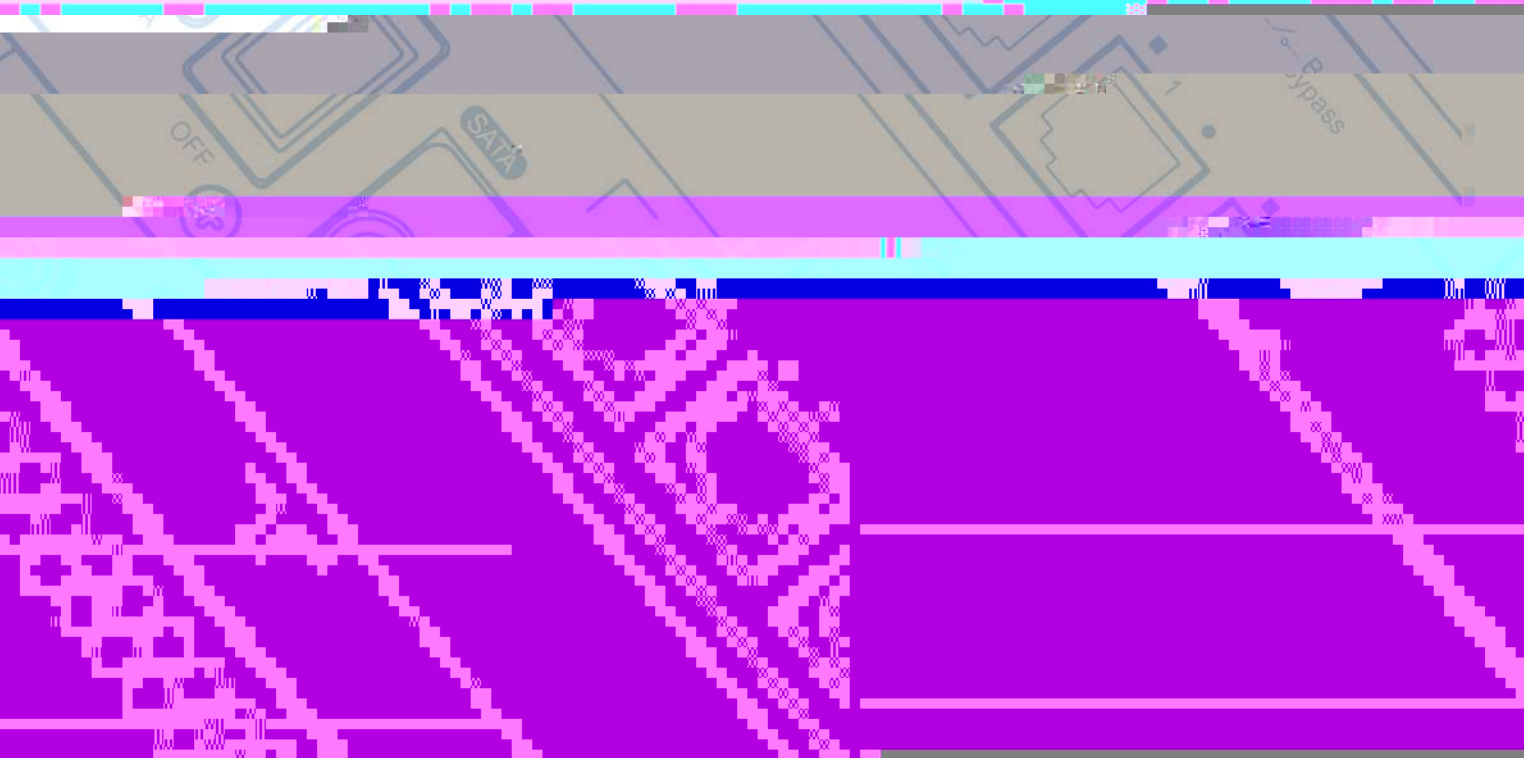
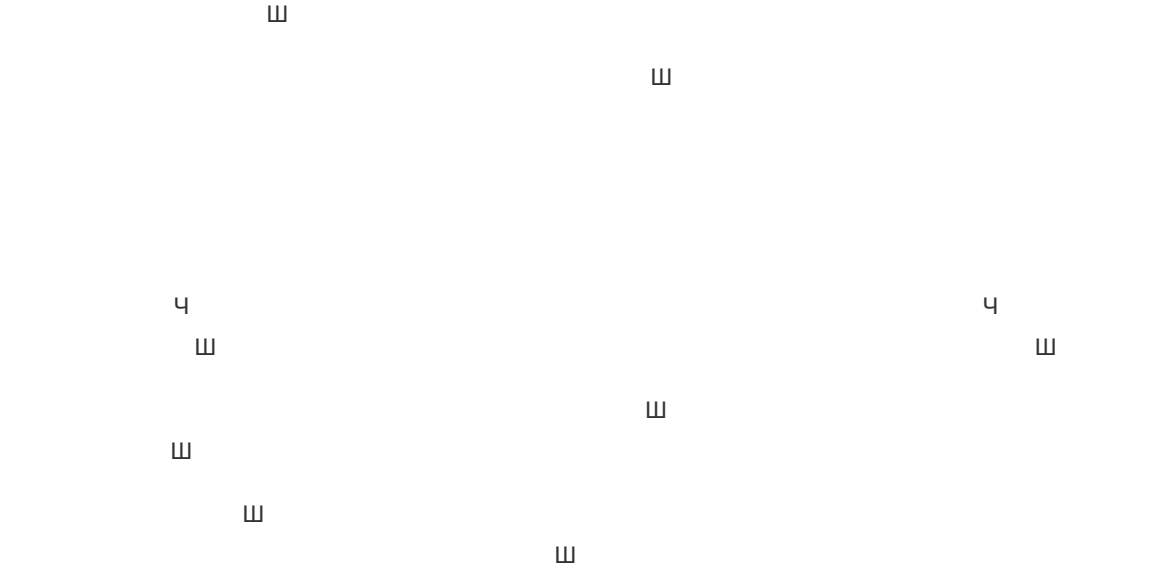
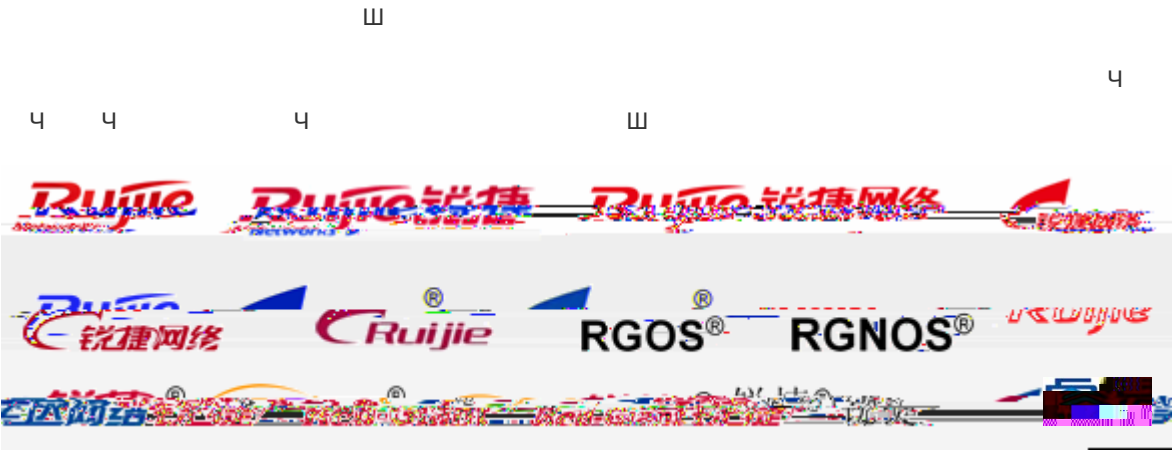


目录

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<http://www.ruijie.com.cn/>



<http://webchat.ruijie.com.cn>

1

■ RG-NBS200&2000

	10/100Base-T	10/100/1000Base-T	1000Base-X SFP	Console
RG-NBS210F-E	8	1	1	1
RG-NBS210F-S	8	1	1	1
RG-NBS210F-E-P	8(PoE+/PoE	1	1	1
RG-NBS2010G-E	\	9	1	1
RG-NBS2010G-S	\	9	1	1
RG-NBS2010G-E-P	\	9(1-8 PoE+/PoE	1	1
RG-NBS228F-E	24	2	2	1
RG-NBS228F-S	24	2	2	1
RG-NBS228F-E-P	24(PoE+/PoE	2	2	1
RG-NBS228F-E-LP	24(PoE+/PoE	2	2	1
RG-NBS2028G-E	/	26	2	1
RG-NBS2028G-S	/	26	2	1
RG-NBS2028G-E-P	/	26(1-24 PoE+/PoE	2	1
RG-NBS2028G-E-LP	/	26(1-24 PoE+/PoE	2	1

SFP 100Base-FX 100Base-FX

1000Base-T 100Base-TX 10Base-T

1.1 RG-NBS210F-E RG-NBS210F-S

	RG-NBS210F-E 4 RG-NBS210F-S	
CPU	CPU	500MHz
Flash Memory	32MB	
SDRAM	DDRIII256MB	
	B	
	 £	
SFP	1000Base-X	100Base-FX

	■ ■ 100-240V~ 90-264V~ 50/60Hz 1A ■ 12V--- 1A
EEE	
PoE	PoE
	<6W
	-5 C 55 C
	-40 C 70 C
	10% 90% RH
	5% 95% RH
EMC	GB9254-2008
	0.25mA
	GB4943-2011
× × mm	260x120x43.6
kg	1.2kg

