

RG-NBS5750-E



V1.12

2022-01-10

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1.



2.

1

■ RG-NBS5750-E

	10/100/1000Base-T	1000Base-X SFP	Console	SFP+	MGMT	USB	MiniUSB	
RG-NBS5750-28GT4XS-E	28	4(Combo)	1	4	1	1	1	

 1000Base-T	100Base-TX	10Base-T
 Combo	1000Base-X SFP	10/100/1000Base-T
 SFP+	10Gbase-R	1000base-X

RG-NBS5750-28GT4XS-E

- MGMT 10/100/1000M RJ45
DCMI Data Center Manageability Interface
- USB Universal Serial BUS USB
- Console RS-232 RJ45
- MiniUSB PC F MiniUSB

 RG-NBS5750-28GT4XS-E	Console	MiniUSB
	Console	MiniUSB
 RG-NBS5750-E	A	

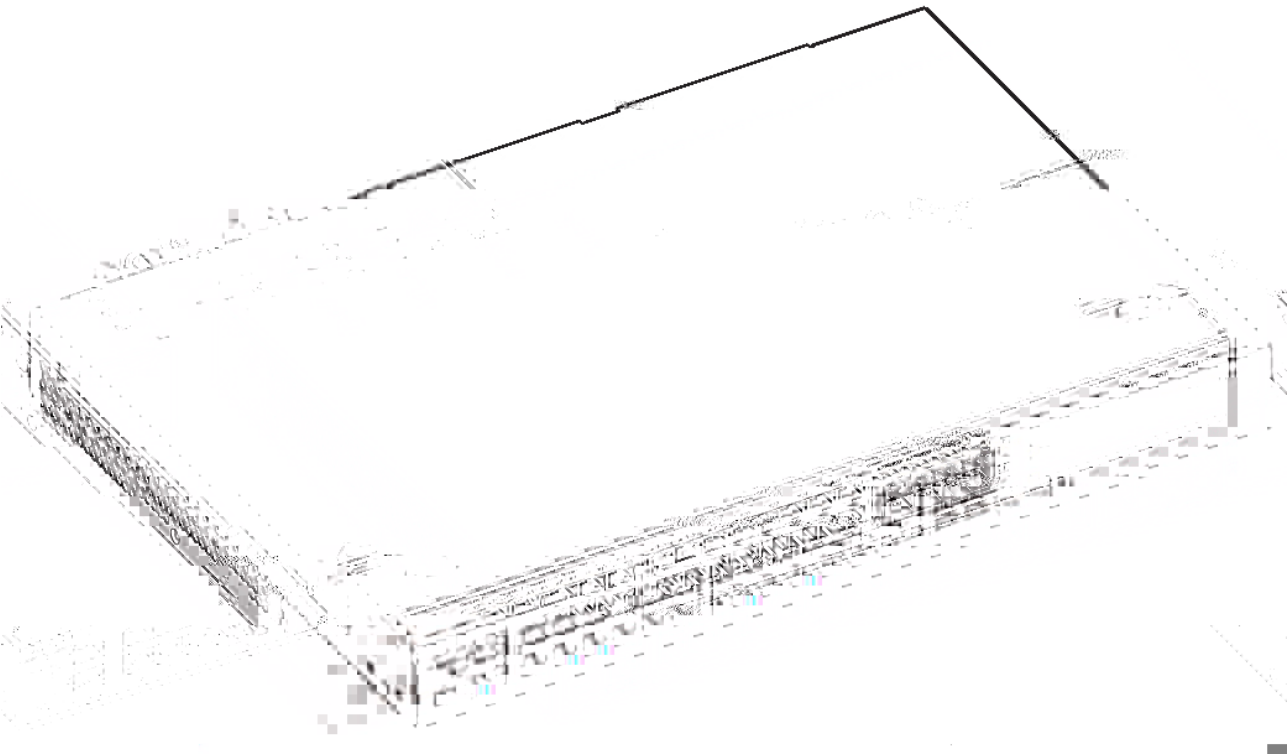
1.1 RG-NBS5750-28GT4XS-E

	RG-NBS5750-28GT4XS-E
CPU	1.0G
BOOTROM	8MB
Flash Memory	512MB
SDRAM	1GB

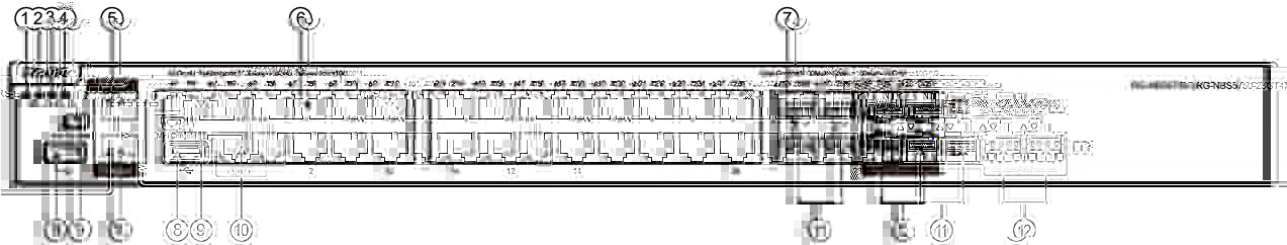
	B	
		
	■ 2	
	■	RG-PA70I
	AC	
		100-240V~
		90-264V~
		50-60Hz
		2A
		HVDC
		240VDC
		192-288VDC
		2A
SFP	1000Base-X	
	100Base-X	
SFP Plus	10GBase-R	
	1000Base-X	
	<45W	
	0°C ~ 50°C	
	-40°C ~ 70°C	
	10% ~ 90% RH	
	0~5000m	
	5% ~ 95% RH	
EMI	GB9254-2008CLASS A	
	GB4943-2011	
x x mm	440×280×44	
kg	3.9kg	

RG-NBS5750-28GT4XS-E			28	10/100/1000Base-T	4	Combo SFP	
4	SFP Plus	1	MGMT	1	USB	1	MiniUSB
	Console			Miniusb		1	Console
							2

1-1 RG-NBS5750-28GT4XS-E



1-2 RG-NBS5750-28GT4XS-E



1		7
2	(PWR1)	8 USB
3	(PWR2)	9 MiniUSB
4	MGMT	10 MGMT
5	Console	11 SFP
6	10/100/1000Base-T	12 SFP+

