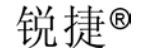




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- <http://www.ruijie.com.cn/service.aspx>
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- <http://support.ruijie.com.cn>
- [service@ruijie.com.cn](mailto:service@ruijie.com.cn)

WEB	WEB





# 1

RG-S12000

IPv6

RG-S12000

- RG-S12006 6 4
- RG-S12010 10 8

## 1.1 RG-S12006

	RG-S12006
	6 2
	M12000-CM M12000-CM III
	M12000-02XFP24SFP/12GT-EA M12000-24SFP/12GT-EA M12000-24GT/12SFP-EA M12000-48GT/4SFP-EA M12000P-48GT/4SFP-EA M12000-04XFP-EA M12000-48XS-DA M12000-16XS-DA M12000-04QXS-DA SECM M12000-NMM RG-WALL 1600-B-DC RG-WALL 1600-B-DE RG-WALL 1600-B-U M12000-WS
	RG-PA1200I 90~176V~ :530W 176~264V~ :1400W RG-PA2000I 90~176V~ :1080W 176~264V~ :2000W
	M12006-FAN I
EMC	GB9254-2008 GB4943-2011

	-40 to 70°C
	10% 90% RH
	32.8KG +
	437 * 500 * 486.15 L * W * H mm 11RU



RG-S12000

A

RG-S12006

- 2 1+1
- 2 4 1+1
- 

1-1 RG-S12006

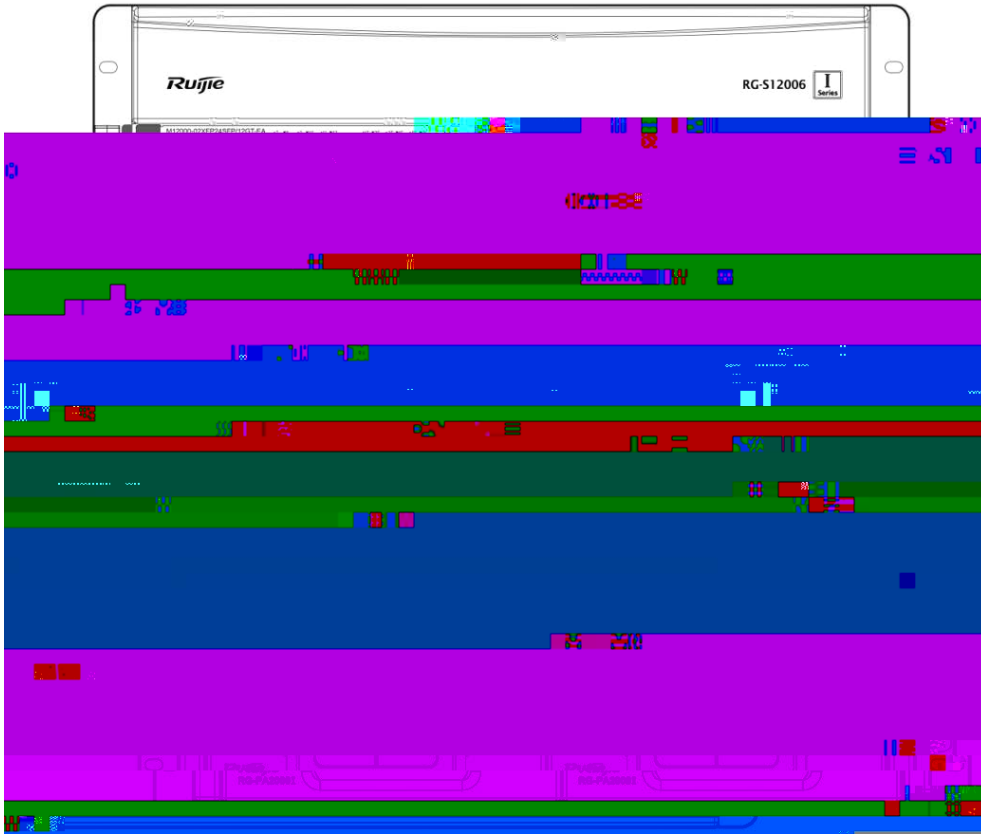


RG-S12006

1-2

1~7

1-2 RG-S12006



---

RG-S12006

RG-S12006

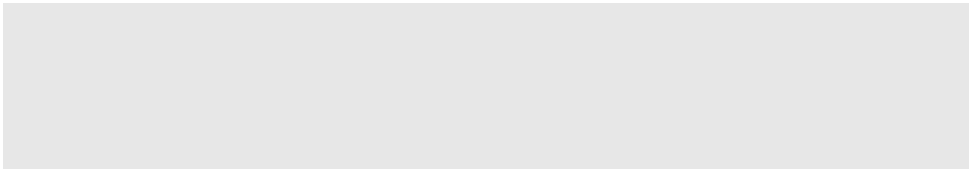
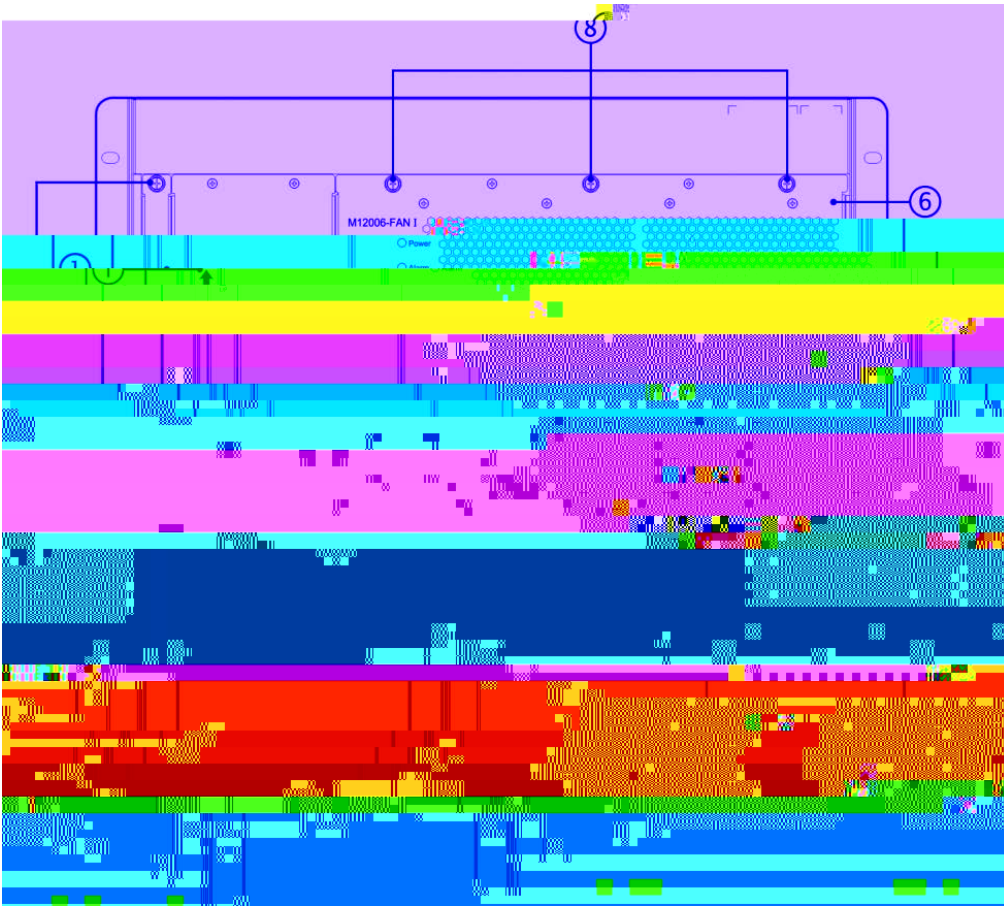
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RG-S12006

