

# RG-S2930

V1.03

2022-06-29

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

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

7\*24h

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

7\*24h

4008-111-000

<http://www.ruijie.com.cn/special/fw/tool/xryf/>

4008111000@ruijie.com.cn

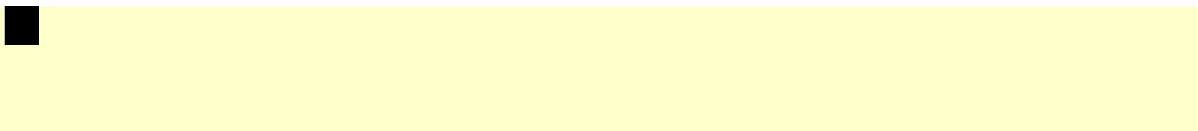
doc@ruijie.com.cn



APP



1.



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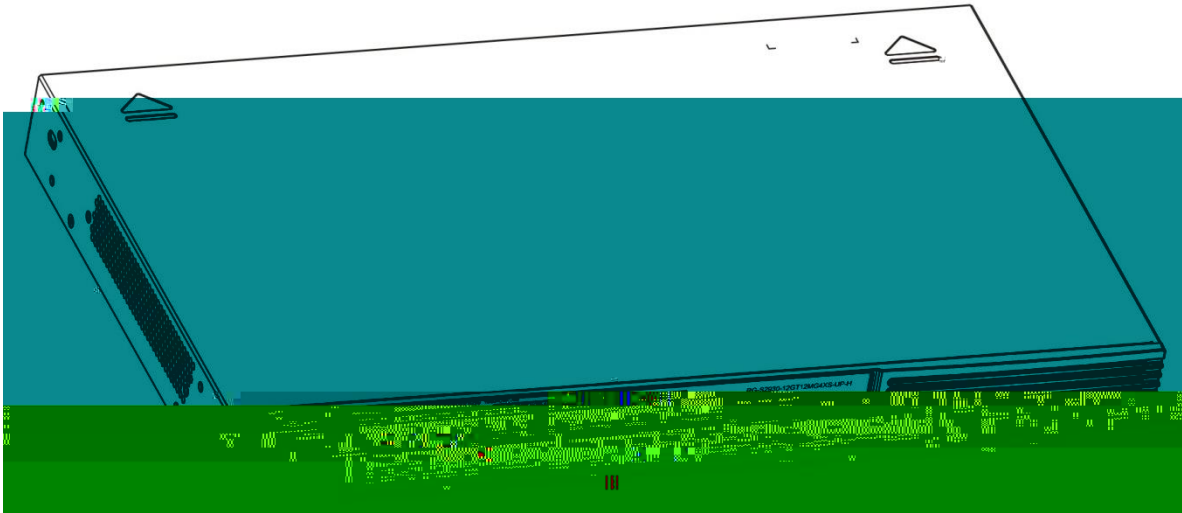
**2.**