1-3 RG-NBS5750-28GT4XS-E

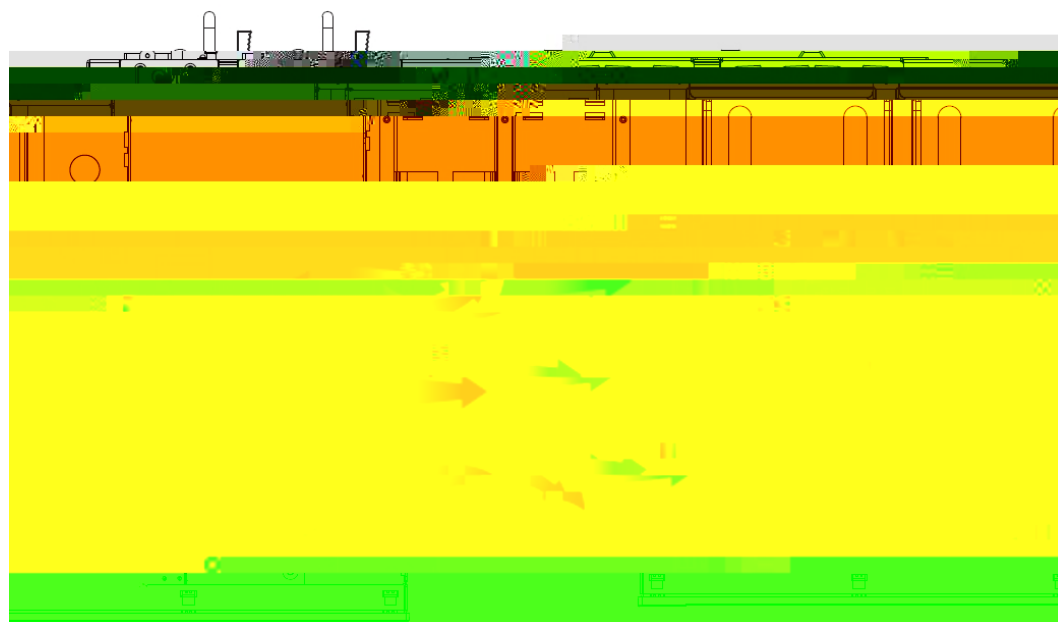
1.2

2



10cm

1-4



	Status		
		3HZ	3HZ
		10HZ	
		1 2	
			5.2
	PWR1/PWR2		
			AC
MGMT	MGMT		Link
			1000M Link Up
			1000M
			100/10M Link Up
			100/10M
SFP+	29F-32F		Link
			10G/1G Link Up
			10G/1G
SFP	25F-28F		Link
			1000M Link Up
			1000M
			100M Link Up
			100M
10/100/1000Base-T	1-28		Link
			1000M Link Up
			1000M
			100/10M Link Up
			100/10M

1.2

RG-NBS5750-28GT4XS-E
12V

RG-PA70I

RG-PA70I
70W

HVDC



RG-NBS5750-28GT4XS-E

RG-PA70I



1

2

2

2



RG-PA70I

	RG-PA70I
	RG-NBS5750-28GT4XS-E
	AC 100Vac~240Vac;50/60Hz HVDC 240VDC
	AC 90Vac~264Vac; 47/63Hz HVDC 192VDC-288VDC
	2A MAX
	12V
	5.83A
	70W
	1.75mA
X X	156mm*50.5mm*38mm
kg	0.395kg
	-10 ~+50
	-40 ~+70
	10%~90%
	5%~95%
	0~5000m

RG-PA70I

I2C	I2C
	1+1
	1+1

RG-PA70I

	DC OK		RG-PA70I
			RG-PA70I

2

2.1

 RG-NBS5750-E



2.1.1

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2.1.2

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2.1.3

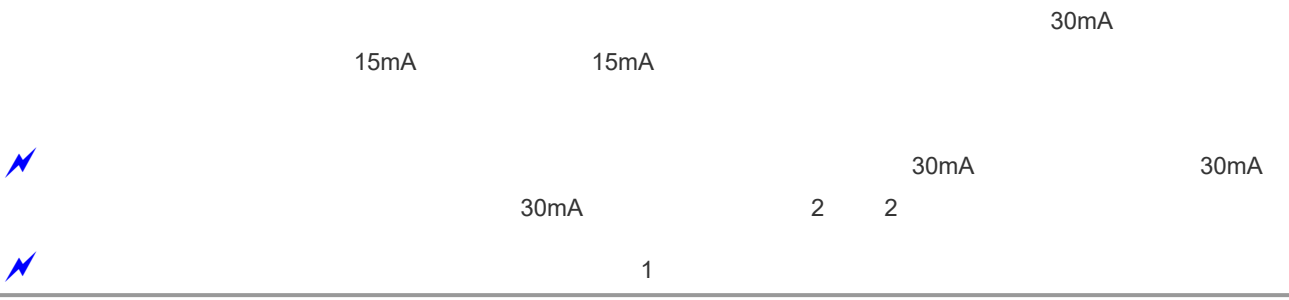
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			2		16		
3.5mA		56mA	30mA			<5	
	/2/		=30/2/3.5 4.28	30mA			
4		16	4 30mA				4
					/2>		