1-3

1~8

1-3 RG-S12006



RG-S12000

RG-PA1200I/ RG-PA2000I

RG-S12000



RG-S12000

1 1

1 1

RG-S12000

0 50

RG-S12000

1-4 RG-S12006

4PCS120\*120\*38

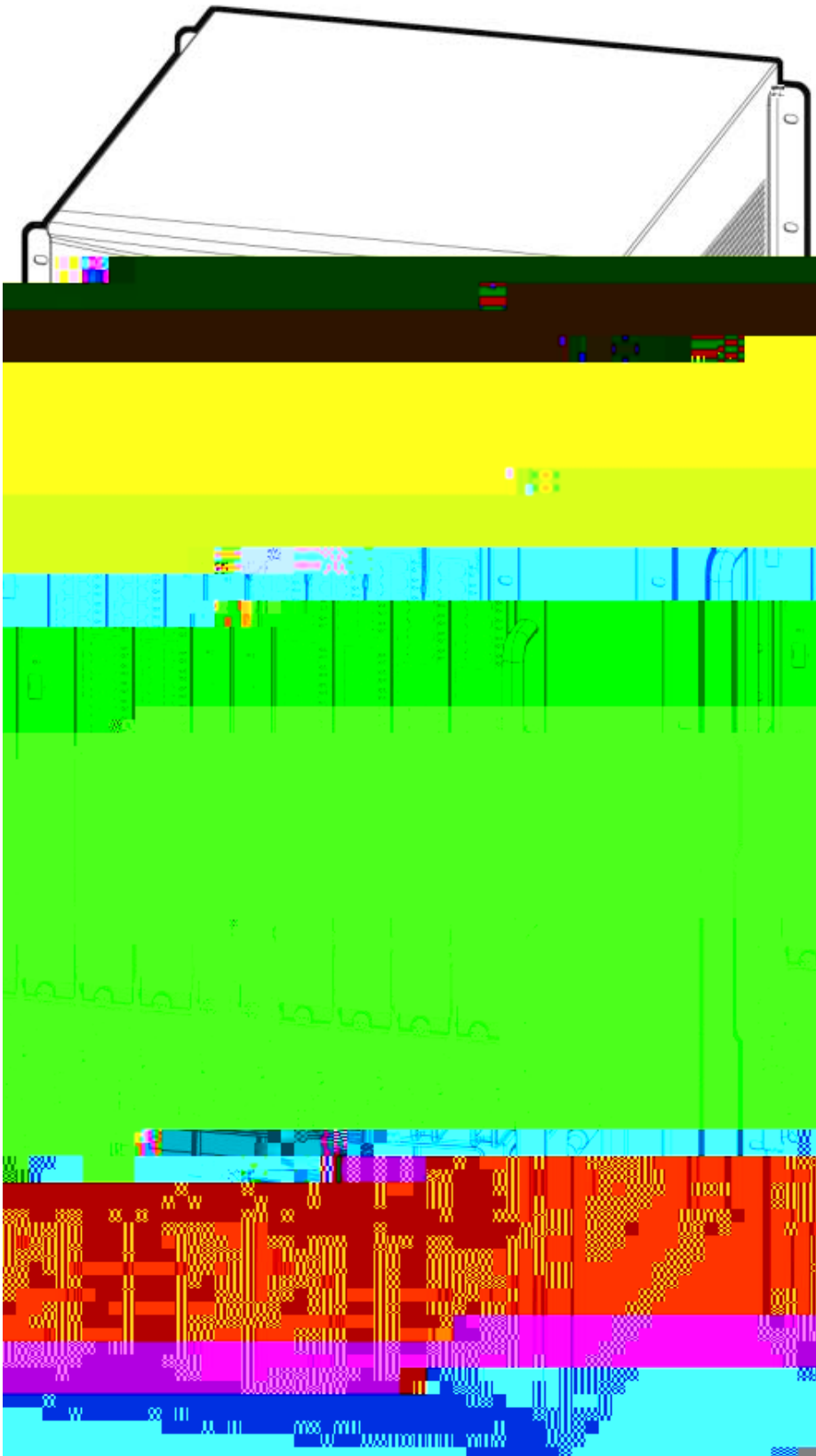


## 1.2 RG-S12010

	RG-S12010
	10 2
	M12000-CM M12000-CM III
	M12000-02XFP24SFP/12GT-EA M12000-24SFP/12GT-EA M12000-24GT/12SFP-EA M12000-48GT/4SFP-EA M12000P-48GT/4SFP-EA M12000-04XFP-EA M12000-48XS-DA M12000-16XS-DA



1-5 RG-S12010

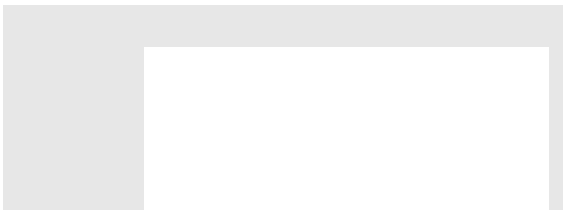
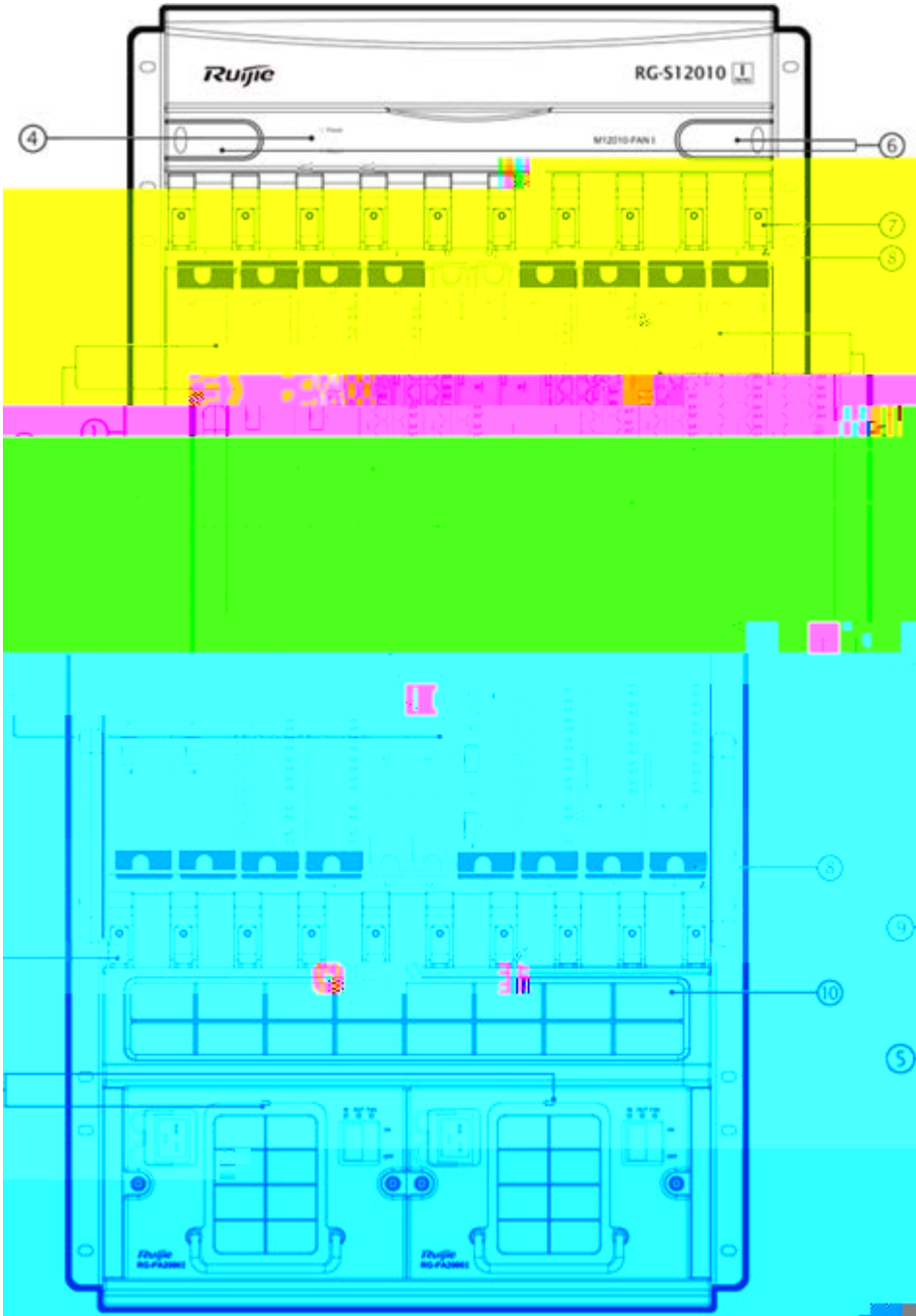