RG-NBS210F-E ϕ RG-NBS210F-S

A

£

£

RG-NBS210F-E 4 RG-NBS210F-S

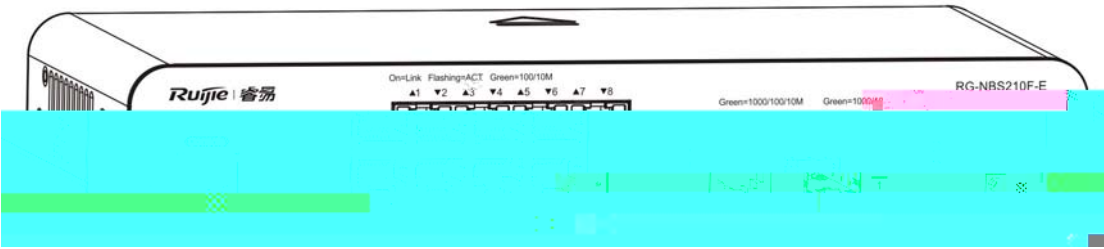
8 10/100Base-T

41 10/100/1000Base-T

41 SFP 41 Console

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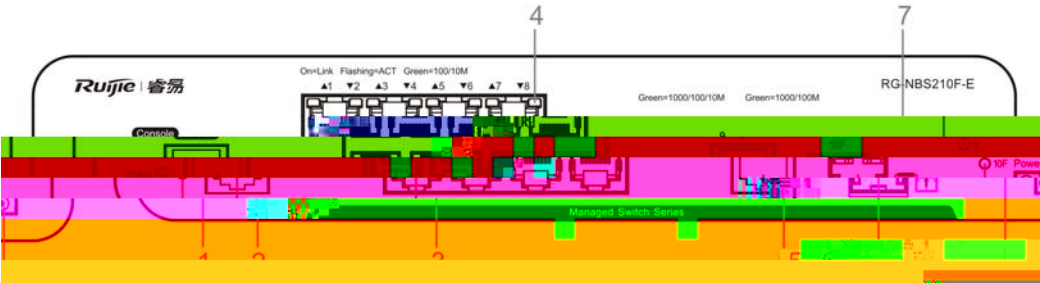
1-1 RG-NBS210F-E



1-2 RG-NBS210F-S

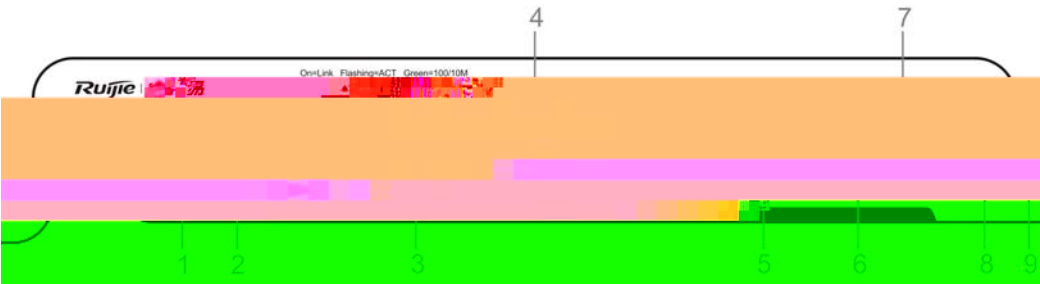


1-3 RG-NBS210F-E



ŷ	ž 1000Base-X SFP
Ÿ Console	ž
Ž 10/100Base-T	ž
ž	ŀ DC
Ž 10/100/1000Base-T	

1-4 RG-NBS210F-S



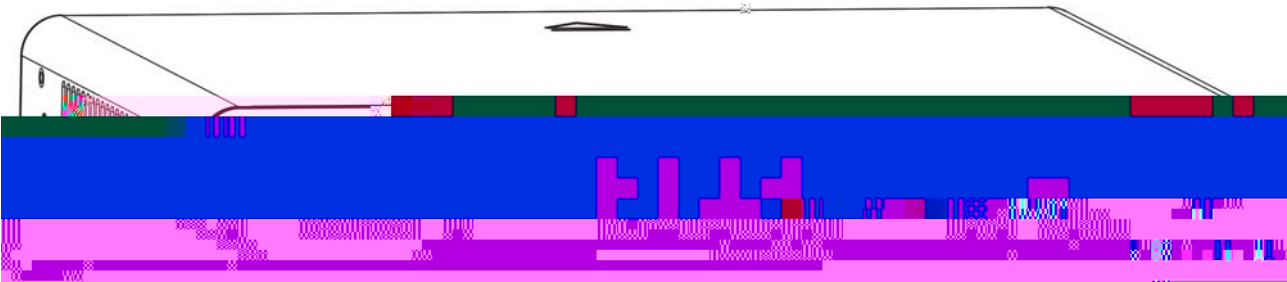
ŷ
Ÿ Console
Ž 10/100Base-T
ž
Ž 10/100/1000Base-T

1.2 RG-NBS210F-E-P

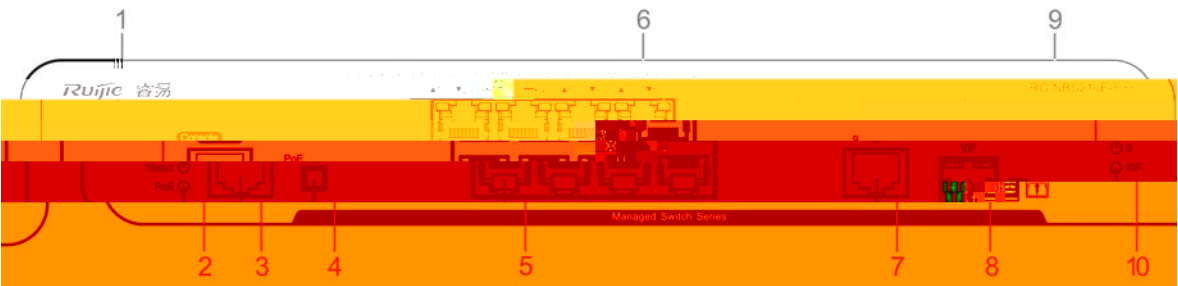
	RG-NBS210F-E-P	
CPU	CPU	500MHz
Flash Memory	32MB	
SDRAM	DDRIII256MB	
	B	
		
	£	
SFP	1000Base-X	100Base-FX
	■ AC	

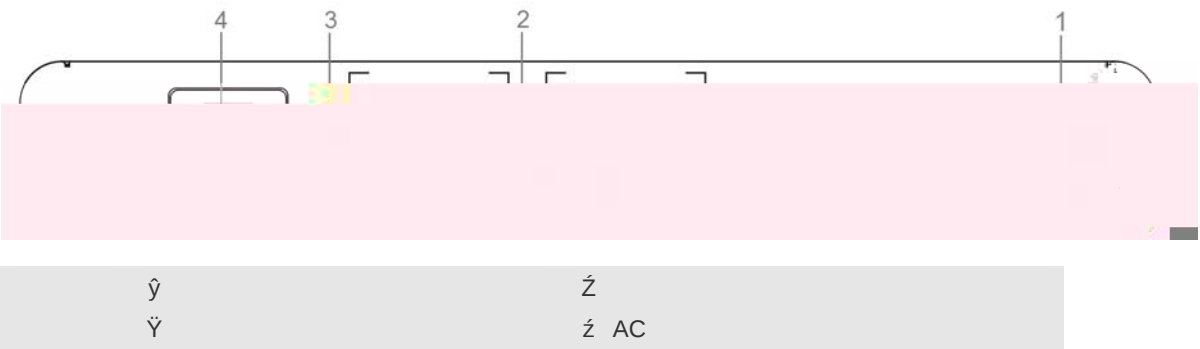
$\pm$		2	50
£			

RG-NBS210F-E-P	8	10/100Base-T	41	10/100/1000Base-T	41
SFP 41 Console		山			
1-6 RG-NBS210F-E-P					



1-7 RG-NBS210F-E-P





RG-NBS210F-E-P

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10cm

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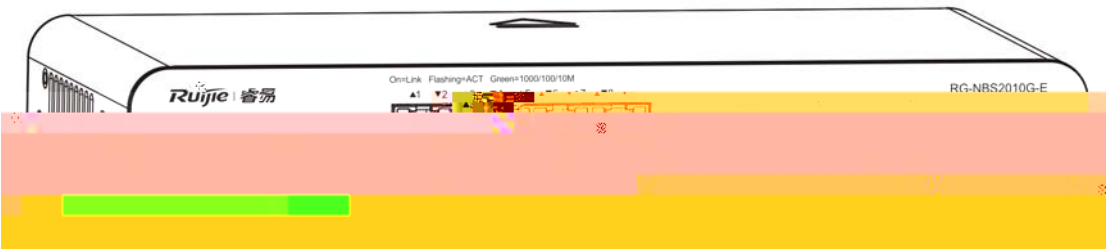
	Status		
PoE	PoE		PoE
RJ-45 PoE	1-8		PoE
			PoE
			PoE
100Mbps RJ-45	1-8		Link
			100/10M Link Up
			100/10M
1000Mbps SFP	10F		Link
			1000/100M Link Up
			1000/100M
1000Mbps RJ-45	9		Link
			1000/100/10M Link Up
			1000/100/10M

1.3 RG-NBS2010G-E RG-NBS2010G-S

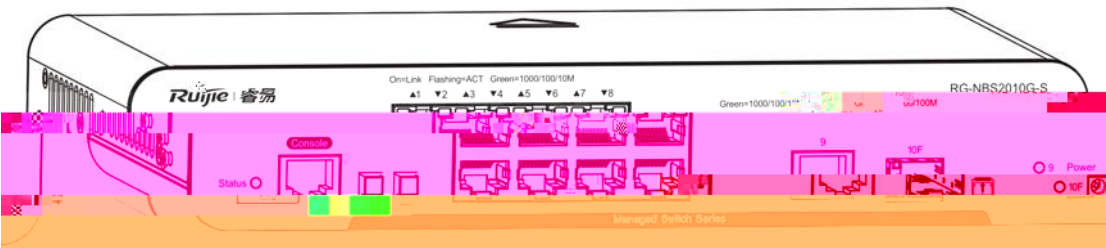
	RG-NBS2010G-E 4 RG-NBS2010G-S
--	-------------------------------

CPU	CPU500MHz
Flash Memory	32MB
SDRAM	DDRIII256MB
	B
	
	£
SFP	1000Base-X100Base-FX
	■
	■
	100-240V~
	90-264V~
	50/60Hz
	1A
	■
	12V---
	1A
EEE	
PoE	PoE
	<8W
	-5