2.1.4



2.1.5



2.2

2.2.1



2.2.2

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■

RG-NBS5750-E

0°C-50°C	10%-90%



1.5m

0.4m

2.2.3

0.5 m	/ m ³	3.5 10 ⁶
5 m	/ m ³	3 10 ⁴

	(mg/m ³)	(mg/m ³)
SO ₂	0.3	1.0
H ₂ S	0.1	0.5
NO ₂	0.5	1.0
Cl ₂	0.1	0.3



30

2.2.4

■

TN

PE

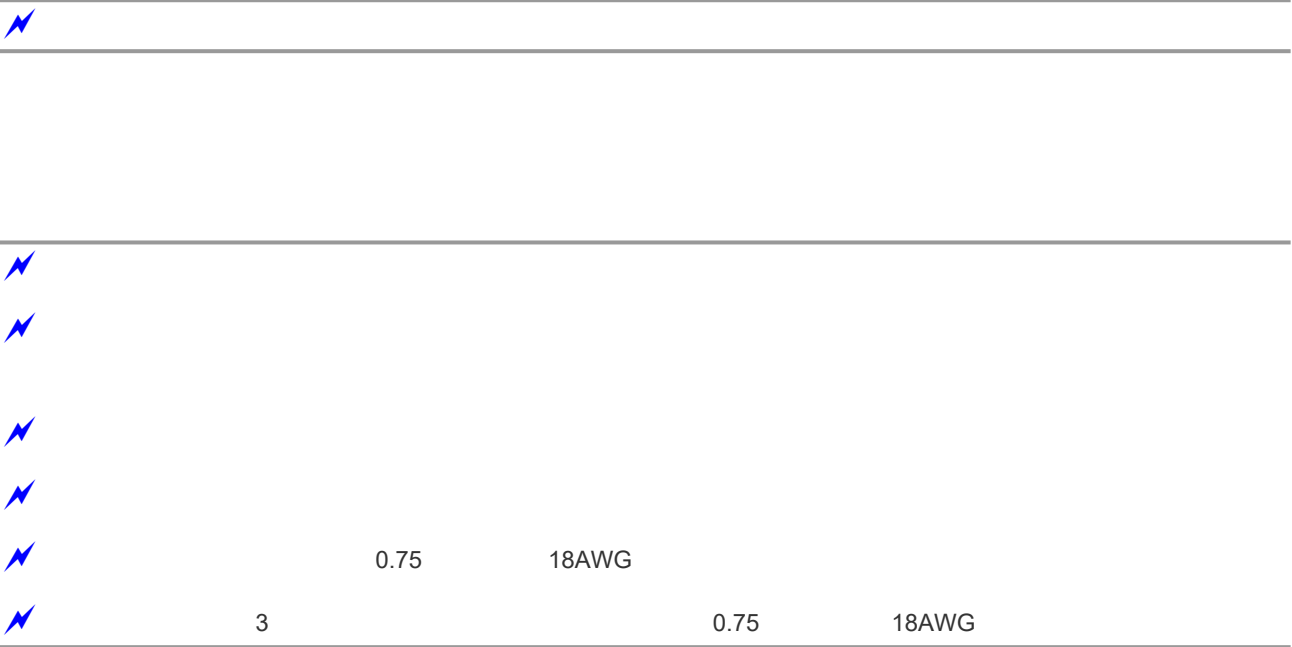
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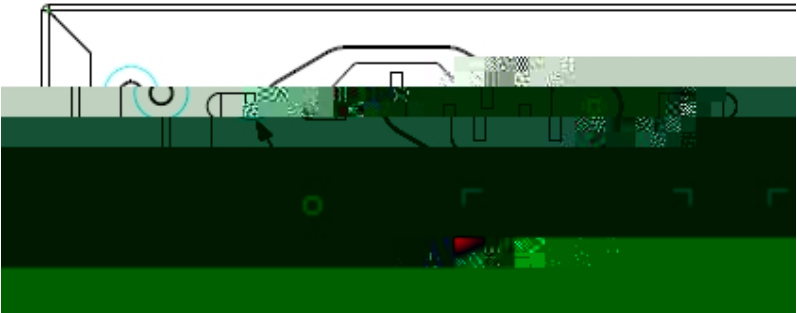
2.2.5

RG-NBS5750-E



1Ω RG-NBS5750-E 1 2-1

2-1RG-NBS5750-E



2.2.6

RG-NBS5750-E



2.2.7 EMI

EMI

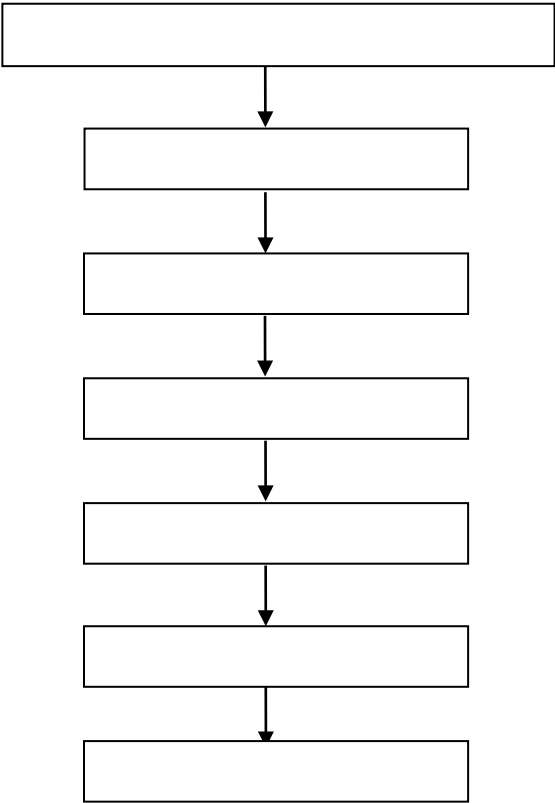
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2.3

3



3.1



3.2

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3.3 RG-NBS5750-E

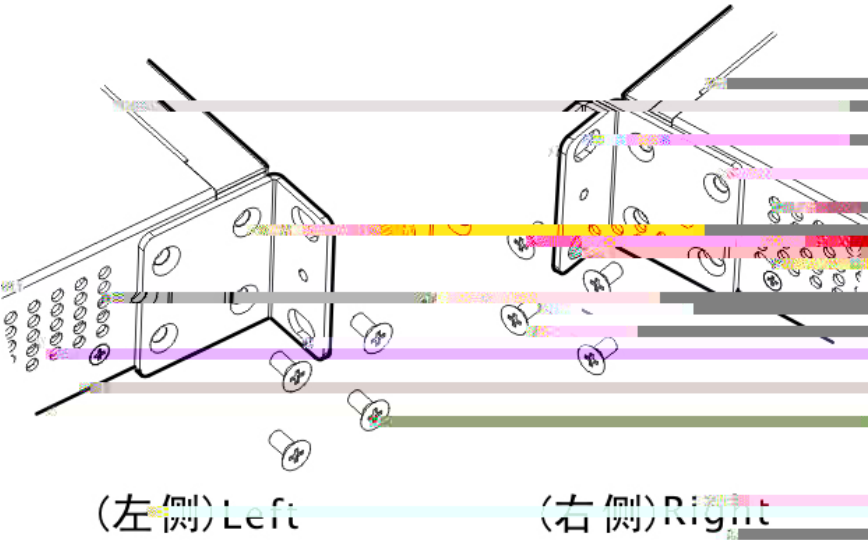
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- RG-NBS5750-E
- 10
- RG-NBS5750-E
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3.3.1