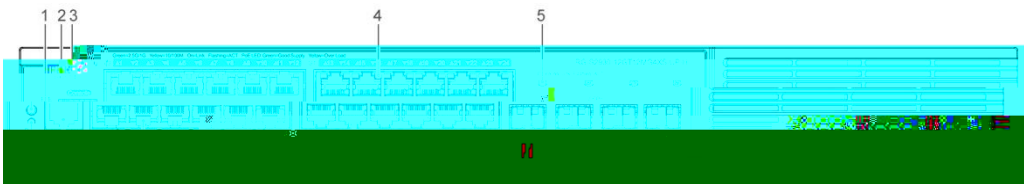
	<ul style="list-style-type: none"> <li>■ AC                     <ul style="list-style-type: none"> <li>100-240V~</li> <li>90-264V~</li> <li>50/60Hz</li> <li>6.8A</li> </ul> </li> <li>■ HVDC                     <ul style="list-style-type: none"> <li>192-290VDC</li> <li>3.5-2.5A</li> </ul> </li> <li>■                     <ul style="list-style-type: none"> <li>0.5mA</li> </ul> </li> </ul>																				
EEE																					
POE	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">RJ45</td> <td style="width: 25%;">POE</td> <td style="width: 15%;">1-8</td> <td style="width: 15%;">60W</td> <td style="width: 30%;">POE</td> </tr> <tr> <td>16</td> <td>9-24</td> <td>30W</td> <td>POE</td> <td></td> </tr> <tr> <td>PoE/PoE+</td> <td>370W</td> <td></td> <td></td> <td></td> </tr> <tr style="border-top: 1px solid black; border-bottom: 1px solid black;"> <td> POE</td> <td>POE</td> <td>POE</td> <td></td> <td></td> </tr> </table>	RJ45	POE	1-8	60W	POE	16	9-24	30W	POE		PoE/PoE+	370W				POE	POE	POE		
RJ45	POE	1-8	60W	POE																	
16	9-24	30W	POE																		
PoE/PoE+	370W																				
POE	POE	POE																			
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">POE</td> <td style="width: 85%;"><math>&lt;50W</math></td> </tr> <tr> <td>PoE</td> <td><math>&lt;430W</math></td> </tr> </table>	POE	$<50W$	PoE	$<430W$																
POE	$<50W$																				
PoE	$<430W$																				
	0°C 50°C																				
	-40°C 70°C																				
	10% 90% RH																				
	5% 95% RH																				
EMC	GB/T 9254.1-2021																				
	GB 4943.1-2011																				
x x mm	440 *260*44																				
kg	6.26																				

RG-S2930-12GT12MG4XS-UP-H      A

RG-S2930-12GT12MG4XS-UP-H	12	100/1000/2.5GBase-T	12
10/100/1000Base-T	4	SFP+	1
		Console	
1-1RG-S2930-12GT12MG4XS-UP-H			



1-2RG-S2930-12GT12MG4XS-UP-H



1 POE	6
2	7 Console
3 POE	8 100/1000/2.5GBase-T
4	9 10/100/1000Base-T
5	10. SFP+

PoE	POE	2
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1-3RG-S2930-12GT12MG4XS-UP-H



1
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RG-S2930-12GT12MG4XS-UP-H

AC

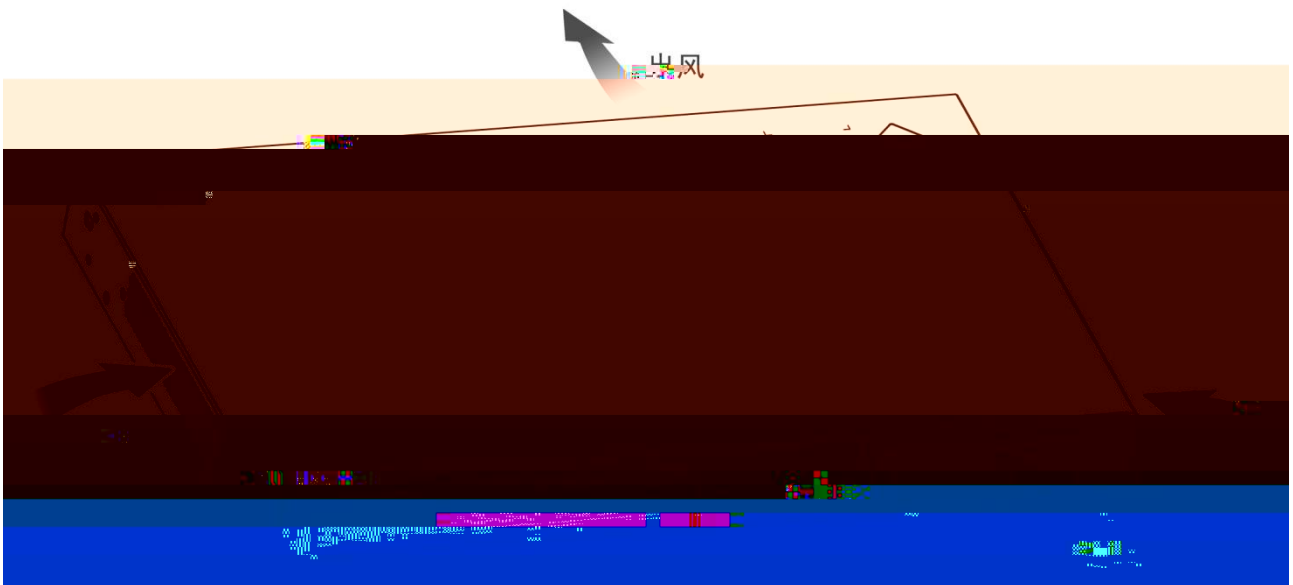
- 100-240V~
- 90-264V~
- 50/60Hz
- 6.8A
- 10A
- HVDC
- 192-290VDC
- 3.5-2.5A

