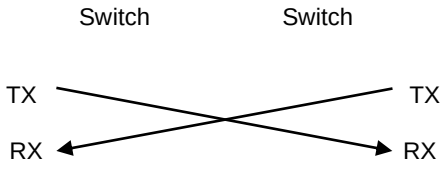
1000BASE-T/100BASE-TX/10BASE-T 19/FO)8F2A1EXF9/FO);8Ø MDI/MDIX Crossover
,7-Ä

. A-3 100BASE-TX/10BASE-T 5416Õ

-Ê4ï	Ê4ï
Switch Switch	Switch Switch
1 IRD +1 OTD +	1 IRD + 1OTD +
2 IRD -2 OTD -	2 IRD - 2OTD -
3 OTD + 3 IRD +	3 OTD + 3 IRD +
6 OTD - 6 IRD -	6 OTD - 6 IRD +

) ¾ y4Ô ÄB i ž p Õ,´ y4Ô Q ‡,´2« » ÈF9 … Q F J Q y4ÔF >|F Õ È ¦F Õ/j ? . ² . A-4Ö

. AÉ 4 y4ÊÕ?



B Mini-GBIC

\ œ (i ž Ô ’ j Q ‡,´ Õ 2« » Ë ¶-(ÄG} ‡ ¯+X,´ SFP Mini-GBIC

Mini-GBIC-ZX100	1550	.Q	Yes	0	5	-30	-9
SDH155-SFP-SX-MM850	850	J Q	No	-10	-4	-25	0
SDH155-SFP-SX-MM1310	1310	J Q	No	-20	-14	-30	-14
SDH155-SFP-LH15-SM1310	1310	.Q	No	-15	-8	-28	-8
SDH155-SFP-LH40-SM1310	1310	.Q	No	-5	0	-34	-8
SDH155-SFP-LH80-SM1550	1550	.Q	No	-5	0	-34	-8
GE-SFP-SX	850	J Q	No	-9.5	-3	-17	0
GE-SFP-LX	1310	.Q	No	-9.5	-3	-20	-3

B-2 SFP

7 ö	1000Base-T SFP × ñ » '	_ 1 DDM(Yes/No)
1000Base-T	Mini-GBIC-GT	No

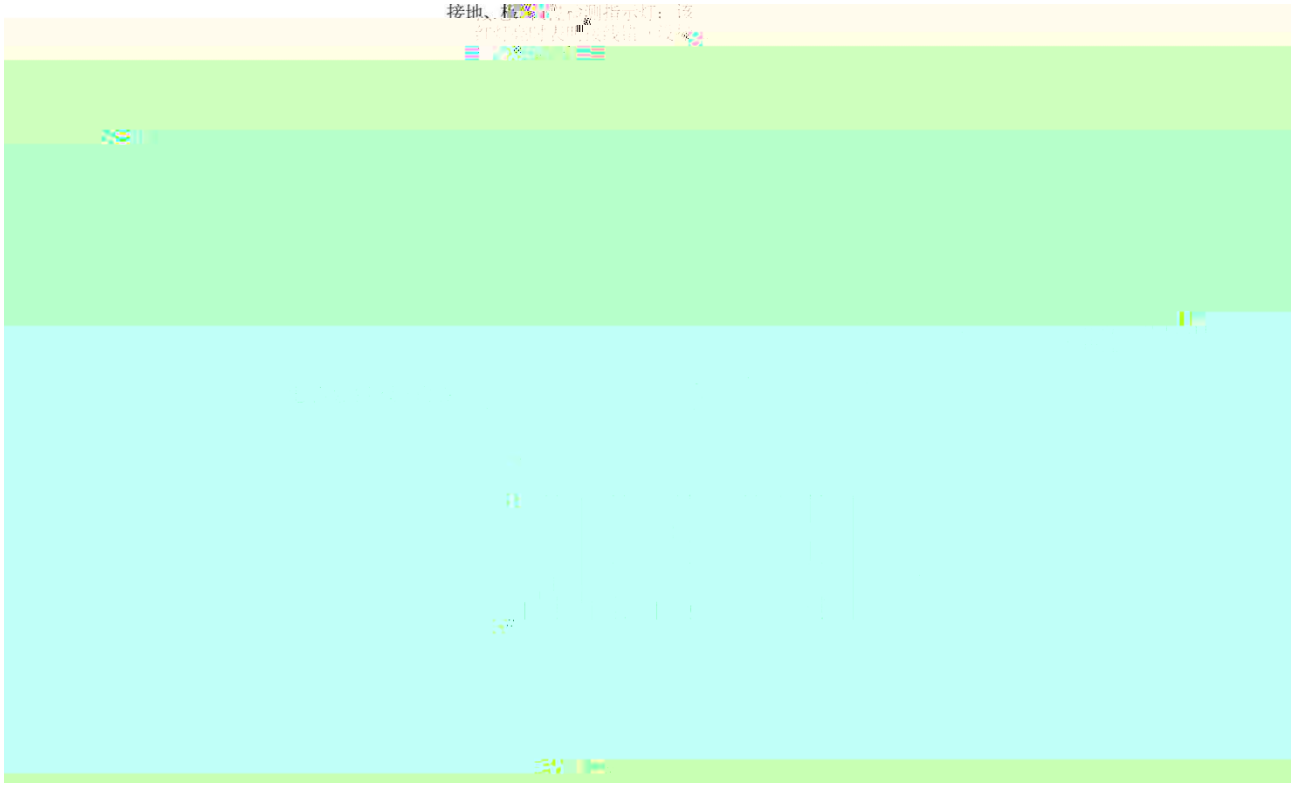
SFP			(um)	
Mini-GBIC-SX	LC		62.5/125	275m
			50/125	550m
Mini-GBIC-LX	LC		9/125	10km
GE-eSFP-SX-MM850	LC		62.5/125	275m
			50/125	550m
GE-eSFP-LX-SM1310	LC		9/125	10km