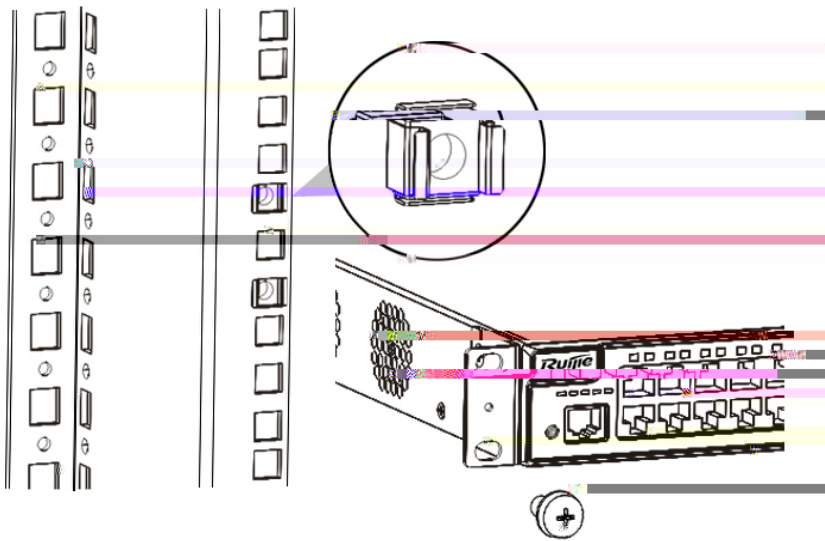
RG-NBS5750-E EIA 19 3-1

3-1

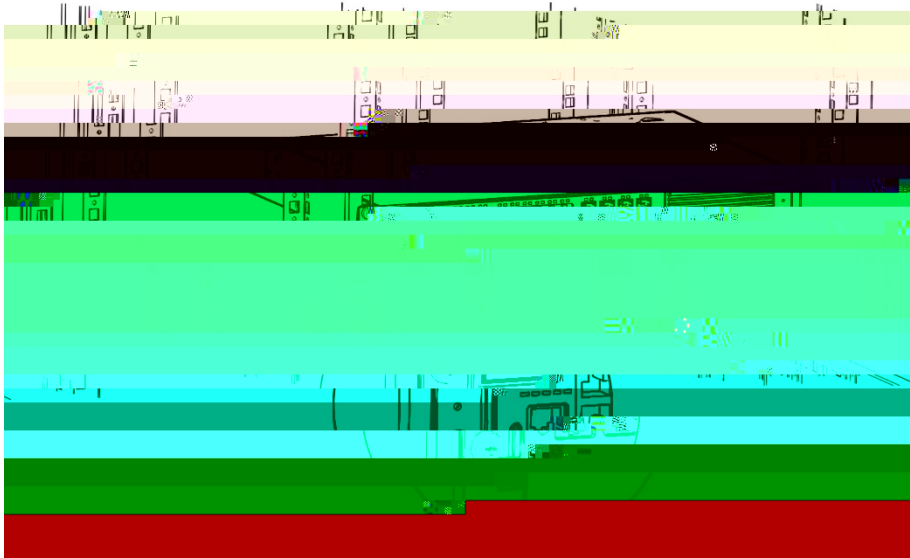


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3-2



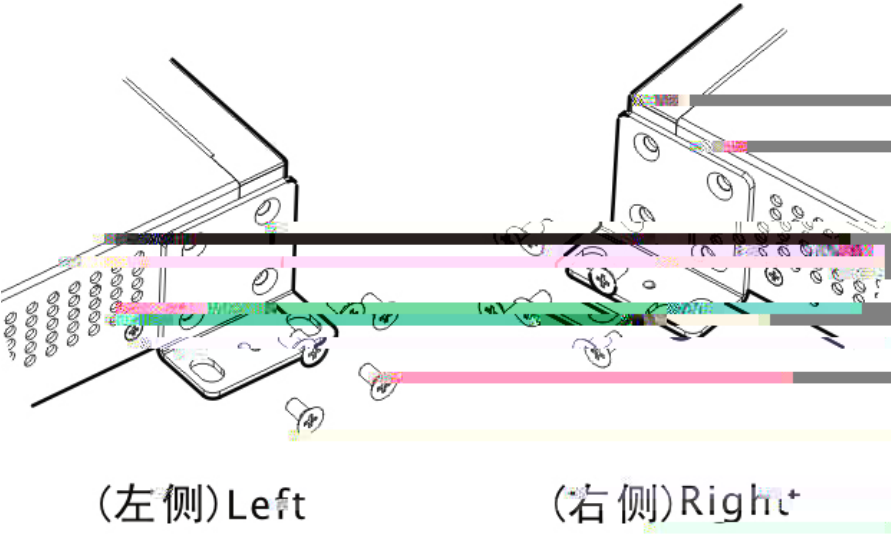
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3.3.2