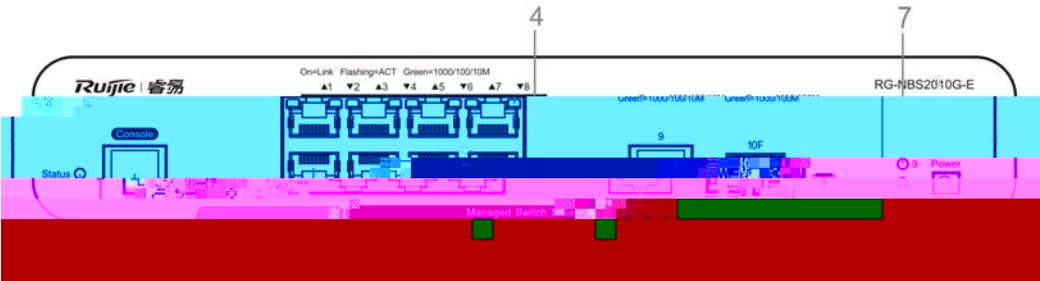
1-9 RG-NBS2010G-E



1-10 RG-NBS2010G-S

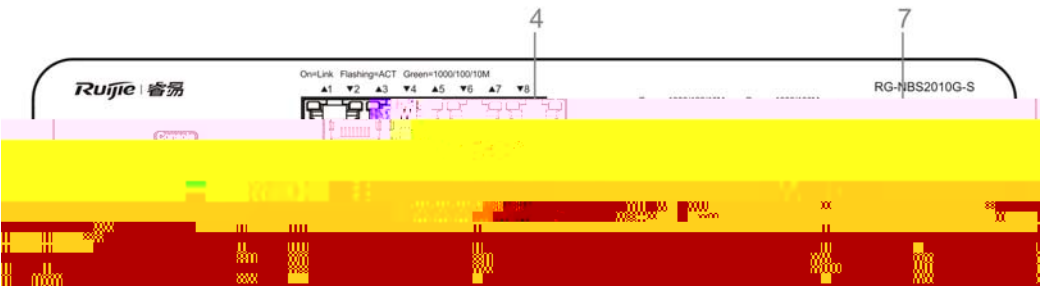


1-11 RG-NBS2010G-E



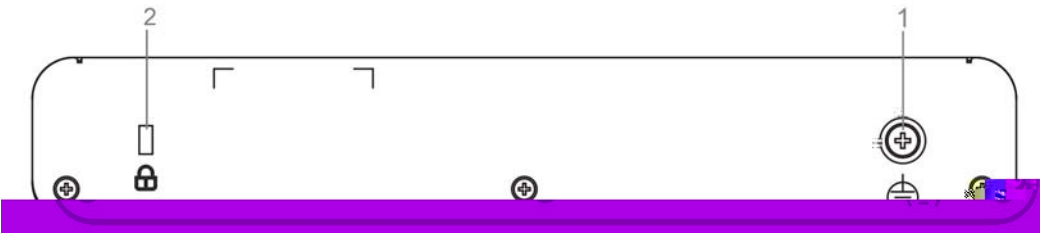
ŷ	ž 1000Base-X SFP
Ÿ Console	ž
Ž 10/100/1000Base-T	ž
ž	ŀ DC
Ž 10/100/1000Base-T	

1-12 RG-NBS2010G-S



ŷ	ž 1000Base-X SFP
Ÿ Console	ž
Ž 10/100/1000Base-T	ž
ž	ŀ DC
Ž 10/100/1000Base-T	

1-13 RG-NBS2010G-E 4 RG-NBS2010G-S



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RG-NBS2010G-E 4RG-NBS2010G-S

10cm

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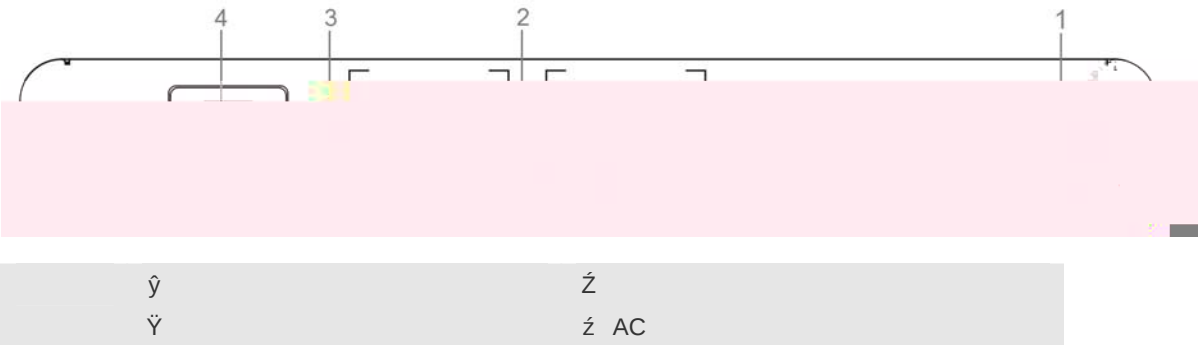
	Status		
1000Mbps RJ-45	1-9		Link
			1000/100/10M Link Up
			1000/100/10M

1000Mbps SFP	10F		Link
			1000/100M Link Up
			1000/100M

1.4 RG-NBS2010G-E-P

	RG-NBS2010G-E-P									
Flash Memory	32MB									
SDRAM	DDRIII256MB									
	 									
SFP	1000Base-X		100Base-FX							
	■ AC 100-240V~ 90-264V~ 50/60Hz 2A 10A									
EEE										
PoE	IEEE802.3af802.3at 1-8PoE30WPoE+9PoE PoE/PoE+125W									
PoE	Mode A 1-2,3-6									
	PoE<11W PoE<145W									
	-5 C 55 C									
	-40 C 70 C									
	10% 90% RH									
	5% 95% RH									
EMC	GB9254-2008									
	GB4943-2011									
	1.5mA									

1-16 RG-NBS2010G-E-P



RG-NBS2010G-E-P

10cm

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	Status		
PoE	PoE		
			PoE
RJ-45 PoE	1-8		PoE
			PoE
			PoE

EXC@66M3,6HVCC,42HVCC!

Flash Memory	32MB
SDRAM	DDRIII256MB
	B
	 
SFP	1000Base-X 100Base-FX
	■ AC 100-240V~ 90-264V~ 50/60Hz 0.6A 10A
EEE	
PoE	PoE
	<10W
	-5 C 55 C
	-40 C 70 C
	10% 90% RH
	5% 95% RH
EMC	GB9254-2008
	GB4943-2011
	Ů1.5mA
x x mm	440x189x43.6
kg	2.4kg

RG-NBS228F-E ¢ RG-NBS228F-S

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RG-NBS228F-E 4RG-NBS228F-S

24 10/100Base-T

42 10/100/1000Base-T

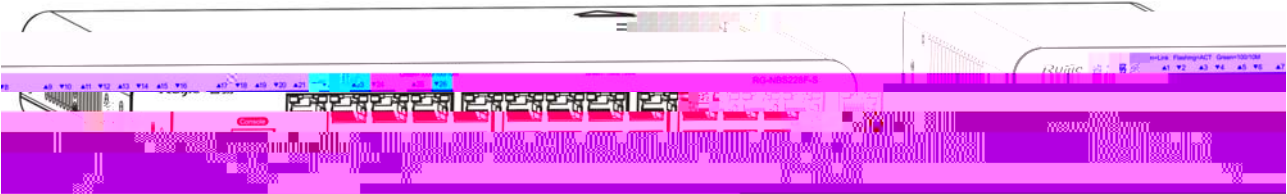
42 SFP 41 Console



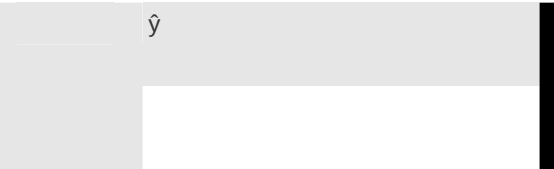
1-17 RG-NBS228F-E



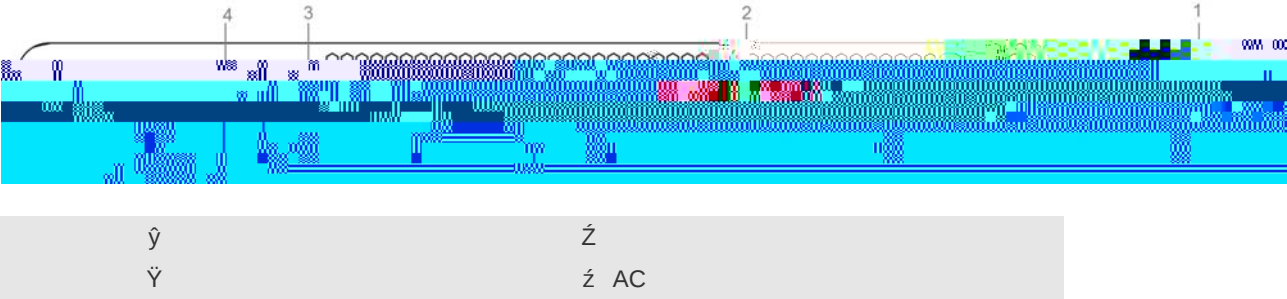
1-18 RG-NBS228F-S



1-19 RG-NBS228F-E



1-21 RG-NBS228F-E Ч RG-NBS228F-S



RG-NBS228F-E Ч RG-NBS228F-S

10cm

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	Status		
100Mbps RJ-45	1-24		Link
			100/10M Link Up
			100/10M
1000Mbps SFP	27F-28F		Link
			1000/100M Link Up
			1000/100M
1000Mbps RJ-45	25-26		Link
			1000/100/10M Link Up
			1000/100/10M

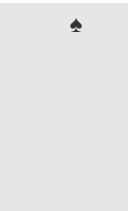
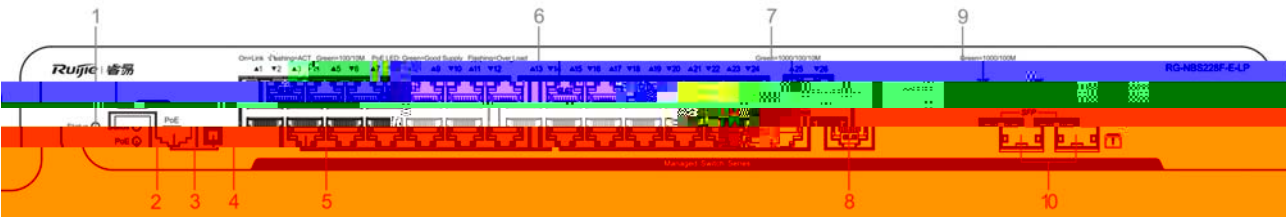
1.6 RG-NBS228F-E-LP