RG-S12010

1-6

1~10

1-6 RG-S12010



0226 cm /Im0 Do Q BT /TT0 1 Tf 9 0 109.62 131.465cn 109.62 131.465cn



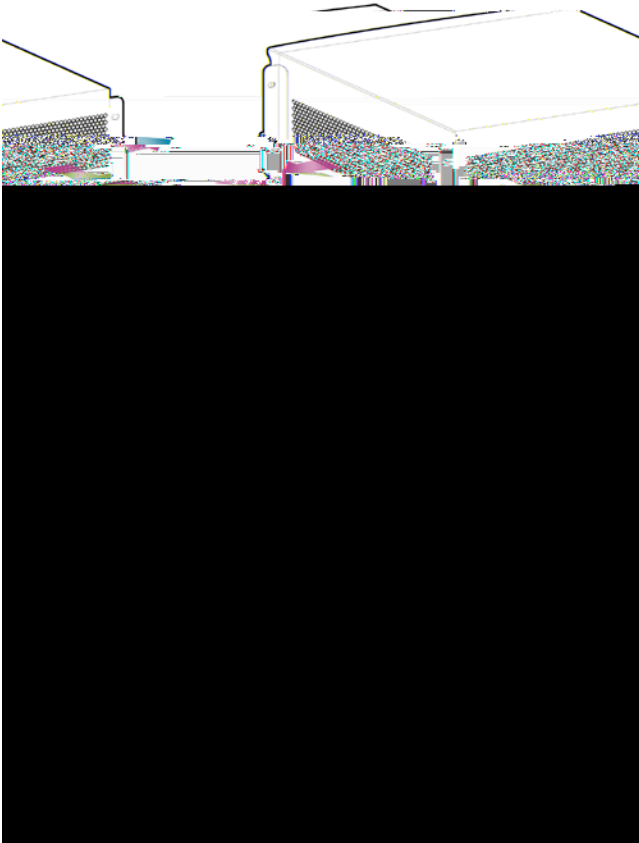
RG-S12000

---

 RG-S12000 1 1  
1 1

---

RG-S12000 0 50  
RG-S12000  
1-8 RG-S12010



6PCS120\*120\*38

---



### 1.3

RG-S12000  
RG-S12000

RG-S12000 10/100/1000M / SFP /  
100Base-FX /1000Base-X SFP 10/100/1000Base-T

---

	100BASE-FX /1000Base-XSFP	10/100/1000Base-T
	1F	1

M12000-02XFP24SFP/12GT-EA

M12000-24SFP/12GT-EA

1-9 M12000-CM



M12000-CM

4

■ USB

Universal Serial BUS

USB



1-10 M12000-CM III



M12000-CM III 4

- USB Universal Serial BUS USB



USB USB USB USB

- SD SD SEAure Digital Memory Card SD



SD SD SD SD

- Console RS-232 RJ45

- 10/100/1000M MGMT 10/100/1000BASE-T RJ45

M12000-CM III Reset Reset

<5s >=5s



Status 5S ;  
5S 5S

	Status		
	Primary		

	Alarm		
	Link/ACT		Link up
MGMT			Link up 1000M
			Link up 10M 100M

SD SD

SD

SDS

### 1.3.3 M12000-02XFP24SFP/12GT-EA

1-11 M12000-02XFP24SFP/12GT-EA



M12000-02XFP24SFP/12GT-EA	2	XFP	12	SFP	12	SFP
100/1000M	RJ45	10/100/1000M	XFP	SFP		

	Status		


408200 Link up Tw 2.58 0 Td <09B701147407F10F9F08EA14E.007 0 Td ( )Tj2-0

Link up

RJ45 Link/ACT

	10GBASE-SR(850nm) 10GBASE-LR(1310nm) 10GBASE-ER(1550nm) 1000BASE-SX(850nm) 1000BASE-LX(1310nm) 1000BASE-LH40(1310nm) 1000BASE-ZX(1550nm) 100BASE-FX(1310nm) 100BASE-FX(1550nm) 10/100/1000BASE-T                      UTP
	Status    Link/ACT
	<100W
EMC	GB9254-2008
	GB4943-2011

	Status		
RJ45	Link/ACT		Link up
			Link up 1000M
			Link up 10M 100M
SFP	Link/ACT		Link up
			Link up 1000M
			Link up 100M

 M12000-24SFP/12GT-EA

### 1.3.5 M12000-48GT/4SFP-EA

1-13 M12000-48GT/4SFP-EA



M12000-48GT/4SFP-EA	44	10/100/1000BASE-T	RJ45	4	SFP
100/1000M	RJ45	10/100/1000M	SFP		

	Status		
RJ45	Link/ACT		Link up
			Link up 1000M
			Link up 10M 100M
SFP	Link/ACT		Link up
			Link up 1000M
			Link up 100M




	M12000-48GT/4SFP-EA
	44 10/100/1000BASE-T RJ45 4
	1000BASE-SX(850nm)
	1000BASE-LX(1310nm)
	1000BASE-LH40(1310nm)
	1000BASE-ZX(1550nm)
	100BASE-FX(1310nm)
	100BASE-FX(1550nm)
	10/100/1000BASE-T UTP



	Status		
	Mode_Led		PoE
RJ45 (Mode_Led )	Link/ACT		Link up Link up 1000M Link up 10M 100M
PoE RJ45 (Mode_Led )	Link/ACT		PoE PoE PoE PoE
SFP (Mode_Led )	Link/ACT		Link up Link up 1000M Link up 100M
PoE SFP (Mode_Led )	Link/ACT		PoE

	M12000P-48GT/4SFP-EA
	44 10/100/1000BASE-T RJ45 4 48 PoE
	1000BASE-SX(850nm) 1000BASE-LX(1310nm) 1000BASE-LH40(1310nm) 1000BASE-ZX(1550nm) 100BASE-FX(1310nm) 100BASE-FX(1550nm) 10/100/1000BASE-T UTP
	Status Link/ACT
	<121W+15.4× N N PoE N<=48
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% 90% RH

	3.8KG
	436 * 346 * 45 L * W * H mm

	M12000P-48GT/4SFP-EA	4		SFP	
	10/100/1000BASE-T				10/100/1000M
	MDI/MDI-X				
	M12000P-48GT/4SFP-EA	1000BASE-X	100BASE-FX		
	M12000P-48GT/4SFP-EA	PoE			15.4W
	M12000P-48GT/4SFP-EA		PD	PD	

### 1.3.7 M12000-24GT/12SFP-EA



1-15 M12000-24GT/12SFP-EA

M12000-24GT/12SFP-EA	12	10/100/1000BASE-T	RJ45	12	SFP
100/1000M	RJ45	10/100/1000M	SFP		

	Status		

(Š ŌŠ Ō„ €H ú Âa R •TW

	M12000-24GT/12SFP-EA
	12 10/100/1000BASE-T RJ45 12
	1000BASE-SX(850nm) 1000BASE-LX(1310nm) 1000BASE-LH40(1310nm) 1000BASE-ZX(1550nm) 100BASE-FX(1310nm) 100BASE-FX(1550nm) 10/100/1000BASE-T UTP
	Status Link/ACT
	<77W
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% 90% RH
	3.2KG
	436 * 346 * 45 L * W * H mm

	M12000-24GT/12SFP-EA	12	SFP	10/100/1000M
	10/100/1000BASE-T			
	MDI/MDI-X			
	M12000-24GT/12SFP-EA	1000BASE-X	100BASE-FX	

### 1.3.8 M12000-04XFP-EA

1-16 M12000-04XFP-EA



M12000-04XFP-EA	4	XFP	XFP
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 M12000-48XS-DA	10G SFP+	1G SFP	10G SFP+	1G
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	Status		
SFP+	Link/ACT		Link up
			Link up

	M12000-48XS-DA
	48 SFP+ , 10G SFP+ 1G SFP
	10GBASE-SR(850nm) 10GBASE-LR(1310nm) 10GBASE-ER(1550nm) 1000BASE-SX(850nm) 1000BASE-LX(1310nm) 1000BASE-LH40(1310nm) 1000BASE-ZX(1550nm) SFP+ (1m/3m/5m)
	Status Link/ACT
	<242W
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% 90% RH
	5.7KG
	436 * 346 * 45 L * W * H mm