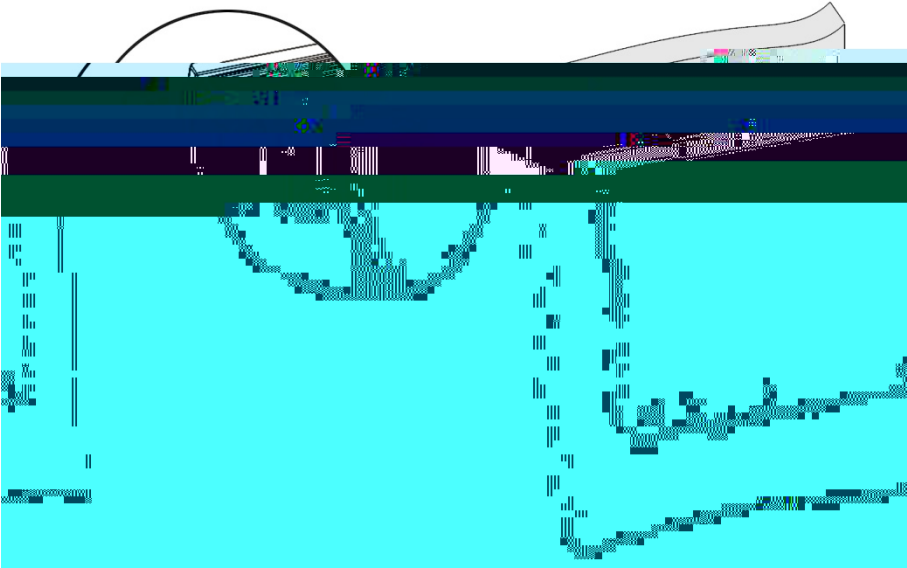
RG-NBS5750-E

3-4



3-5

3-5



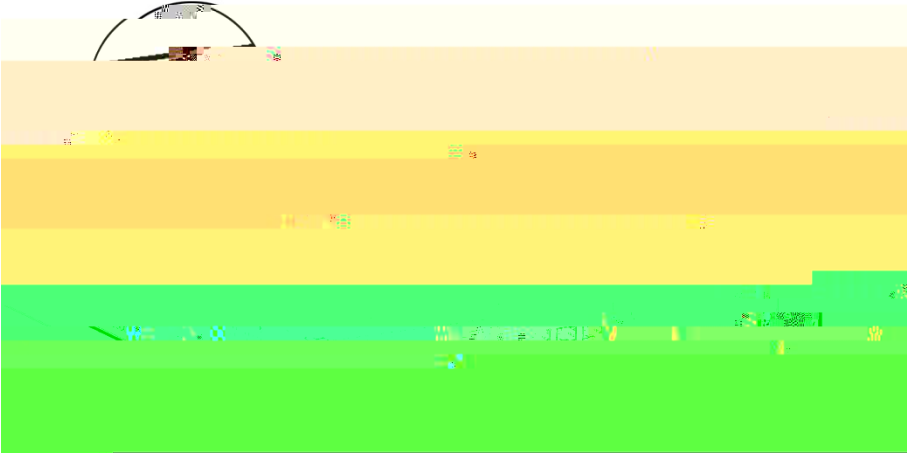
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19

4

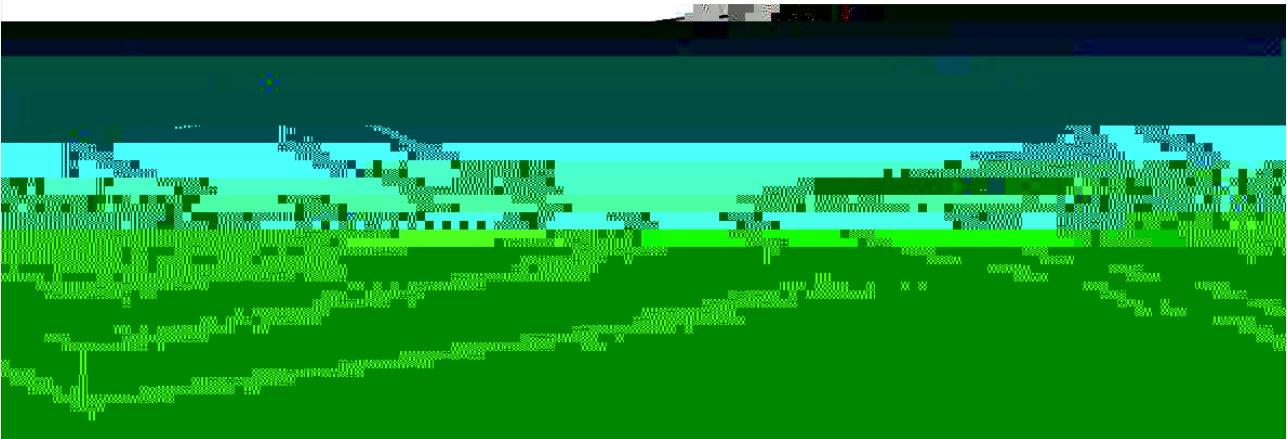
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3-6



3-7

3-7

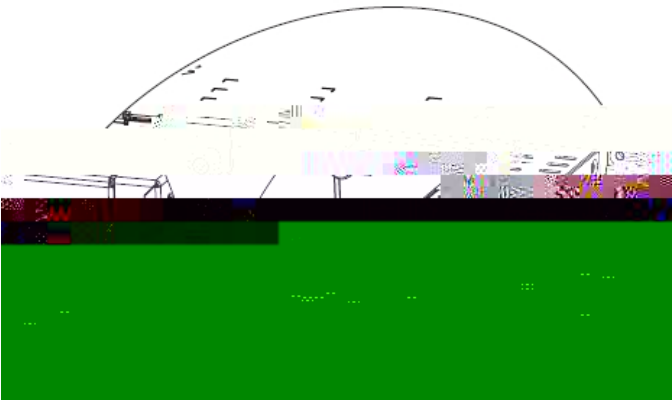


3.4

RG-PA70I

- 1)
- 2)

3-8

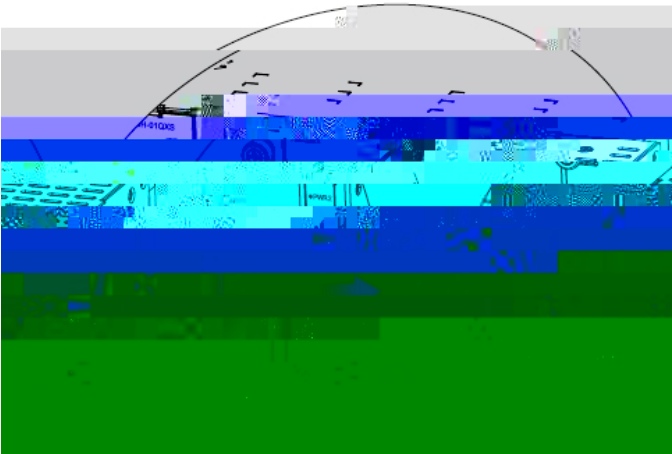


RG-PA70I

1)

2)

3-9



RG-PA70I



3.5

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1Ω



1



2.5

12AWG

3.6

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1)

RJ45

2)

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3)

RJ45

3.7

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1)

- 2)
- 3)