	RG-NBS228F-E-LP	
CPU	CPU	500MHz
Flash Memory	32MB	

SDRAM	DDRIII256MB	
	B	
		
	Ш	
SFP	1000Base-X	100Base-FX



1-23 RG-NBS228F-E-LP



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	Status		
PoE	PoE		PoE
RJ-45 PoE	1-24		PoE
			PoE
			PoE
100Mbps RJ-45	1-24		Link
			100/10M Link Up
			100/10M
1000Mbps SFP	27F-28F		Link
			1000/100M Link Up
			1000/100M
1000Mbps RJ-45	25-26		Link
			1000/100/10M Link Up
			1000/100/10M

1.7 RG-NBS228F-E-P

	RG-NBS228F-E-P	
CPU	CPU	500MHz
Flash Memory	32MB	
SDRAM	DDRIII256MB	
	B	
	 	
SFP	1000Base-X	100Base-FX

RG-NBS228F-E-P	24	10/100Base-T	42	10/100/1000Base-T	42
SFP					

RG-NBS228F-E-P

10cm

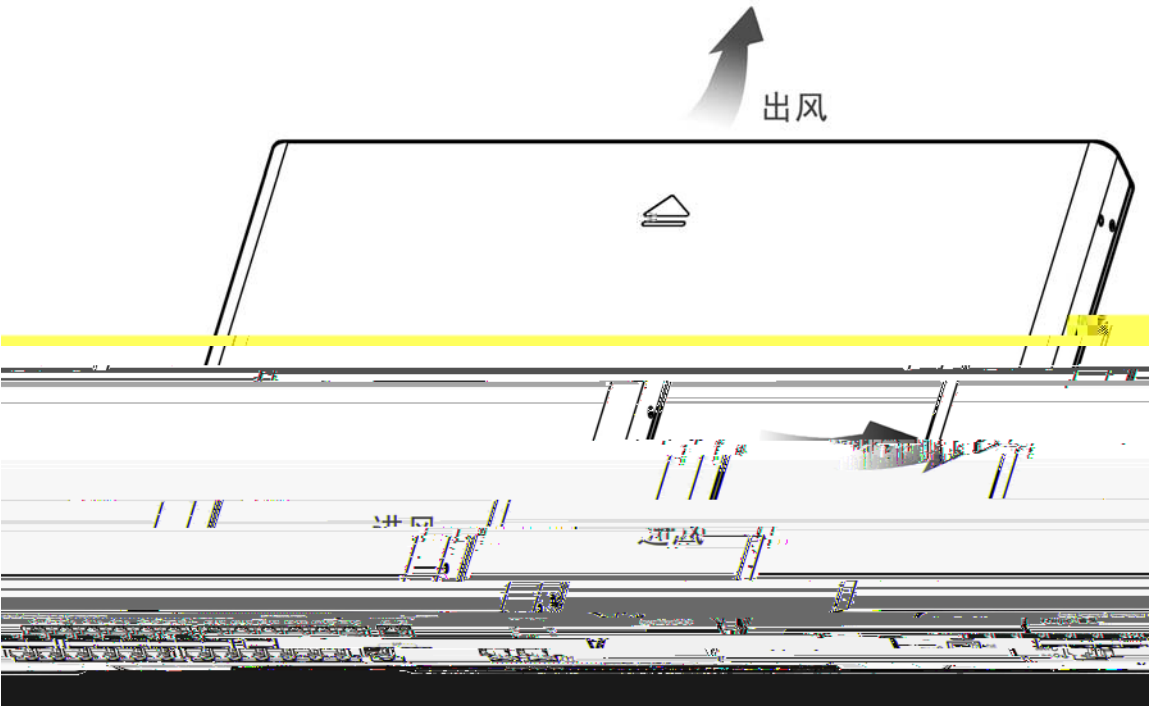
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1-29 RG-NBS228F-E-P



	Status		
PoE	PoE		
			PoE
RJ-45 PoE	1-24		PoE
			PoE
			PoE
100Mbps RJ-45	1-24		Link
			100/10M Link Up
			100/10M
			Link
			1000/100M Link Up

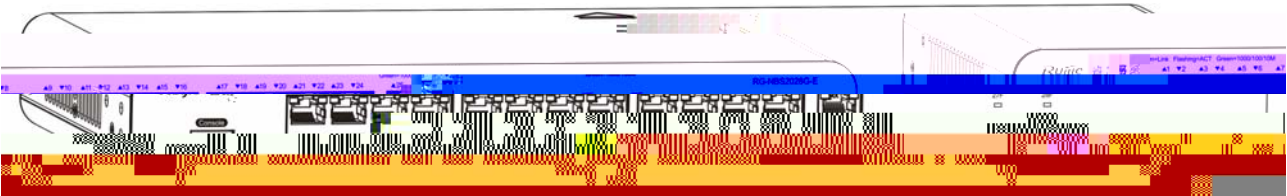
			1000/100/10M Link Up
			1000/100/10M

1.8 RG-NBS2028G-E RG-NBS2028G-S

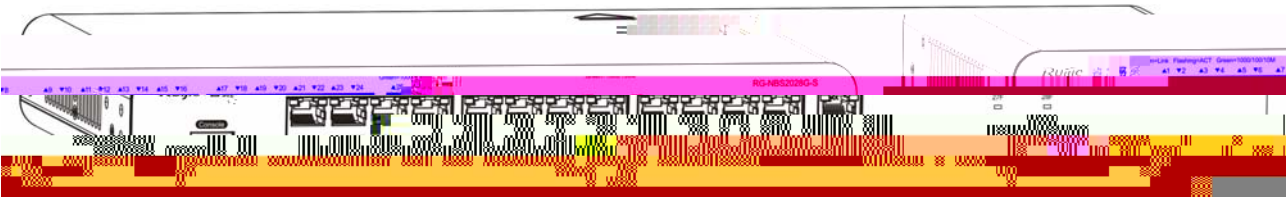
	RG-NBS2028G-E 4 RG-NBS2028G-S	
CPU	CPU	500MHz
Flash Memory	32MB	
SDRAM	DDRIII256MB	
	B	
		

RG-NBS2028G-E	RG-NBS2028G-S	A	£
		£	
	±  2	50	
£			

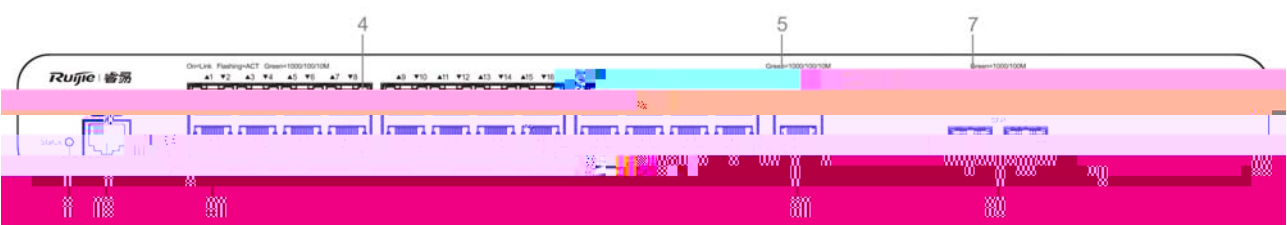
RG-NBS2028G-E	4 RG-NBS2028G-S	26	10/100/1000Base-T	42	SFP
41	Console		Ш		
1-30	RG-NBS2028G-E				



1-31 RG-NBS2028G-S

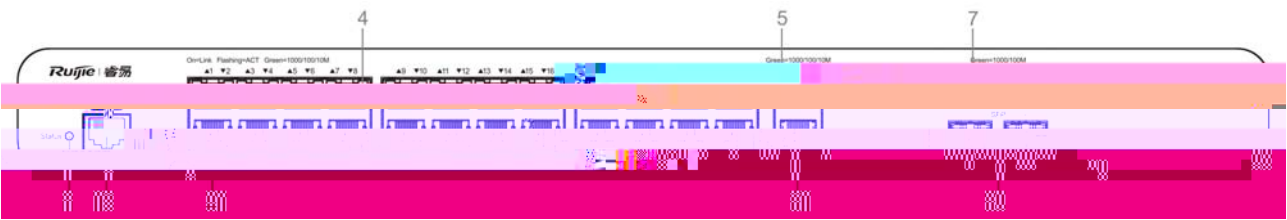


1-32 RG-NBS2028G-E



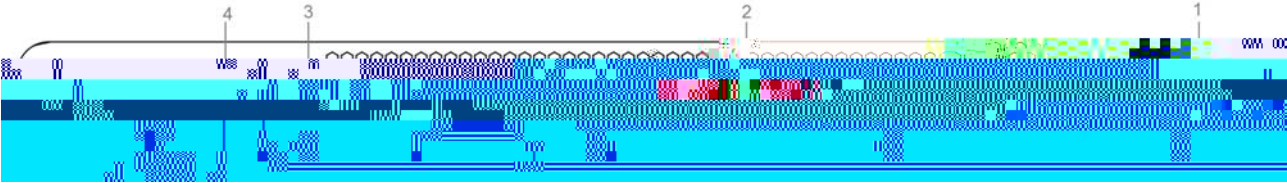
Ÿ	Ž
Ÿ Console	Ž 10/100/1000Base-T
Ž 10/100/1000Base-T	Ž
ž	ž 1000Base-X SFP

1-33 RG-NBS2028G-S



ŷ	Ž
Ÿ Console	ž 10/100/1000Base-T
Ž 10/100/1000Base-T	Ž
ž	ž 1000Base-X SFP

1-34 RG-NBS2028G-E 4RG-NBS2028G-S



ŷ	Ž
Ÿ	ž AC

RG-NBS2028G-E 4RG-NBS2028G-S

10cm 3

	Status		
1000Mbps RJ-45	1-26		Link
			1000/100/10M Link Up
			1000/100/10M
1000Mbps SFP	27F-28F		Link
			1000/100M Link Up