RG-S2930-12GT12MG4XS-UP-H

10cm

3

1-4RG-S2930-12GT12MG4XS-UP-H





## 2

### 2.1



RG-S2930



#### 2.1.1



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2 2 30mA 30mA

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**2.2.2**

RG-S2930

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### 2.2.5

RG-S2930

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0.75 18AWG

3

0.75

18AWG

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1 RG-S2930

1

2-1

2-1RG-S2930



### 2.2.6

RG-S2930



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### 2.2.7 EMI

EMI

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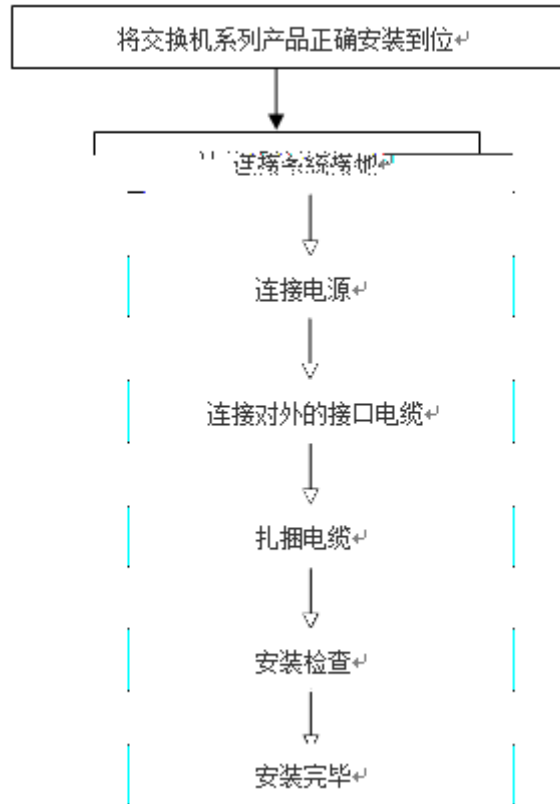
## 2.3