3.8



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-
-

10

4

4.1

PC

Console

4-1

4-1



- DB-9 PC
- RJ-45 Console

■ RJ-45 Console

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

■	9600	8	1
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1) - - - - 4-2

4-2



2) 4-3

4-3



3) < > 4-4

4-4



4) < > 4-5
8 1

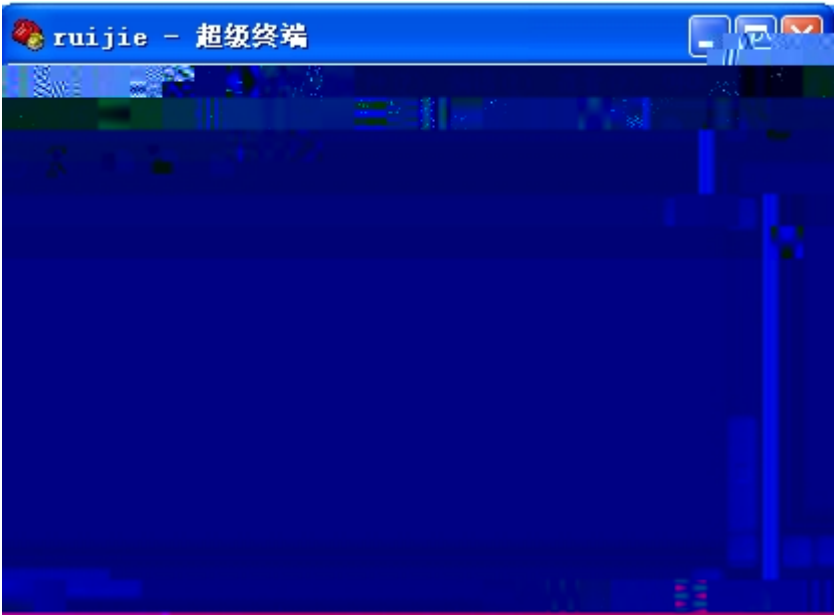
9600

4-5



5) $\langle \quad \rangle$ 4-6

4-6



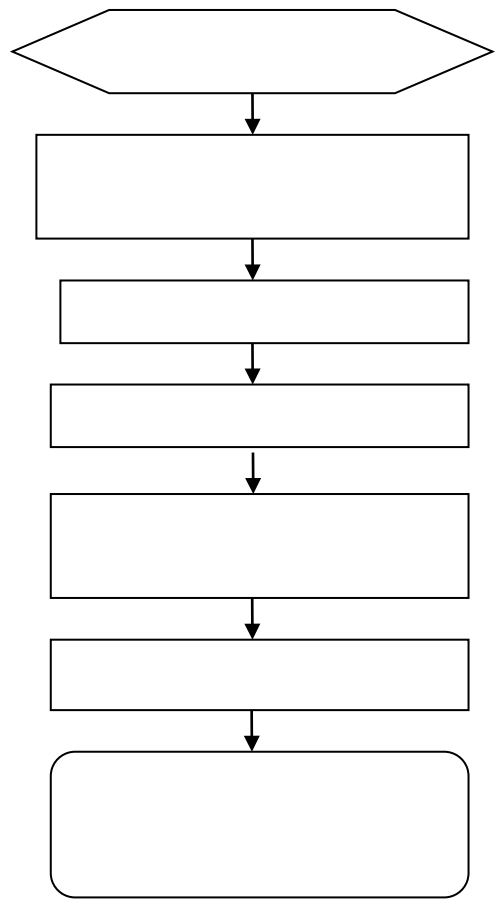
4.2

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-
- PC console

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5

5.1



5.2

status		
Status		

RJ45	100	

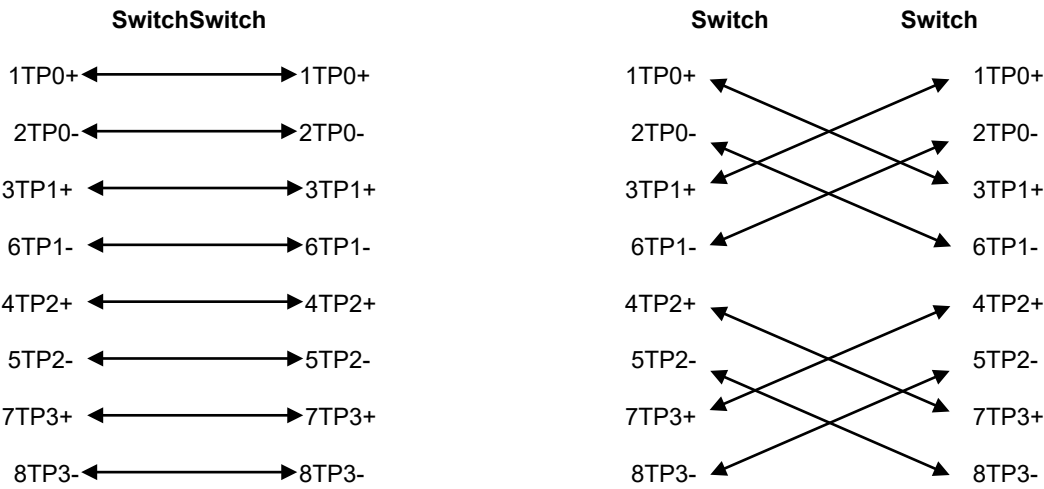
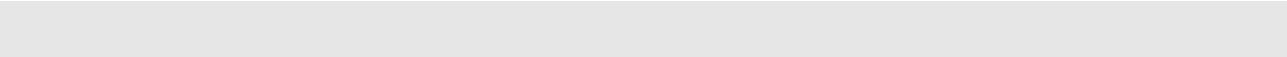
A

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				

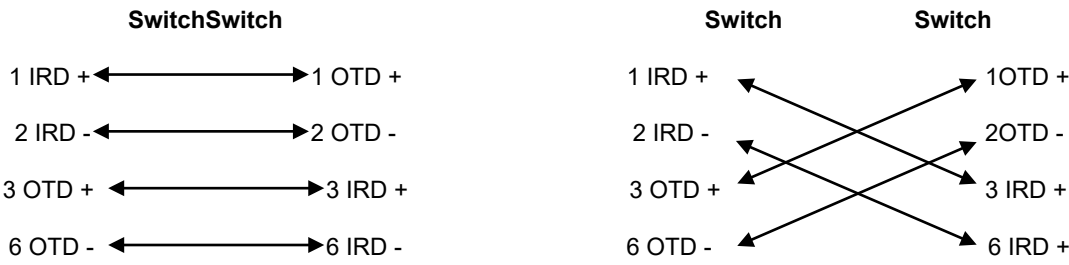
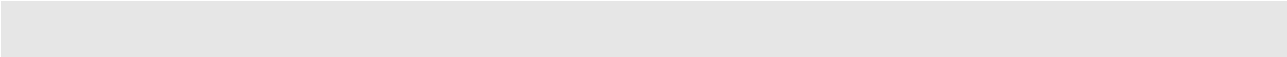
A-2 100BASE-TX/10BASE-T

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 5 7 8	Not Used	Not Used

100BASE-TX/10BASE-T

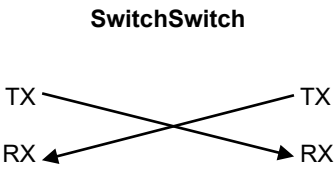
A-3

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



A-4

A 4



B — Mini-GBIC SFP+

	SFP	Mini-GBIC	SFP+	
	SFP			SFP
Mini-GBIC-GT	SFP	SFP+		
()				