### **1.3.10 M12000-16XS-D**



	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% 90% RH
	5.1KG
	436 * 346 * 45 L * W * H mm

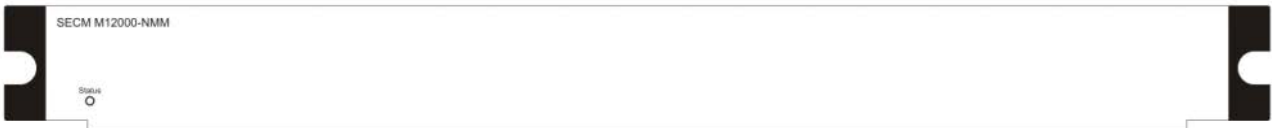
### 1.3.12 SECM M12000-NMM

SECM M12000-NMM

S12000

NMM

1-20 ECM M12000-NMM



SECM M12000-NMM

	Status		

	SECM M12000-NMM
	Status
	<140W
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% to 90% RH
	3.0KG
	436 * 346 * 45 L * W * H mm

### 1.3.13 RG-WALL 1600-B-DC

RG-WALL 1600-B-DC

S12000

1-21 RG-WALL 1600-B-DC



RG-WALL 1600-B-DC

2

- Console RS-232 RJ45
- 10/100M MGMT 10/100BASE-T RJ-45

	-40 to 70°C
	10% to 90% RH
	4.5KG
	436 * 346 * 45 L * W * H mm

### 1.3.14 RG-WALL 1600-B-DE

RG-WALL 1600-B-DE

S12000

1-22 RG-WALL 1600-B-DE



RG-WALL 1600-B-DE

2

■ Console

RS-232

RJ45

■ 10/100M MGMT

10/100BASE-T

RJ-45

	Status		
10/100M MGMT	Link/ACT		Link up
			Link up 100M
			Link up 10M

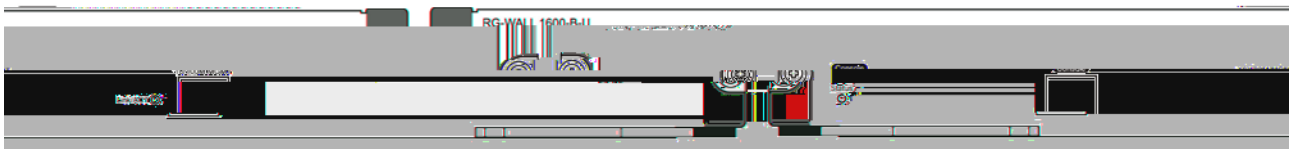
	<90W
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% to 90% RH
	3.2KG
	436 * 346 * 45 L * W * H mm

### 1.3.15 RG-WALL 1600-B-U

RG-WALL 1600-B-U

S12000

1-23 RG-WALL 1600-B-U



RG-WALL 1600-B-U

2

■ Console

RS-232

RJ45

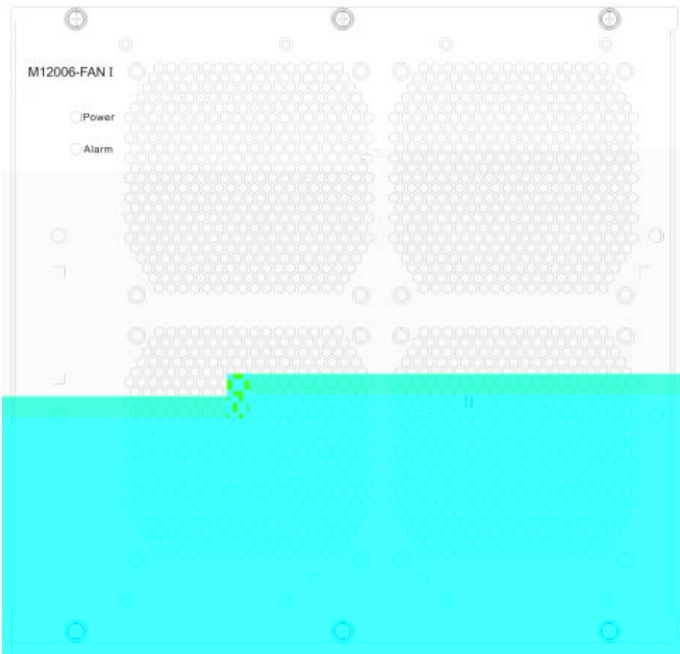
	RG-WALL 1600-B-U			
	1	Console	1	10/100M MGMT

10/100M MGMT	Link/ACT		Link up
			Link up 100M
			Link up 10M

	M12000-WS
	1 Console 1 10/100M MGMT
	Status Link/ACT
	<90W
EMC	GB9254-2008
	GB4943-2011
	0 to 50°C
	-40 to 70°C
	10% to 90% RH
	3.2KG
	436 * 346 * 45 L * W * H mm

**1.3.17 M12010/M12006-FAN I**

1-26 M12006-FAN I



	Power		
	Alarm		

	M12010-FAN I	M12006-FAN I
	201CFM*6	201CFM*4
	5400RPM	5400RPM
	240W	160W
	6.0KG	4.0KG
	431.6 * 396.2 * 44 L * W * H mm	312.3 * 298 * 64.4 L * W * H mm

**1.3.18 RG-PA1200I/RG-PA2000I**

RG-PA1200I/RG-PA2000I

RG-S12006/S12010

110/220V

	IN		
	OUT		
	FAIL		

	RG-PA1200I	RG-PA2000I
	100-120V~ 200-240V~ 50/60Hz	100-120V~ 200-240V~ 50/60Hz
	90-264V~ 47-63Hz	90-264V~ 47-63Hz
	90-176V~ 530W 176-264V~ 1400W	90-176V~ 1080W 176-264V~ 2000W
	4.9KG	5.0KG

## 2

### 2.1



RG-S12000



#### 2.1.1

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#### 2.1.2

RG-S12000

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RG-S12000

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## 2.1.4

RG-S12000

RG-S12000

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RG-S12000  
RG-S12006

RG-S12010

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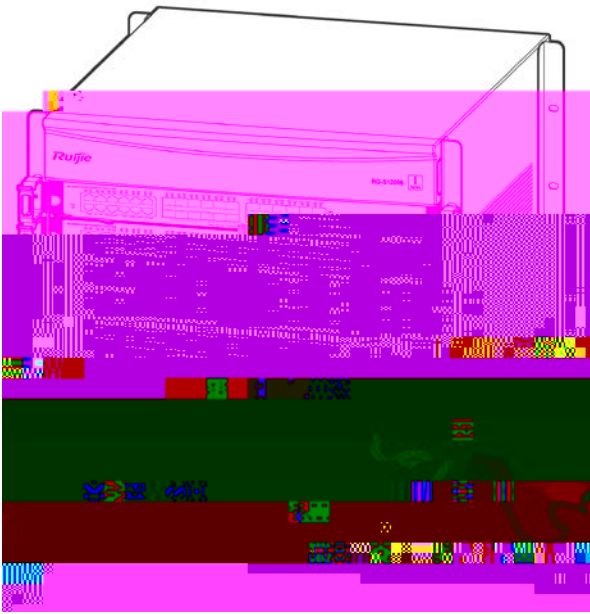
## 2.1.5

S12000

1)

“ 3.8 ”

2-1



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1-10

3.8

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## 2.1.6

RG-S12000

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## 2.2

RG-S12000

### 2.2.1

RG-S12000

- - RG-S12000
-

- RG-S12000

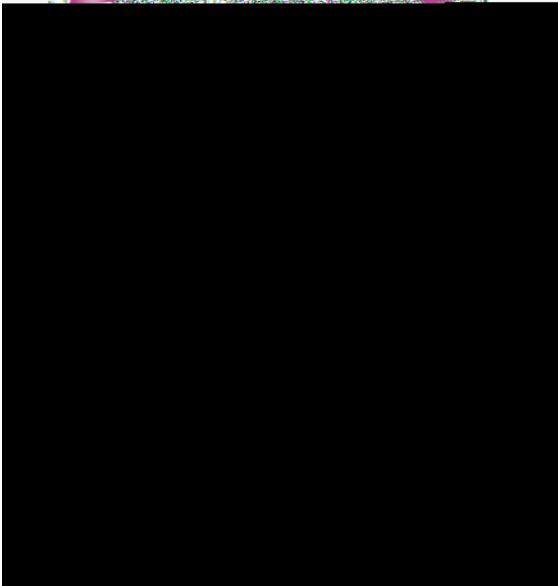
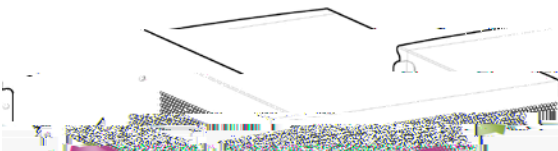
- 