			1000/100M
--	--	--	-----------

1.9 RG-NBS2028G-E-LP

	RG-NBS2028G-E-LP										
CPU	CPU					500MHz					
Flash Memory	32MB										
SDRAM	DDRIII256MB										
	B										
	 Ш										
SFP	1000Base-X					100Base-FX					
	■ AC 100-240V~ 90-264V~ 50/60Hz 4A 10A										
	EEE										
	PoE	IEEE802.3af 802.3at									
		1-24	PoE			30W	PoE+	25-26	PoE		
		PoE/PoE+			185W						
PoE	Mode A	1-2,3-6									
	PoE <25W										
	PoE <226W										
	-5 C	55 C									
	-40 C	70 C									
	10%	90% RH									
	5%	95% RH									
EMC	GB9254-2008										
	GB4943-2011										
	Ů1.5mA										
× × mm	440x292x43.6										
kg	4.2kg										

ŷ	Ž
Ÿ	ž AC

RG-NBS2028G-E-LP

10cm

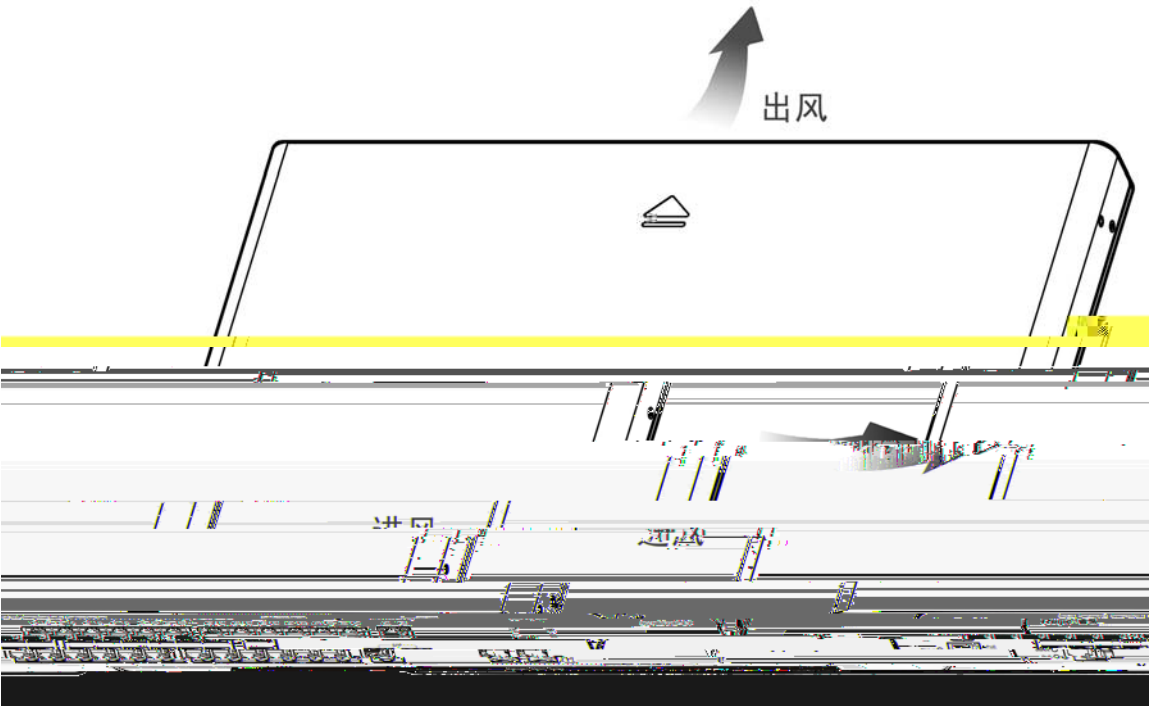
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1-38 RG-NBS2028G-E-LP



	Status		
PoE	PoE		PoE
RJ-45 PoE	1-24		PoE
			PoE
			PoE
1000Mbps RJ-45	1-26		Link
			1000/100/10M Link Up
			1000/100/10M

1000Mbps SFP	27F-28F		Link
			1000/100M Link Up
			1000/100M

1.10 RG-NBS2028G-E-P

	RG-NBS2028G-E-P		
CPU	CPU	500MHz	
Flash Memory	32MB		

× × mm	440x292x43.6
kg	4.2kg

RG-NBS2028G-E-P	A	£
	£	

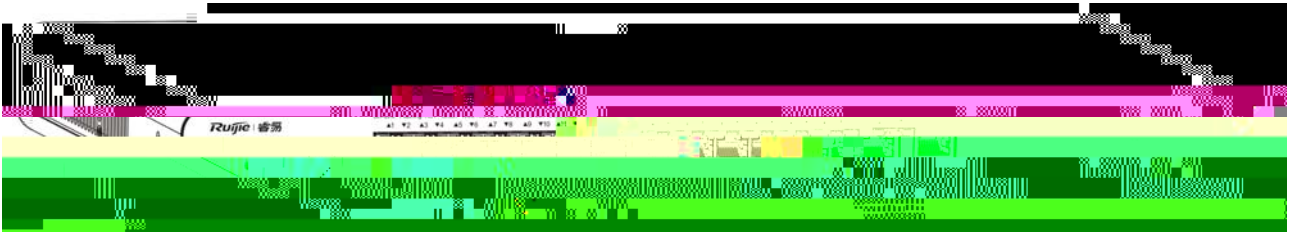
RG-NBS2028G-E-P

2610/100/1000Base-T

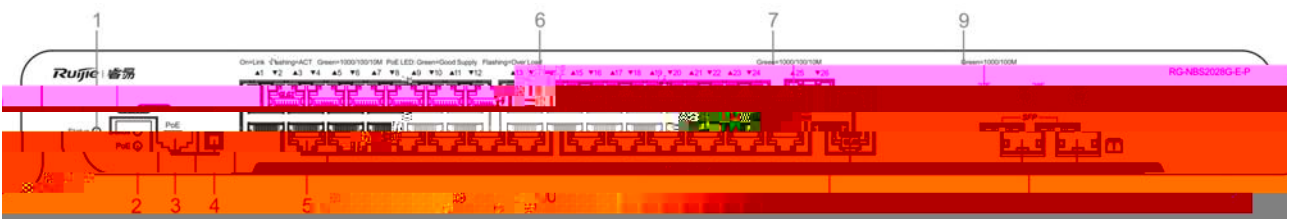
2SFP4Console

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1-39 RG-NBS2028G-E-P

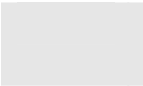
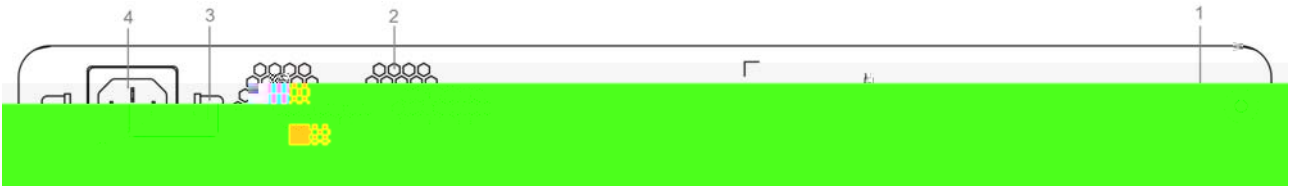


1-40 RG-NBS2028G-E-P



ŷ	ž
Ÿ PoE	Ž
Ž Console	ž 10/100/1000Base-T
ž PoE	ı
Ž 10/100/1000Base-T	f 1000Base-X SFP

1-41 RG-NBS2028G-E-P



RJ-45 PoE	1-24		PoE
			PoE
			PoE
1000Mbps RJ-45	1-26		Link
			1000/100/10M Link Up
			1000/100/10M
1000Mbps SFP	27F-28F		Link
			1000/100M Link Up
			1000/100M

2

2.1

	RG-NBS200&2000	Ш
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■			Ч	Ш	
■			Ш		

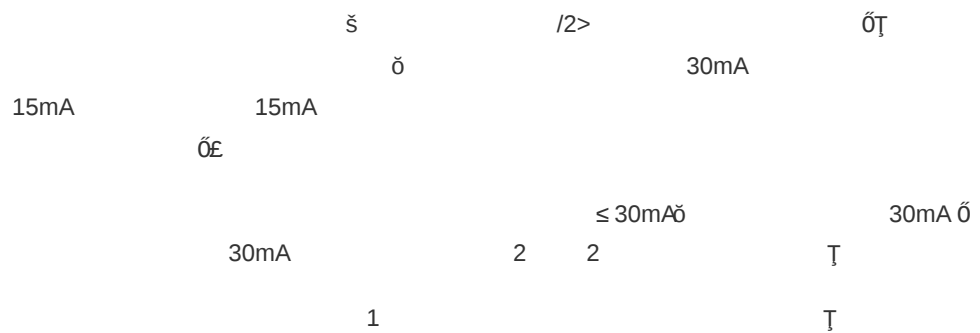
2.1.2

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■			Ш		

2.1.3

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■				Ш	

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		2 ő	š	20	≤ 1.5mA
	30mA Т	30mA			<10 ő
/2/		=30/2/1.5=10 ő	30mA		10
20	2	30mA			10 £