B-1 Mini-GBIC SFP

	(nm)		DDM (Yes/No)	(dBm)		(dBm)	
				min	max	min	max
MINI-GBIC-SX-MM850	850		No	-9.5	-3	-17	0
MINI-GBIC-LX-SM1310	1310		No	-9.5	-3	-20	-3
GE-SFP-SX	850		No	-9.5	-3	-17	0
GE-SFP-LX	1310		No	-9.5	-3	-20	-3
GE-SFP-SX-SM1550-BIDI	1550TX/13 10RX		No	-10	-5	-17	-3
GE-SFP-SX-SM1310-BIDI	1310TX/15 50RX		No	-10	-5	-17	-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
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-LH40-SM1310	1310		Yes	-2	3	-22	-3
MINI-GBIC-ZX50-SM1550	1550		Yes	-5	0	-22	-3
MINI-GBIC-ZX80-SM1550	1550		Yes	0	4.7	-22	-3
MINI-GBIC-ZX100-SM1550	1550		Yes	0	5	-30	-9

B-2 SFP

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

B-3 SFP

SFP			(um)	
MINI-GBIC-SX-MM850	LC		62.5/125	275m
			50/125	550m
MINI-GBIC-LX-SM1310	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-SM1310	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-SM1550	LC		9/125	50km
MINI-GBIC-ZX80-SM1550	LC		9/125	80km
MINI-GBIC-ZX100-SM1550	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



40

40



B-5 SFP+

	(nm)	DDM (Yes/No)		dbm		dbm	
XG-SFP-SR-MM850	850	Yes		-5	-1	-7.5	0.5
XG-SFP-SR-SM1270-BIDI	1270	No		-3	4	-9	0.5
XG-SFP-SR-SM1330-BIDI	1270	No		-3	4	-9	0.5

XG-SFP-LR-SM1270-BIDI	1270	No		-6.5	0.5	-14.4	0.5
XG-SFP-LR-SM1330-BIDI	1330	No		-6.5	0.5	-14.4	0.5
XG-SFP-LR-SM1310	1310	Yes		-8.2	0.5	-14.4	0.5
XG-SFP-ER-SM1550	1550	Yes		-4.7	4	-11.3	-1
XG-SFP-ZR-SM1550	1550	Yes		0	4	-24	-7
XS-SFP-SR	850	Yes		-5	-1	-7.5	0.5
XS-SFP-LR	1310	Yes		-8.2	0.5	-10.3	0.5

B-6 SFP+

			(um)	(MHz km)	
XG-SFP-SR-MM850	LC		62.5 /125	200(OM1) 160	33m 26m
			50/125	2000(OM3) 500(OM2) 400(OM1)	300m 82m 66m
XG-SFP-SR-SM1270-BIDI	LC		50/125	2000(OM3)	300m
XG-SFP-SR-SM1330-BIDI	LC		50/125	2000(OM3)	300m
XG-SFP-LR-SM1270-BIDI	LC		9/125	N/A	10km
XG-SFP-LR-SM1330-BIDI	LC		9/125	N/A	10km
XG-SFP-LR-SM1310	LC		9/125	N/A	10km
XG-SFP-ER-SM1550	LC		9/125	N/A	40km
XG-SFP-ZR-SM1550	LC		9/125	N/A	80km
XS-SFP-SR	LC		62.5 /125	200(OM1) 160	33m 26m
			50/125	2000(OM3) 500(OM2) 400(OM1)	300m 82m 66m
XS-SFP-LR	LC		9/125	N/A	10km



XG-SFP-ER-SM1550 XG-SFP-ZR-SM1550

-1dBm

-1dBm

**B-7 SFP+**

			(M)	(AWG)	(Gb/s)	DDM (Yes/No)
XG-SFP-CU1M		SFP+	1	28	10.3125	No
XG-SFP-CU3M		SFP+	3	28	10.3125	No
XG-SFP-CU5M		SFP+	5	26	10.3125	No

XG-SFP-AOC1M		SFP+	1	\	10.3125	No
XG-SFP-AOC3M		SFP+	3	\	10.3125	No
XG-SFP-AOC5M		SFP+	5	\	10.3125	No



SFP+

B-8BIDI

/	
/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
/300m	XG-SFP-SR-SM1270-BIDI XG-SFP-SR-SM1330-BIDI
/10km	XG-SFP-LR-SM1270-BIDI XG-SFP-LR-SM1330-BIDI



BIDI

GE-SFP-LX20-SM1550-BIDI

GE-SFP-LX20-SM1310-BIDI

C —

C-1



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-
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PE

PE

PE

1)

2)

3)

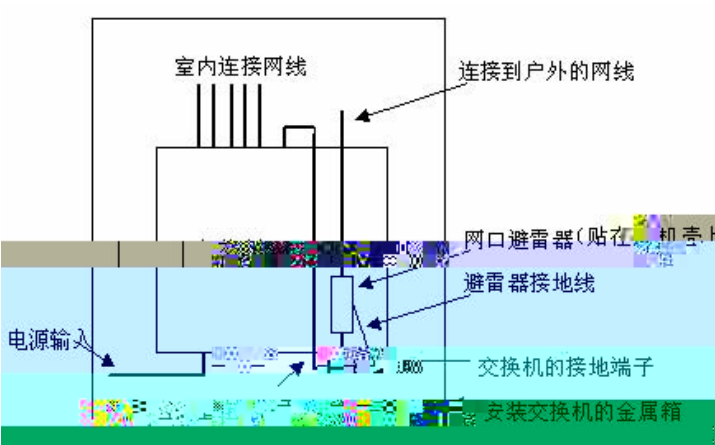
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OUT

IN

5)

C-2



10/100M

RJ-45



■

“IN”

“OUT”