### 3



#### 3.1



#### 3.2

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#### 3.3 RG-S2930

- 
- 
- RG-S2930
- 10
- RG-S2930

**3.3.1**

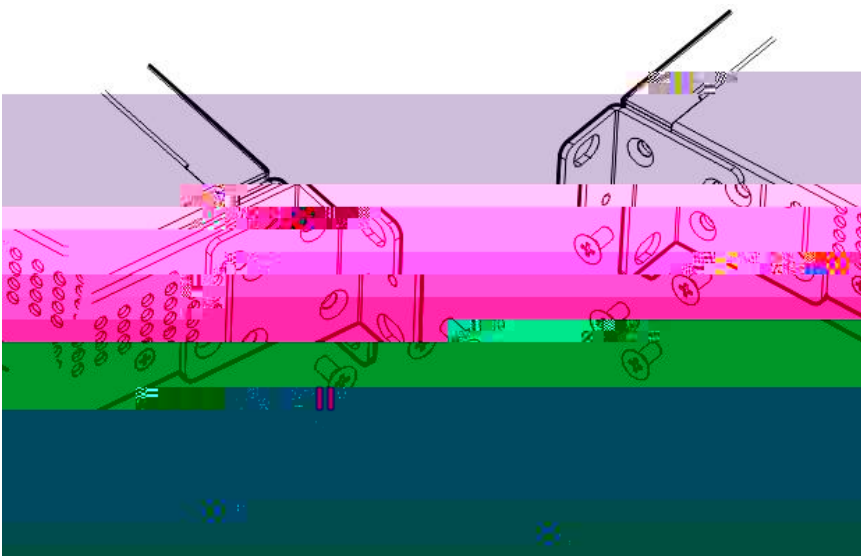
RG-S2930

EIA

19

3-1

3-1