## 2.2.2

RG-S12000                    2-2    2-3

2-2 RG-S12006

2-3 RG-S12010







## 2.2.5

RG-S12000

- RG-PA1200I 90-264V~ 47~63Hz
- RG-PA2000I 90-264V~ 47~63Hz



			S12010	2	M12000-CM III	3	
M12000-48XS-DA	3	M12000-16XS-DA	2	M12000-04QXS-DA			2 * 131W
M12000-CM III	+ 3 * 242W	M12000-48XS-DA	+ 3 * 132W	M12000-16XS-DA	+ 2 * 126W		

## 2.2.6

RG-S12000



C

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1-3      1-7      1Ω RG-S12000      2

## 2.2.7 EMI

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## 2.3

## 2.4


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 RG-S12000

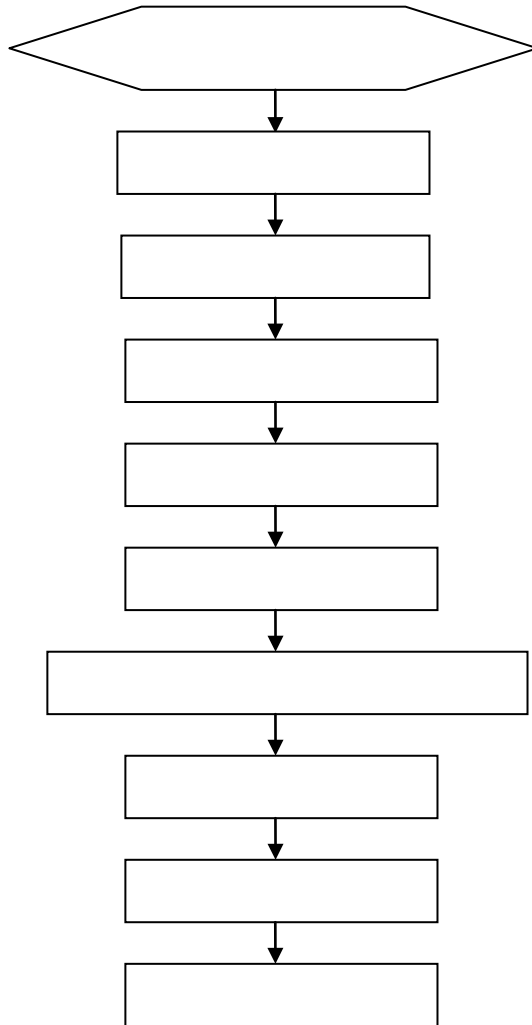
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## 2.5


### 3



#### 3.1



#### 3.2



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### 3.3

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- 
- 
- 
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5mm

1.5cm

- 1)
- 2)
- 3)
- 4)

IEC60297 19  
1RU=44.45mm(1.75inch) 1RU 3-1

RU Rack Unit

RG-S12000

2) RG-S12000

3) RG-S12000 RG-S12000

### 3.5

RG-S12000 M12006-FAN I RG-S12006 M12010-FAN I RG-S12010

■ M12006-FAN I

1) RG-S12006

2)

■ M12010-FAN I

1) RG-S12010

2)

■ M12006-FAN I

1)

2)

■ M12010-FAN I

PUSH

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M12010-FAN I

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### 3.6

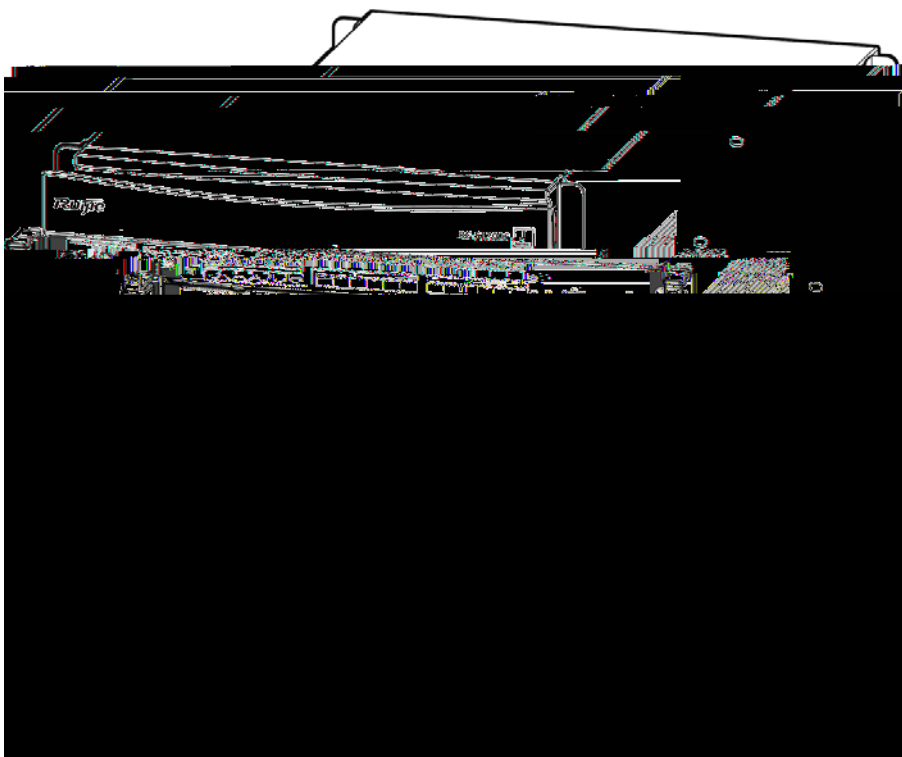
RG-S12000

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3

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3-2 RG-PA1200I/RG-PA2000I



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■ RG-PA1200I/RG-PA2000I

1)

2)

3)

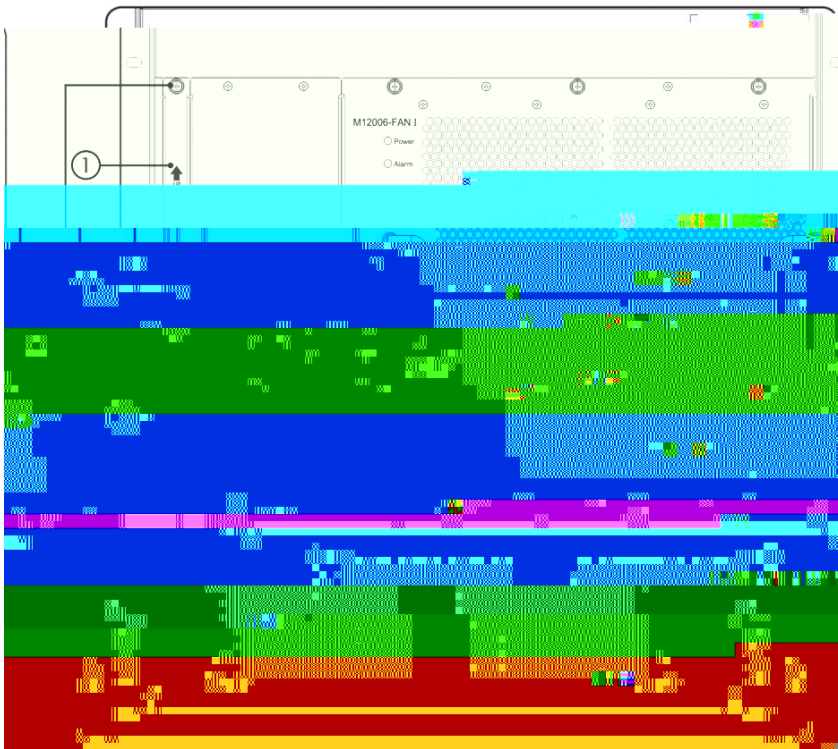
■ RG-PA1200I/RG-PA2000I

1)