2.1.4

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- W
- W

2.1.5

RG-NBS200&2000

- \$!2#0.36hBpX0a02RbN1GFEEG17&AN000@AY4@

2.2.2



RG-NBS200&2000 Ч

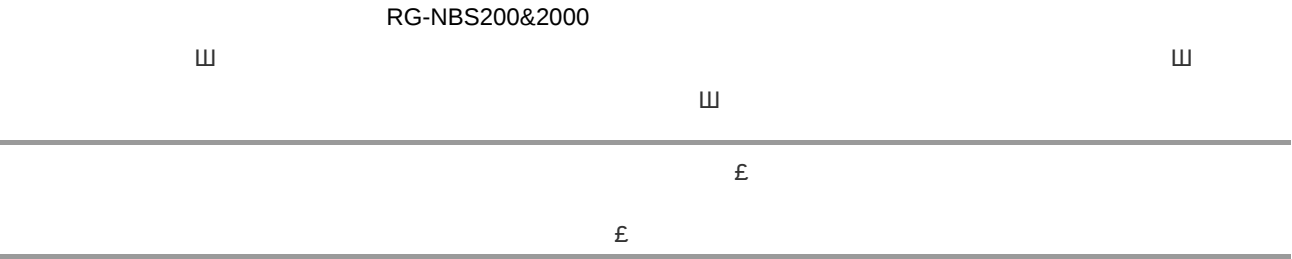
-5 C-55 C	10%-90%

§

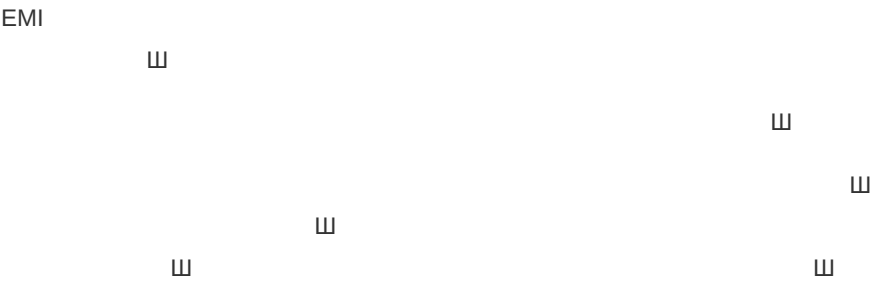
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2.2.6



2.2.7 EMI



3

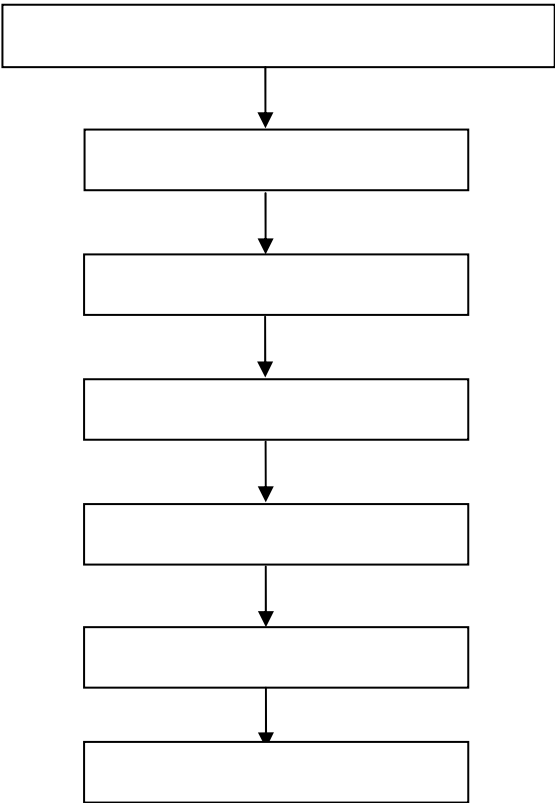


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3.1



3.2

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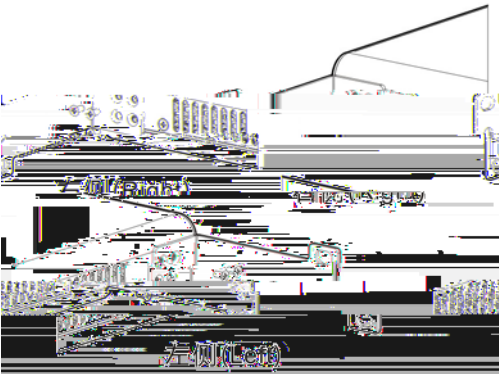
3.3 RG-NBS200&2000

■		Ш		
■		Ш		ШШ
■	RG-NBS200&2000	Ш		
■	10		Ш	
■	RG-NBS200&2000		4	4
		Ш		
■		Ш		Ш

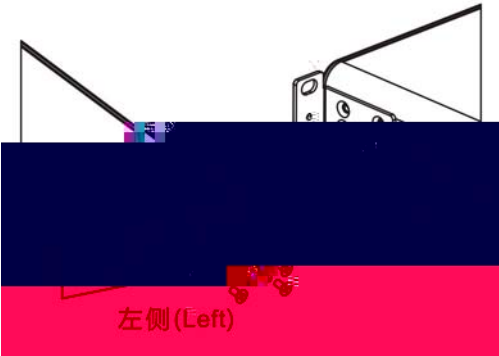
3.3.1

RG-NBS200&2000	EIA	19		
	,		3-1	3-2 Ш

3-1 8

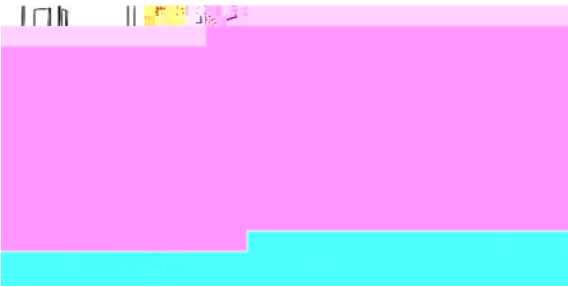


3-2 24

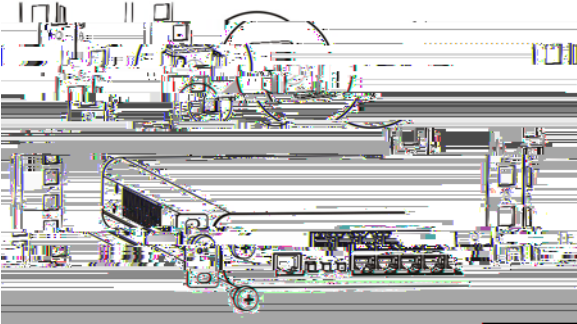


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		3-5	3-6 Ш	

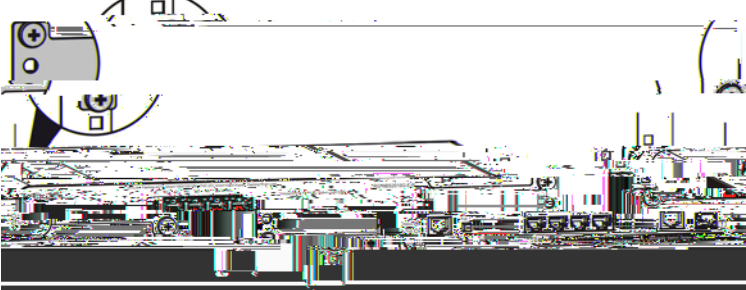
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RG-NBS200&2000

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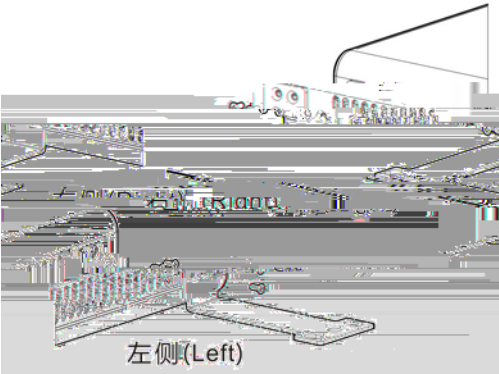
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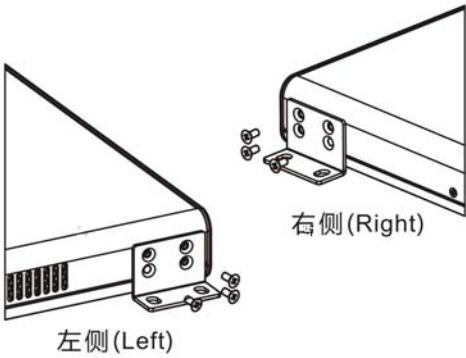
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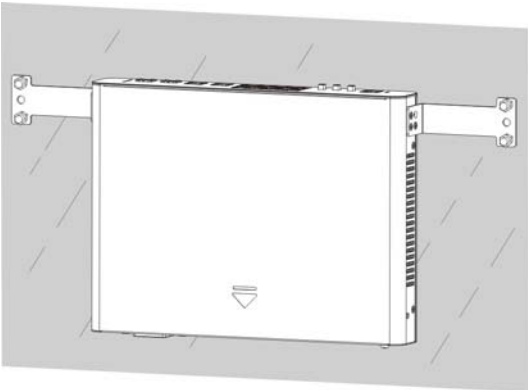


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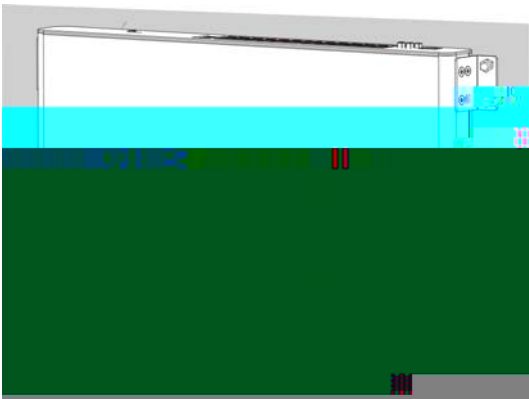