■

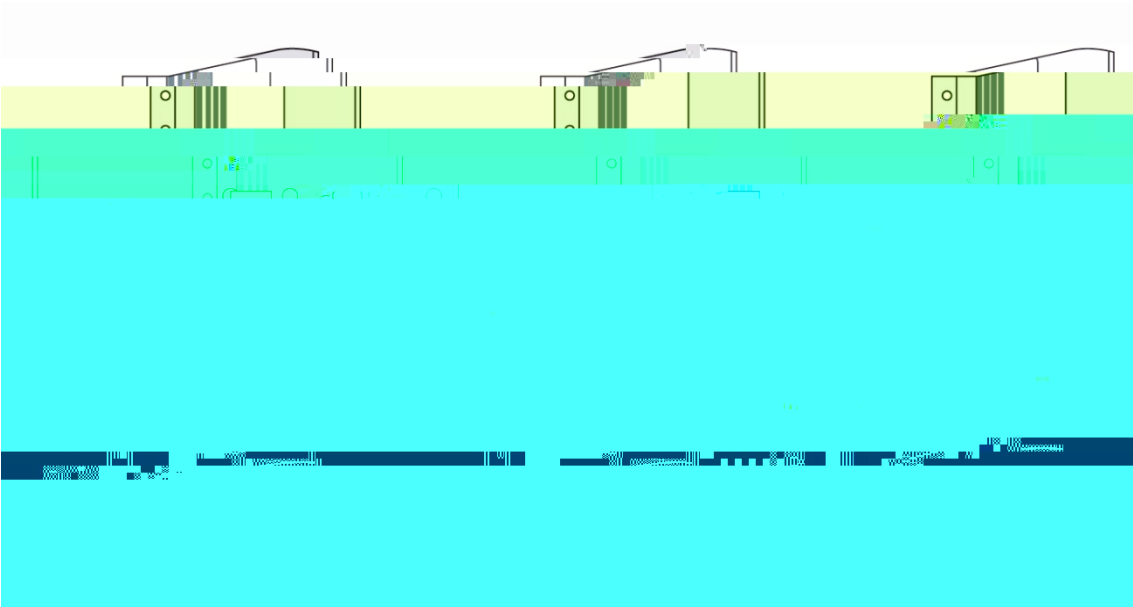
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RG-NBS5750-E

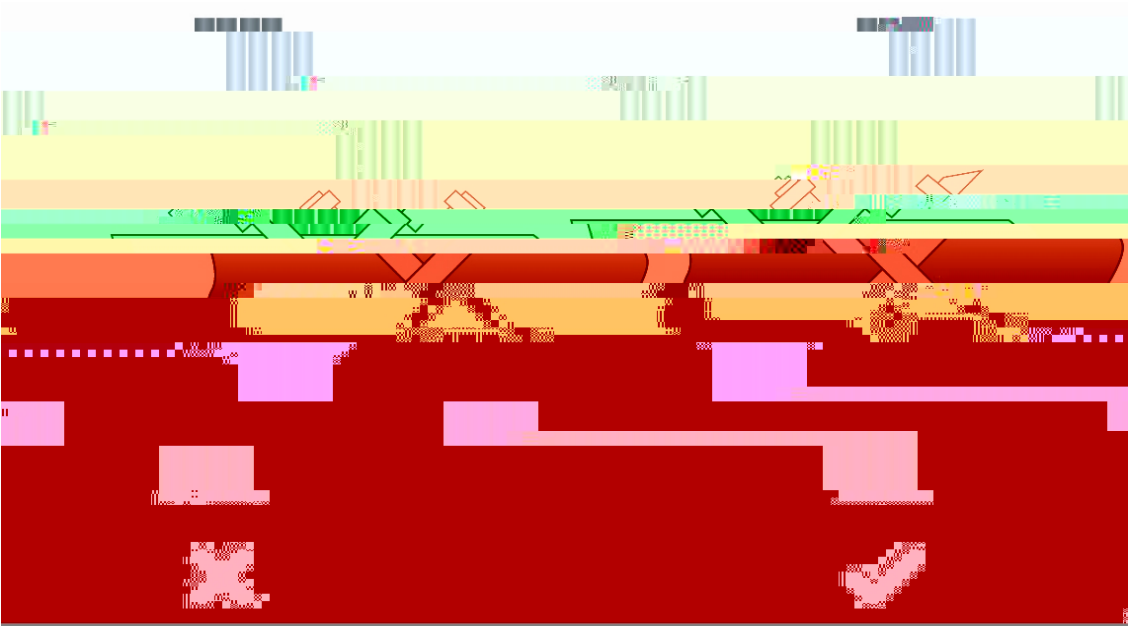
19

■			5	
	7			
■			7	10
■	SFP+		5	10
■		25		
■	20			
■	10			
■				
■			D-1	
D-1				



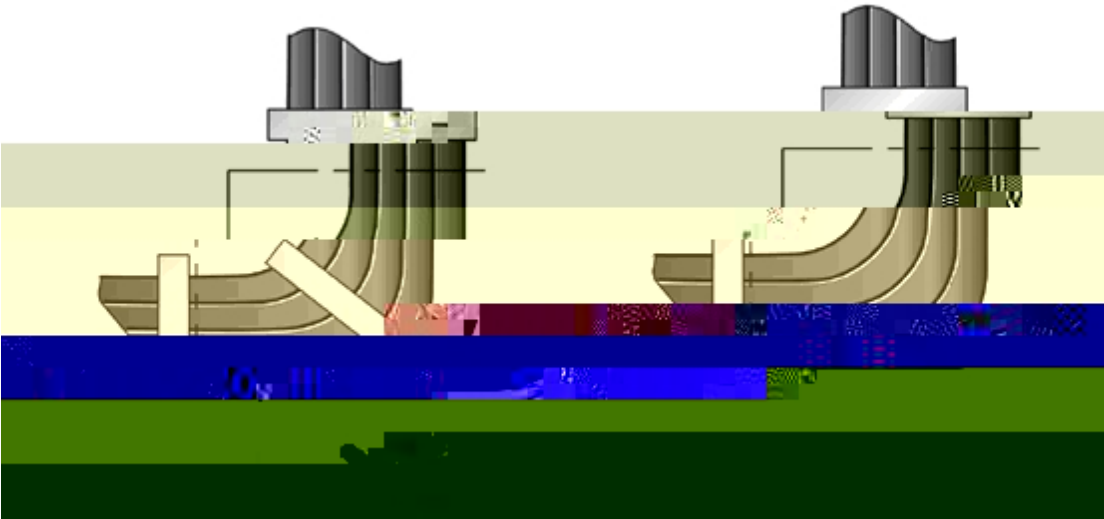
-
- 30mm
-
-
-
- D-2

D-2



-
- D-3

D-3



■

■

■

■

D-4

D-4



■

-
-
-

mm	mm
10	80~150
10~30	150~200
30	200~300

-
-

E —