2)

3)

3-3 RG-S12006



RG-S12006

■ RG-S12006

1)

2)

■ RG-S12006

1)

2)

3-4 G-S12010



### 3.7

RG-S12000

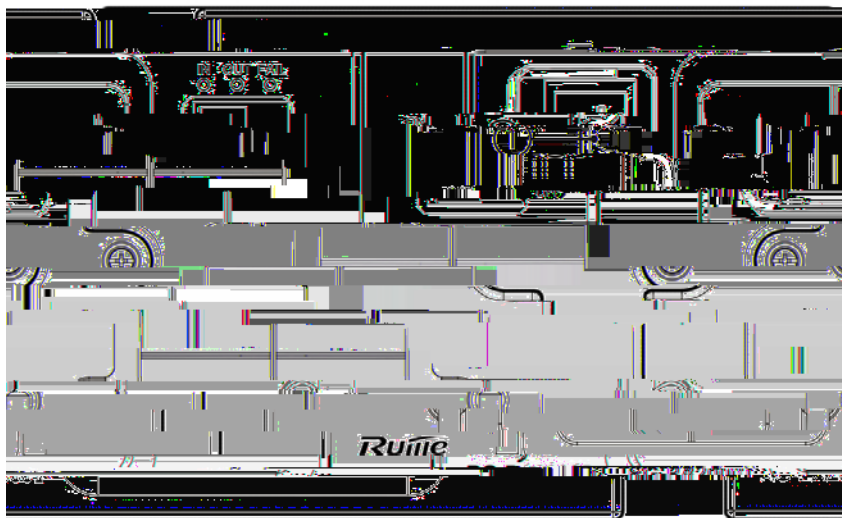
RG-PA1200I RG-PA2000I

1)

2)

3)

3-5



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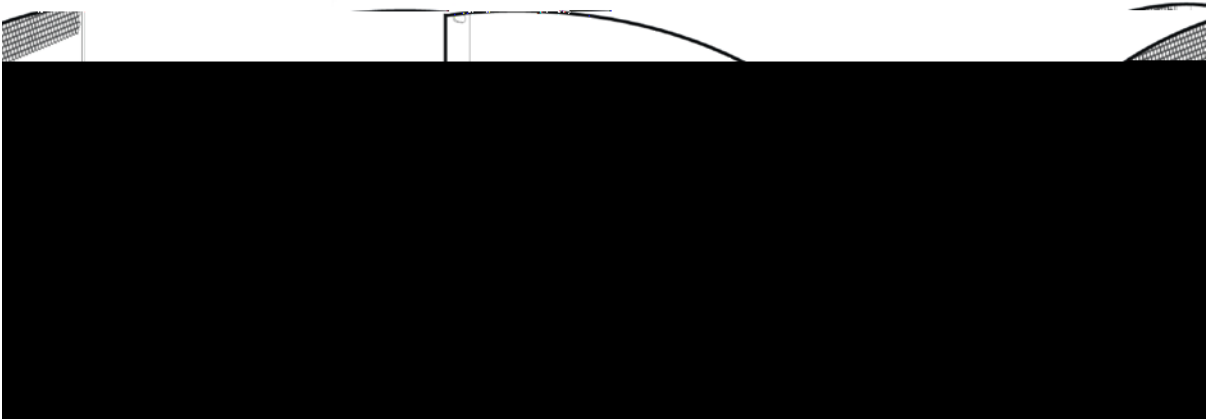
RG-S12000



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1Ω

3-6 RG-S12000



- 1)
- 2)
- 3)
- 4)
- 5)

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1

2.5 12AWG

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### 3.9

RG-PA1200I RG-PA2000I





1) RJ45 RJ45

2) ,

3) RJ45

4)

### 3.14

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1)

2)

3)

### 3.15

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### 3.16

#### XFP/SFP+/SFP



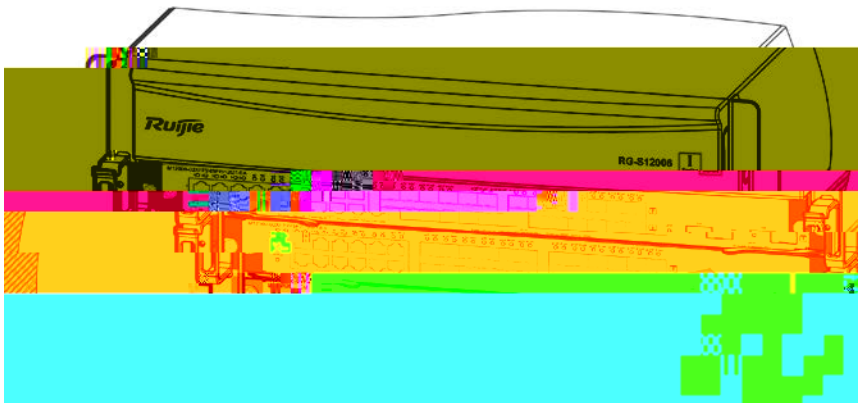
XFP/SFP+/SFP

---

XFP/SFP+/SFP

- 1)
- 2) XFP/SFP+/SFP
- 3) 3-7

3-7 XFP/SFP+/SFP



---

XFP/SFP+/SFP

XFP/SFP+/SFP

---

#### SFP+

SFP+ SFP+ SFP+

- 1)

2) SFP+

3) SFP+ SFP+

---

SFP+

8

---

### 40G QSFP+

40G QSFP+

/

40G

QSFP+

40G

---



40G QSFP+

---

40G QSFP+

1)

2) QSFP+ QSFP+ “ ” 40G QSFP+

3) QSFP+

### 40G QSFP+

40G QSFP+

1)

2) QSFP+ “ ”

40G QSFP+

3) 40G QSFP+

## 3.17



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### XFP/SFP+/SFP

XFP/SFP+/SFP

1)

2) XFP/SFP+/SFP

3)

---

4)

5)

---

XFP/SFP+/SFP

---

**SFP+**

SFP+

1)

2)

SFP+  
SFP+

SFP+

---

SFP+

8

---

**40G QSFP+**

40G QSFP+

1)

2)

40G QSFP+

3)

4)

5)

---

40G QSFP+

---

**40G QSFP+**

40G QSFP+

1)

2)