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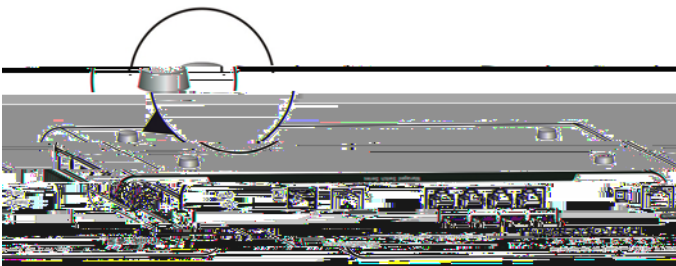
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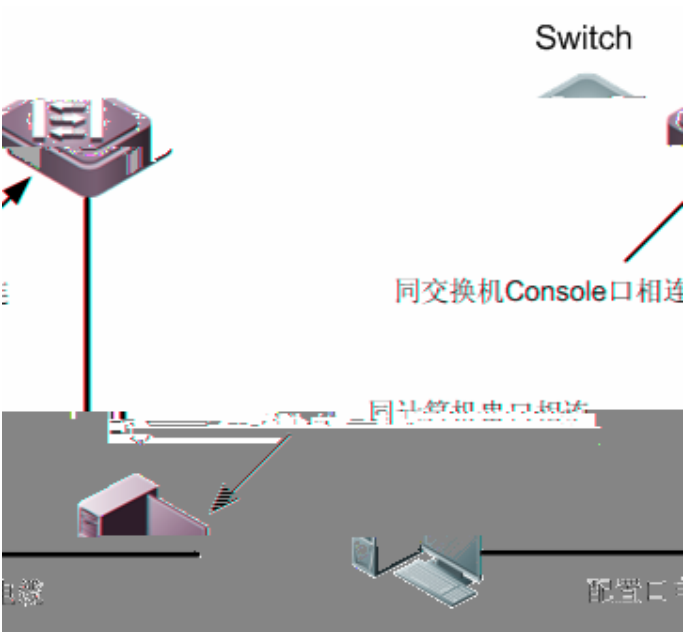
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PC

Console

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PC

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- RJ-45

Console

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- PC

PC

Windows3.1

Terminal

Windows 95/98/NT/2000/XP

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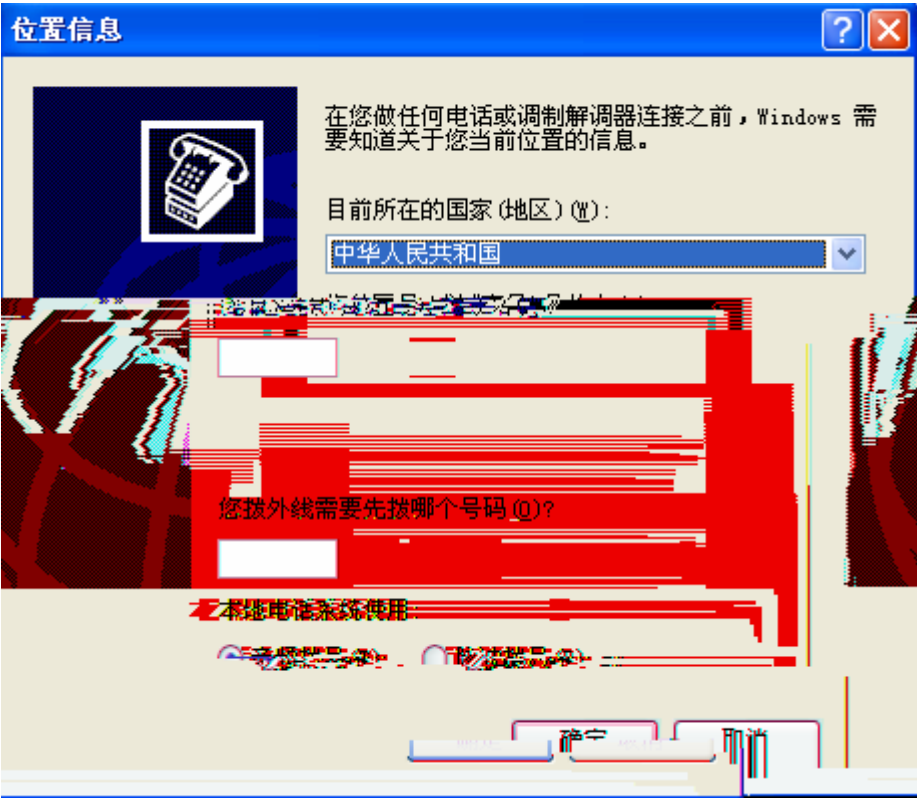
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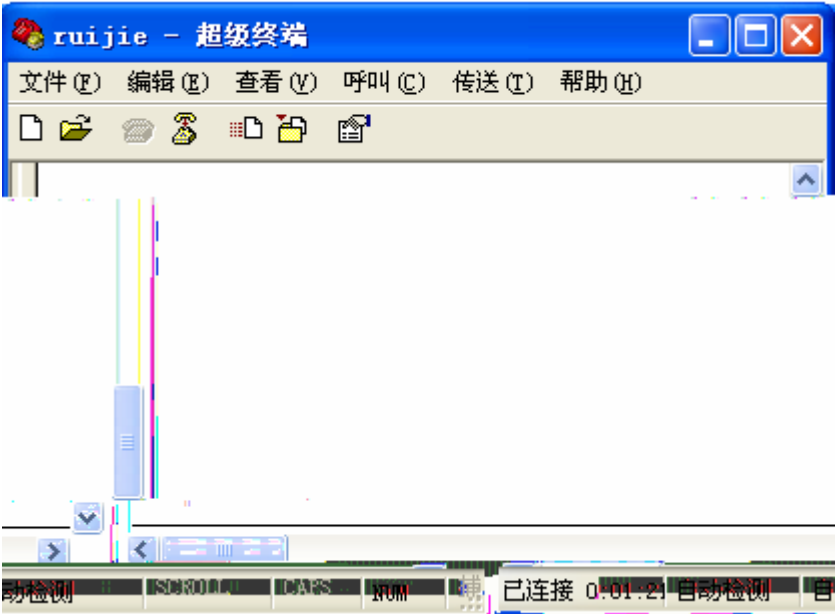
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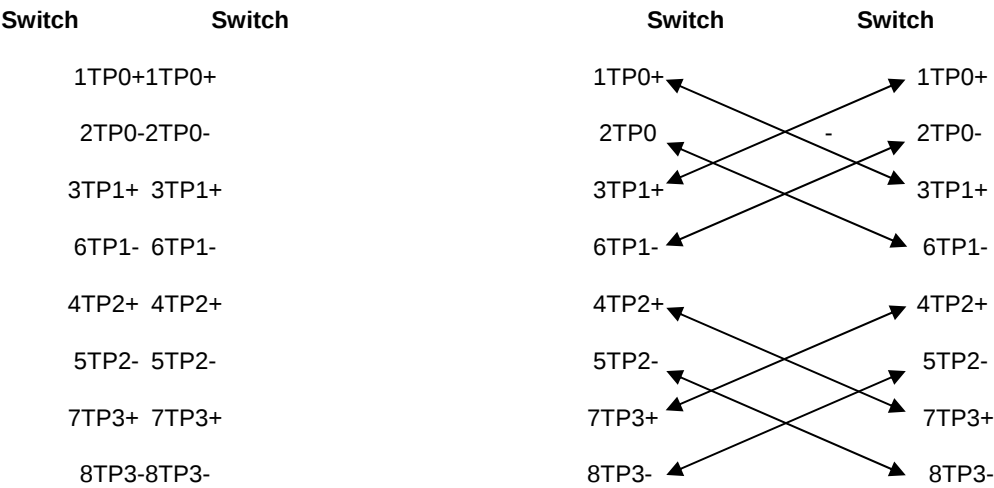
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A —

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

1000BASE-T/100BASE-TX/10BASE-T					MDI/MDIX Crossover	
⌵						
1000BASE-T	IEEE 802.3ab		100-ohm 5	5	UTP	STP
	STP	100	⌵			
1000BASE-T	4		4	⌵1000BASE-T		
A-1						
A-1 1000BASE-T						



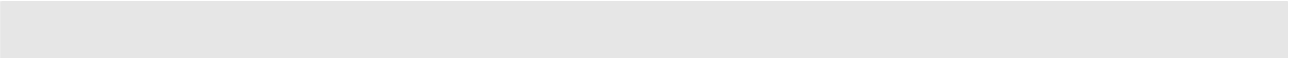
100BASE-TX/10BASE-T		10Mbps	100-ohm 3 4 5	100Mbps		
100-ohm 5	100	⏏	100BASE-TX/10BASE-T			
A-2						
A-2 100BASE-TX/10BASE-T						

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 4 5 4 7 4 8	Not Used	Not Used

100BASE-TX/10BASE-T

A-3

A-3 100BASE-TX/10BASE-T



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 -			

B —Mini-GBIC

 SFP
  Mini-GBIC
  SFP
  Mini-GBIC
  SFP
  Mini-GBIC
  SFP
  Mini-GBIC

B-1 Mini-GBIC SFP

	(nm)		DDM (Yes/No)	(dBm)		(dBm)	
				min	max	min	max
FE-SFP-LX-MM1310	1310		Yes	-22	-14	-30	-14
FE-SFP-LX-MM1310-SGMII	1310		No	-20	-15	-28	-8
FE-SFP-LH15-SM1310	1310		Yes	-15	-8	-28	-8
FE-SFP-LH20-SM1310-SGMII	1310		No	-15	-8	-28	-8
FE-SFP-LX20-SM1310-BIDI	1310TX/15 50RX		Yes	-15	-7	-28	-8
FE-SFP-LX20-SM1550-BIDI	1550TX/13 10RX		Yes	-15	-7	-28	-8
FE-SFP-LH40-SM1310-BIDI	1310TX/15 50RX		Yes	-7	-2	-32	-8
FE-SFP-LH40-SM1550-BIDI	1550TX/13 10RX		Yes	-7	-2	-32	-8
FE-eSFP-LH15-SM1310	1310		Yes	-15	-8	-28	-8
Mini-GBIC-SX	850		No	-9.5	-3	-17	0
Mini-GBIC-LX	1310		No	-9.5	-3	-20	-3
GE-eSFP-SX-MM850	850		Yes	-9.5	-3	-17	0
GE-eSFP-LX-SM1310	1310		Yes	-9.5	-3	-20	-3
GE-SFP-LX-SM1310	1310		No	-9.5	-3	-20	-3
Mini-GBIC-LH40	1310		Yes	-2	3	-22	-3
GE-SFP-SX-SM1310-BIDI	1310		No	-10	-5	-17	-3
GE-SFP-SX-SM1550-BIDI	1550		No	-10	-5	-17	-3
GE-SFP-LX20-SM1310-BIDI	1310TX/15 50RX		Yes	-9	-3	-20	-3
GE-SFP-LX20-SM1550-BIDI	1550TX/13 10RX		Yes	-9	-3	-20	-3
GE-SFP-LH40-SM1310-BIDI	1310TX/15 50RX		Yes	-5	0	-24	-1
GE-SFP-LH40-SM1550-BIDI	1550TX/13 10RX		Yes	-5	0	-24	-1
Mini-GBIC-ZX50	1550		Yes	-5	0	-22	-3