Mini-GBIC-GT	RJ45 54ï

C

ƒ Ô#q+e$À4ï þ g F E • È-$ Õ Õ ` Ô ’ j+e$À & È Ô#q+e$À ÄG÷+X F ÕLbM' Õ4ï Â,´ é ? •Lb!’ Ô ’ jF• M' + Ä LbM' Õ4ï Â +X4ï “ ¼=êJ¹ * Ê X j Ã Œ F j o,´ É ñ : Ä ¯+X & È Ô#q+e xF •LbM' Õ4ï Â È4ÿLbM' Õ4ï Â > ½ F • Ô ’ j Ä

. C-1 +e



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PE 1

- 28 -

Ô ’ j ¯+X] È9 9 * g5•4ïF • Ô ’ j,´ õ å ÈB' XB '4ïF • Ô ’ j Õ } x b Õ5• F¯M' ˜ È F¯ } Ô ’ j M'
+6< • • Ä

M0 Ö ¢0±M0 Ã+X>

Ô

1) 7 d,0M 7 d2 5F M F 7 d,0M 5F M
2 dX F M2 d

2) D/ 5F M 4 4(*3WX

3) +X7+X> 5F M V> 8Ÿ ×

4) 95F MB 5F M+X5E 56F 4 e56Õ IN 1