---

40G QSFP+

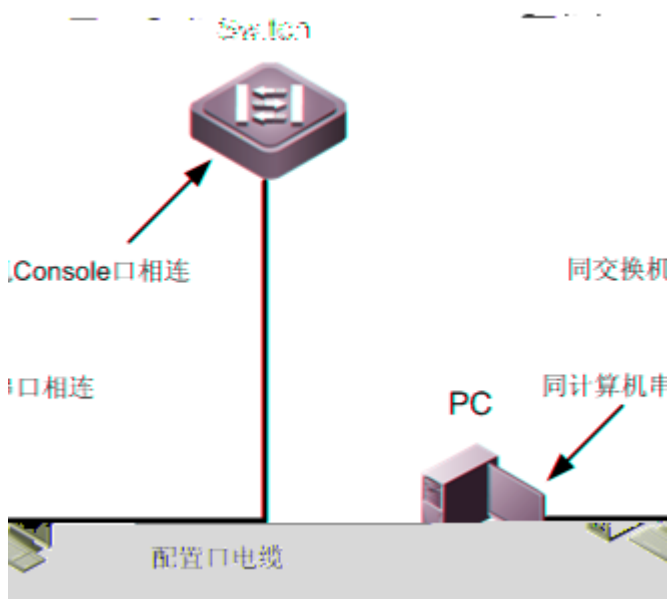
---

# 4

## 4.1

PC Console . 4-1

4-1



1) DB-9 PC

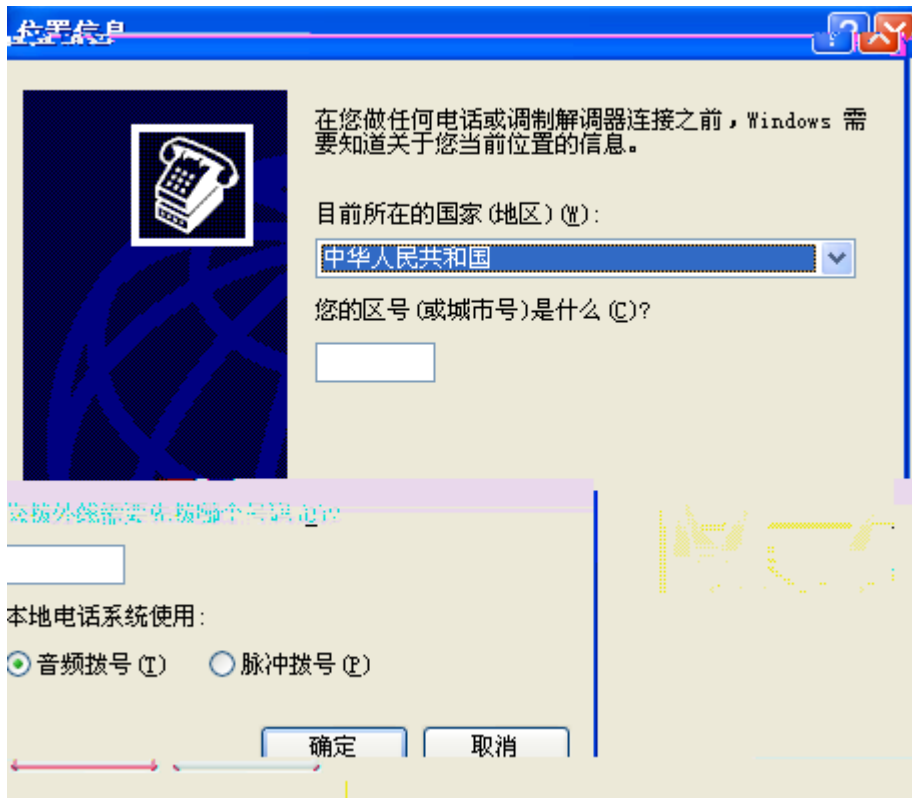
2) RJ45 Console

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

- 9600 8 1

1) “ ”\_“ ”\_“ ”\_“ ”\_“ ” 4-2

4-2



2)

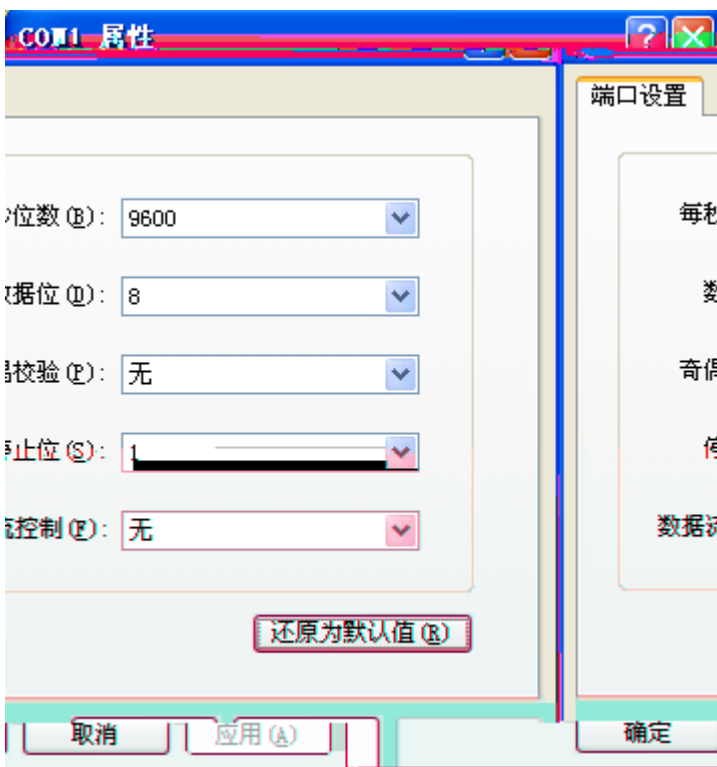
4-4



4) . < > 4-5  
8 1

9600

4-5



5) < > 4-6

4-6



## 4.2

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- 
  
- 
- 

PC

## 5

### 5.1

RG-S12000

- Alarm
- Alarm

- M12006-FAN I M12010-FAN I
- 
- M12006-FAN I

2

RG-S12000

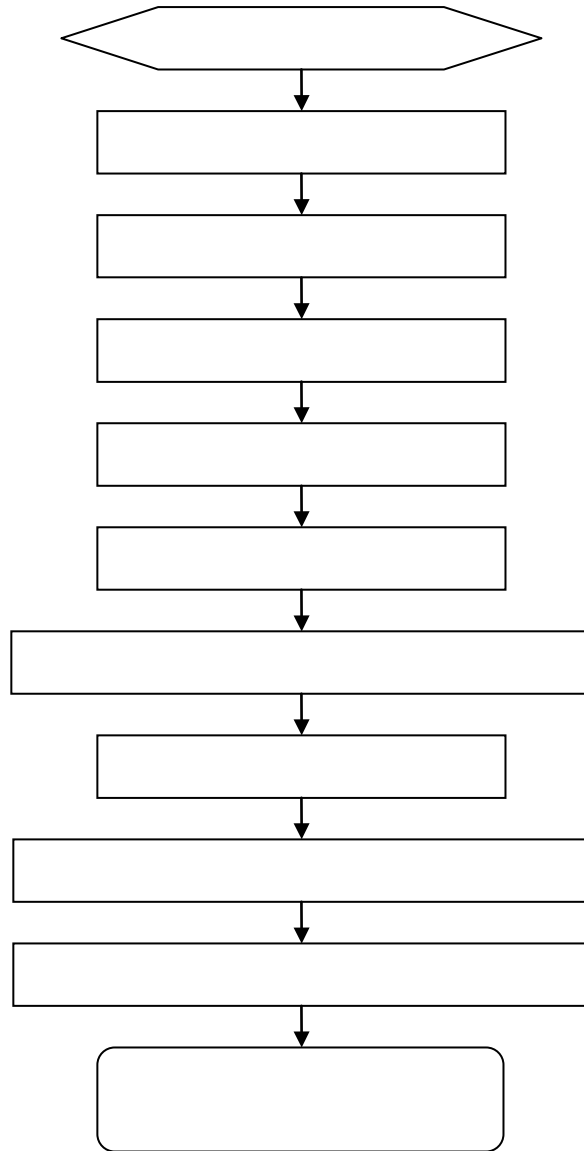
3

M12006-FAN I	F1	F 10A/125V
M12010-FAN I	F1	F 10A/125V
M12000-CM	F1	F 10A/125V
M12000-CM III	F1	F 10A/125V
M12000-02XFP24SFP/12GT-EA	F1	F 5A/125V
M12000-24SFP/12GT-EA	F1	F 5A/125V
M12000-48GT/4SFP-EA	F1	F 10A/125V
M12000P-48GT/4SFP-EA	F1	F 10A/125V
	F2 F3	F 15A/65V
M12000-24GT/12SFP-EA	F1	F 5A/125V
M12000-04XFP-EA	F1	F 5A/125V
M12000-48XS-DA	F1 F2	F 10A/125V
M12000-16XS-DA	F1 F2	F 10A/125V
M12000-04QXS-DA	F1	F 10A/125V

RG-WALL 1600-B-DC 0W000/0 -EA

# 6

## 6.1



## 6.2

1

**2**

Status

Power

OFF

**3**

Status

Link/ACT

**4**

Status

Link/ACT

**5**

Status

Alarm

Alarm

)