Mini-GBIC-ZX80	1550		Yes	0	4.7	-22	-3
Mini-GBIC-ZX100	1550		Yes	0	5	-30	-9
SDH155-SFP-SX-MM850	850		No	-10	-4	-25	0
SDH155-SFP-SX-MM1310	1310		No	-20	-14	-30	-14
SDH155-SFP-LH15-SM1310	1310		No	-15	-8	-28	-8
SDH155-SFP-LH40-SM1310	1310		No	-5	0	-34	-8
SDH155-SFP-LH80-SM1550	1550		No	-5	0	-34	-8
GE-SFP-SX	850		No	-9.5	-3	-17	0
GE-SFP-LX	1310		No	-9.5	-3	-20	-3

B-2 SFP

	1000Base-T SFP	DDM(Yes/No)
1000Base-T	Mini-GBIC-GT	No

B-3 SFP

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
GE-SFP-LX-SM1310	LC		9/125	10km
Mini-GBIC-LH40	LC		9/125	40km
GE-SFP-SX-SM1310-BIDI	LC		50/125	500m
GE-SFP-SX-SM1550-BIDI	LC		50/125	500m
GE-SFP-LX20-SM1310-BIDI	LC		9/125	20km
GE-SFP-LX20-SM1550-BIDI	LC		9/125	20km
GE-SFP-LH40-SM1310-BIDI	LC		9/125	40km
GE-SFP-LH40-SM1550-BIDI	LC		9/125	40km
Mini-GBIC-ZX50	LC		9/125	50km
Mini-GBIC-ZX80	LC		9/125	80km
Mini-GBIC-ZX100	LC		9/125	100km
SDH155-SFP-SX-MM850	LC		62.5/125	500m
SDH155-SFP-SX-MM1310	LC		62.5/125	2km
SDH155-SFP-LH15-SM1310	LC		9/125	15km
SDH155-SFP-LH40-SM1310	LC		9/125	40km
SDH155-SFP-LH80-SM1310	LC		9/125	80km
GE-SFP-SX	LC		62.5/125	275m

			50/125	550m
GE-SFP-LX	LC		9/125	10km
Mini-GBIC-GT	RJ45	5		100m

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			£	
SFP				
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B-8 BIDI

/	
/500m	GE-SFP-SX-SM1310-BIDI GE-SFP-SX-SM1550-BIDI
/20km	GE-SFP-LX20-SM1310-BIDI GE-SFP-LX20-SM1550-BIDI
/40km	GE-SFP-LH40-SM1310-BIDI GE-SFP-LH40-SM1550-BIDI

BIDI	GE-SFP-LX20-SM1310-BIDI
GE-SFP-LX20-SM1550-BIDI	£

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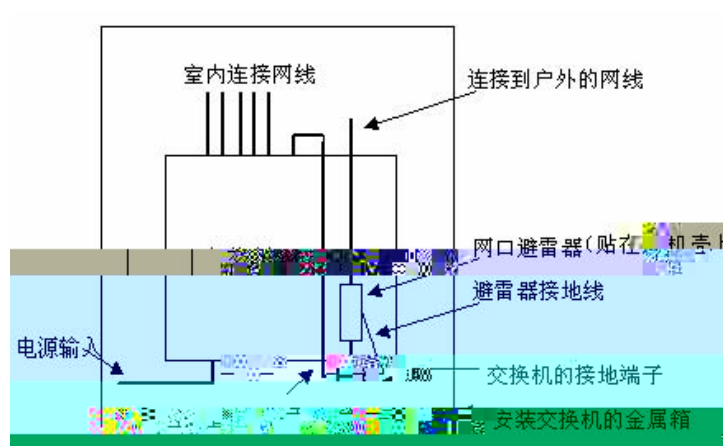
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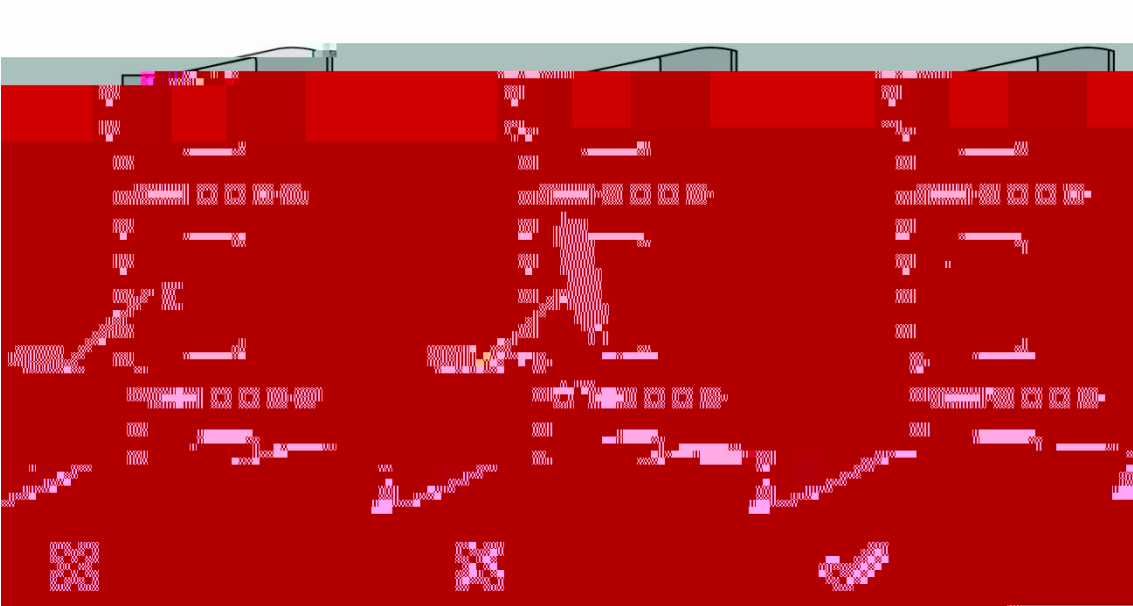
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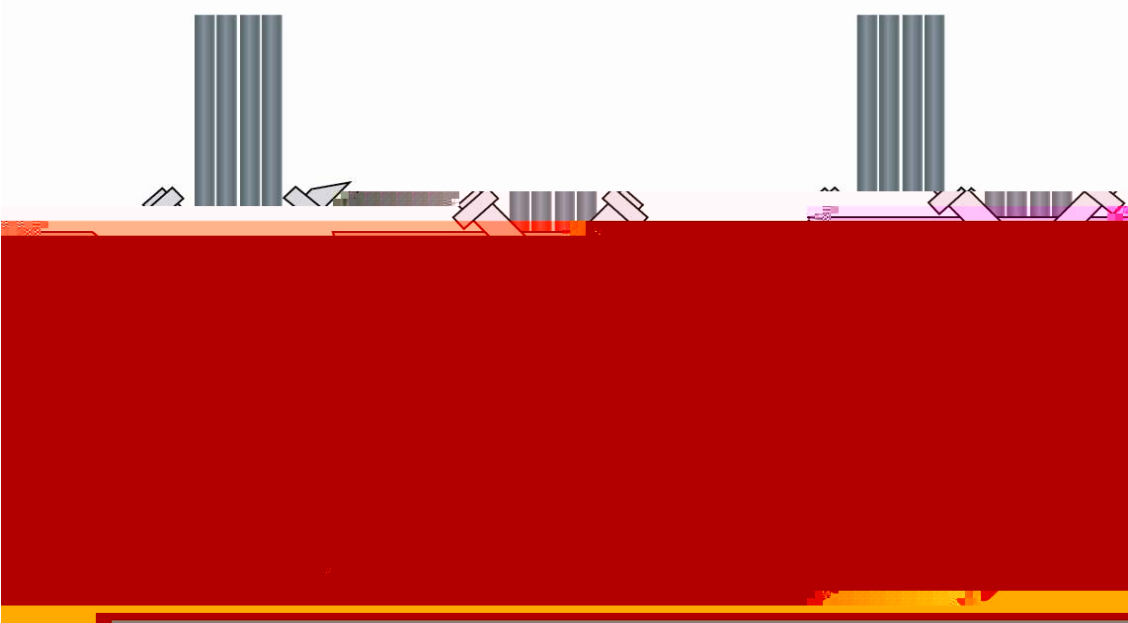
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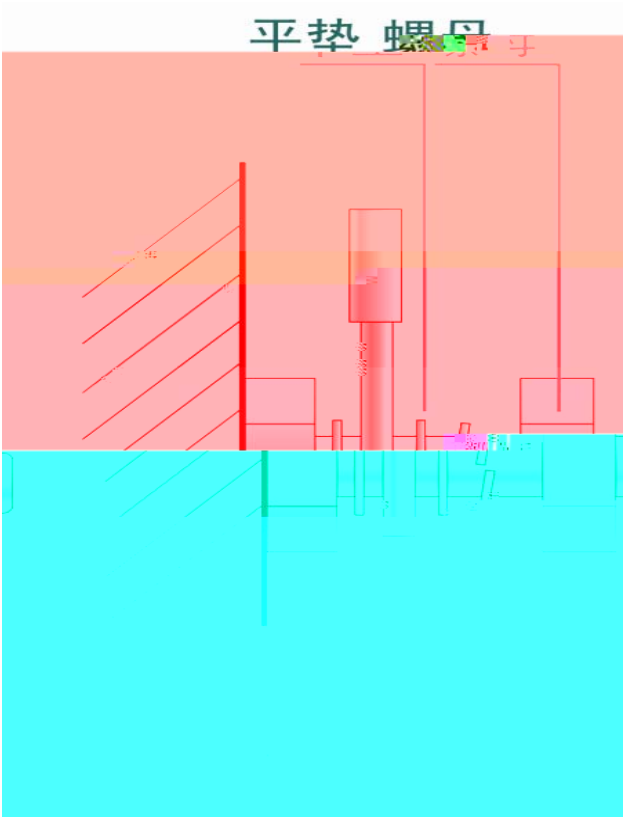


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