,E e56Õ OUT

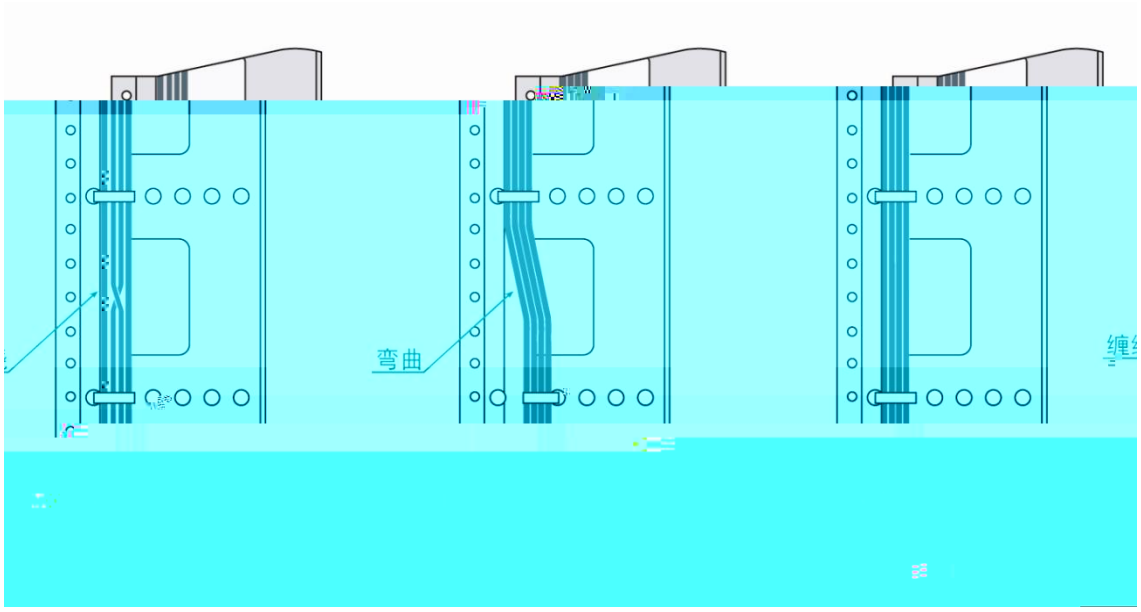
5) +XlU 6+e565~

. C-2 5F M

	10/100M	RJ-45			
				U	

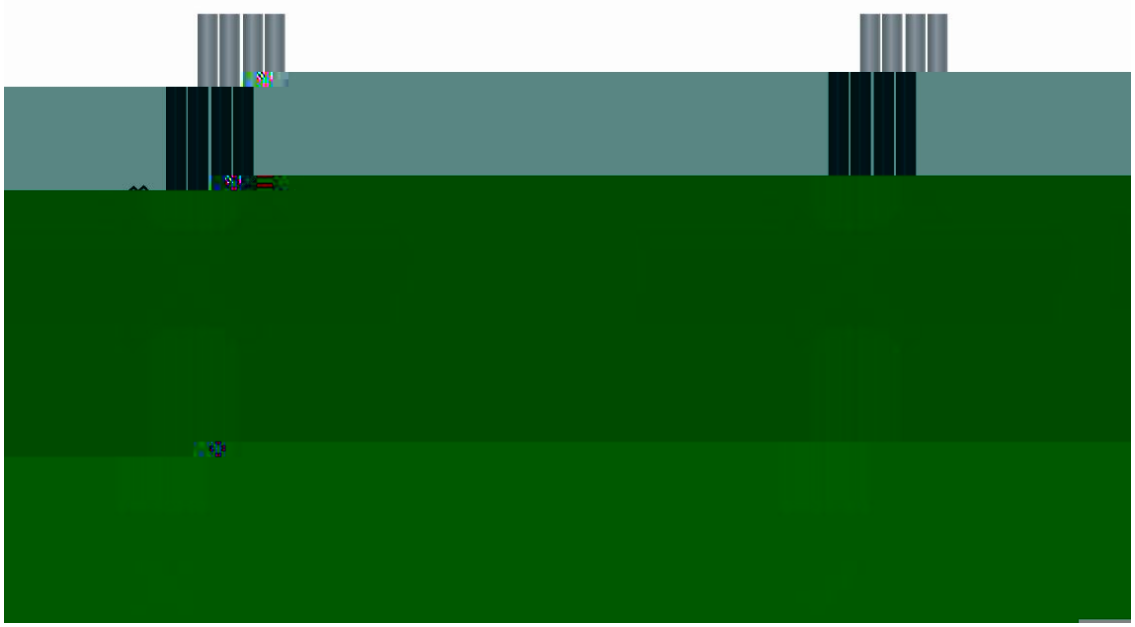
- Lu F M W7-
- 5F M “IN” “OUT” ´ o Â
- 5F M 4 G >È
  B'+X7+X> Â
- 5F M 7) e56*g5 0Z 9,´e56*g5 F¯
  M Ä

D



- =<2 ,+e56 30mmÄ
- jµ,54 4ï- %
- +e560 ,H y%, 6B6, MÈ>055H>
- 5~+e56 9F2 4È XTiFTi;4F X¾4Ä
- +X4 +e565~> J% 6 D-2 p/jÄ

. D-2 +e56v~/j



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-)
- B/+X8k=
- <02
- 4

+e56 mm	5~ mm
10	80~150
10~30	150~200
30	200~300

- ++.e56C4F65v~=
-)

RG-