(

**6**

Power

**7**

RG-S12000

M O ò IG` ñ±”Ç š4\@

c

**6**

**10**

**link**

link

**A** —

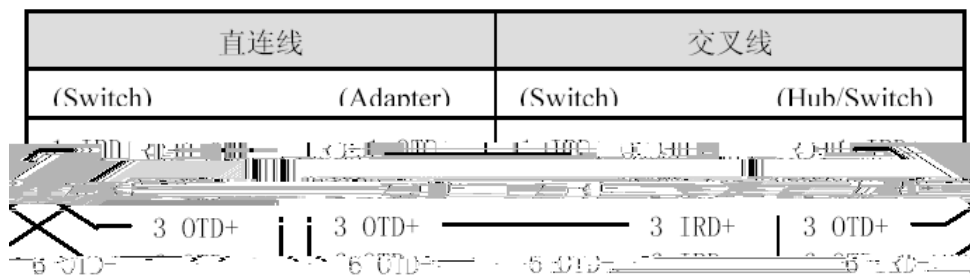
**1000BASE-T/100BASE-TX/10BASE-T**

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

MDI/MDIX Crossover

1000BASE-T IEEE 802.3ab

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



A





XG-SFP-CU3M		SFP+	3	28	10.3125	No
XG-SFP-CU5M		SFP+	5	26	10.3125	No

**40G QSFP+**

40G QSFP+

	(nm)		( $\mu$ m)	
--	------	--	------------	--

# C —

C-1

接地、极性检测指示灯：该  
红灯亮时表明接线错（没接  
地线，或左、零线接反），  
请检查您的供电线路。



- 
- 
- 

PE

PE

PE

1)

2)

3)

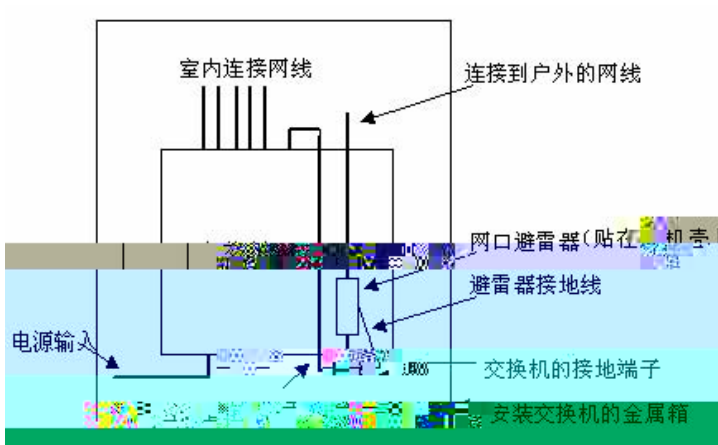
4)

OUT

IN

5)

C-2



10/100M

RJ-45



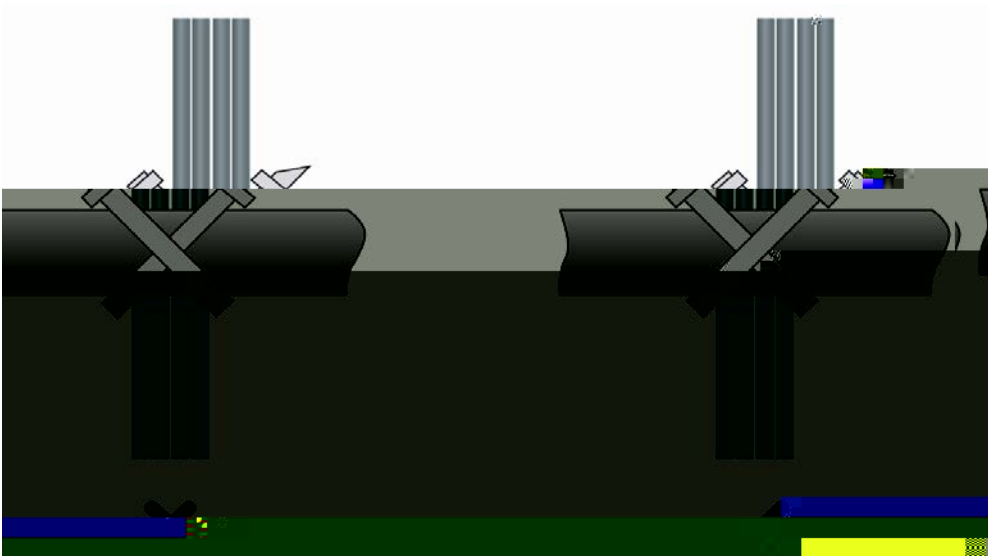


- 
- 
- 
- 
- 

30mm

D-2

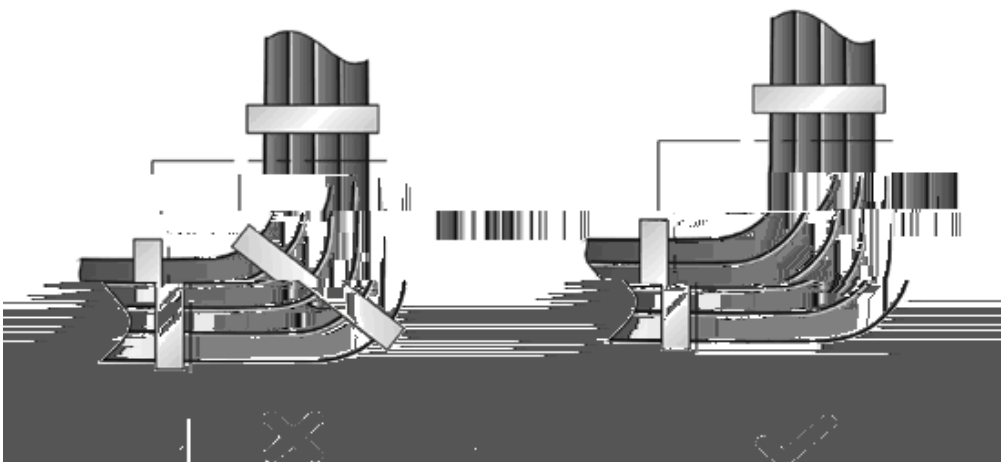
D-2



- 

D-3

D-3



- 

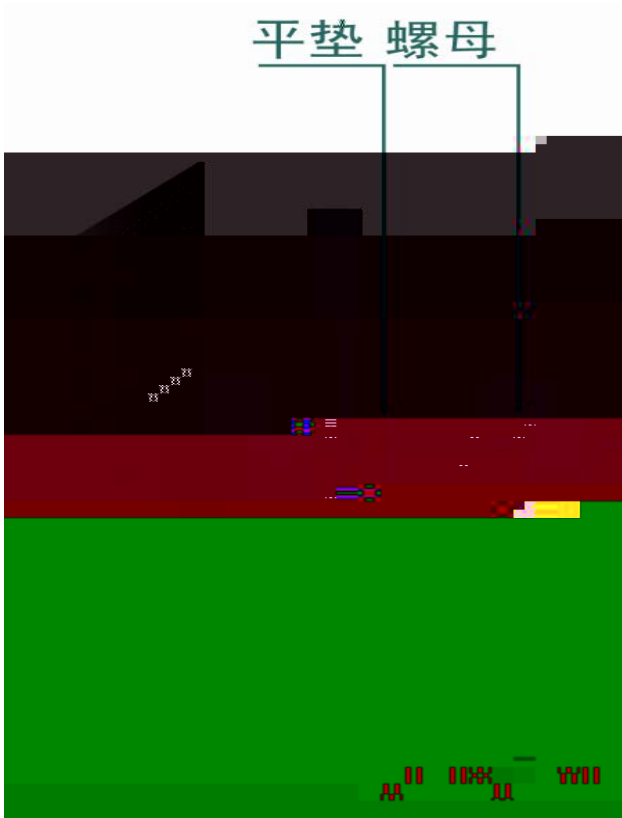
- 220V      -48V

■

■

D-4

D-4



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■

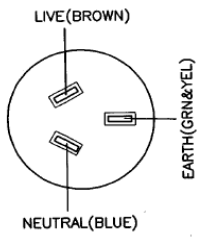
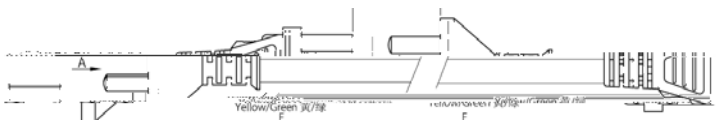
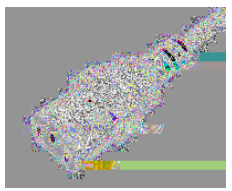
mm	mm
10	80~150
10~30	150~200
30	200~300

■

■

E —

10A/16A

3 3 x1.0mm2 10A	V-16100027-000	RG-PA800IF RG-PA1200	CCC
			
3 3 x1.5mm2 16A	V-16100013-000	RG-PA1200I RG-PA2000I RG-PA1200E RG-PA2000	CCC