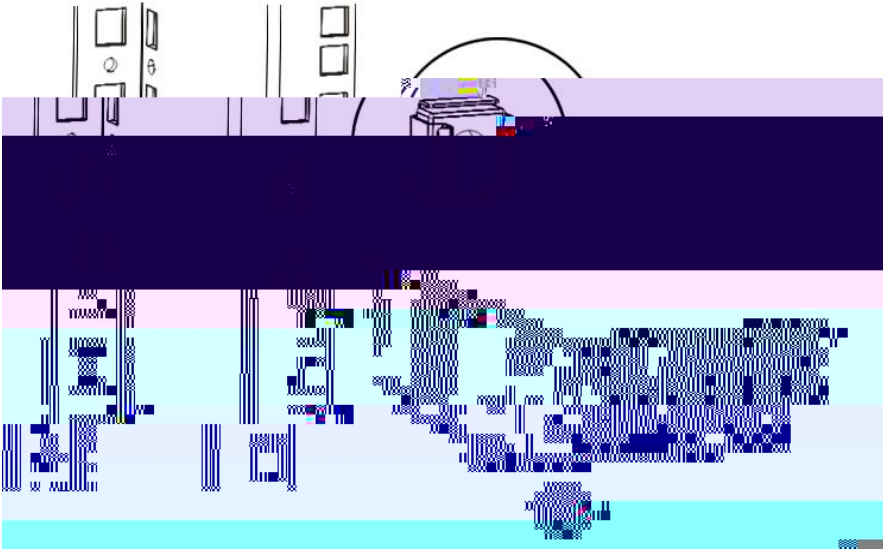


3-2

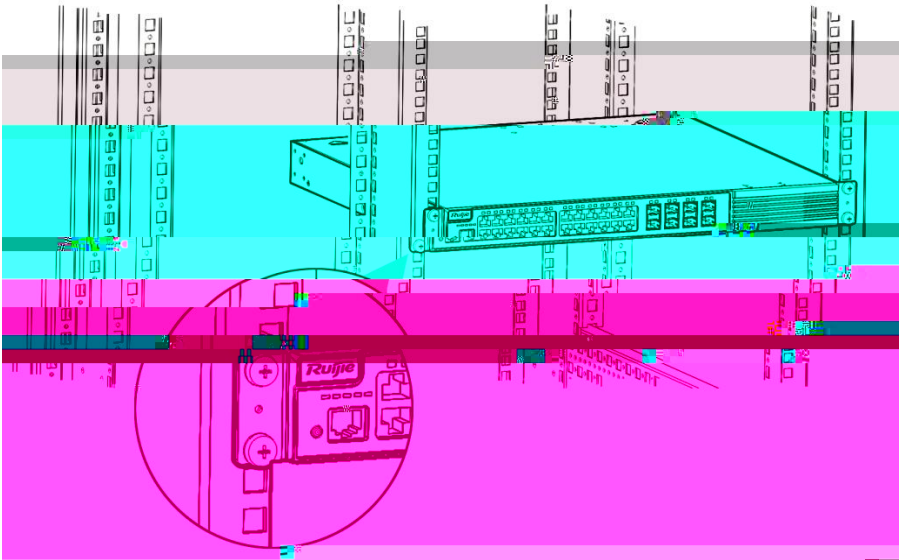
M6

3-3

3-2



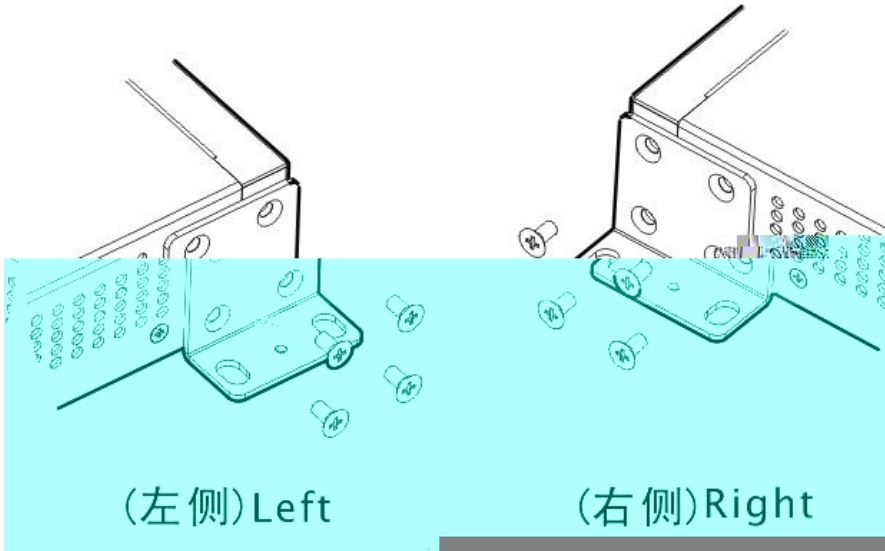
3-3



### 3.3.2

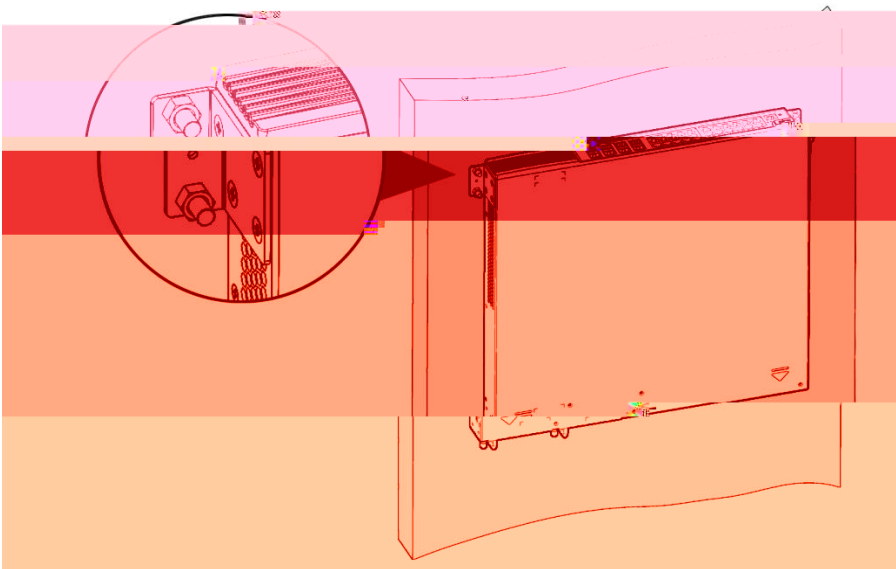
RG-S2930

3-4



3-5

3-5



### 3.3.3

19

4

3-6

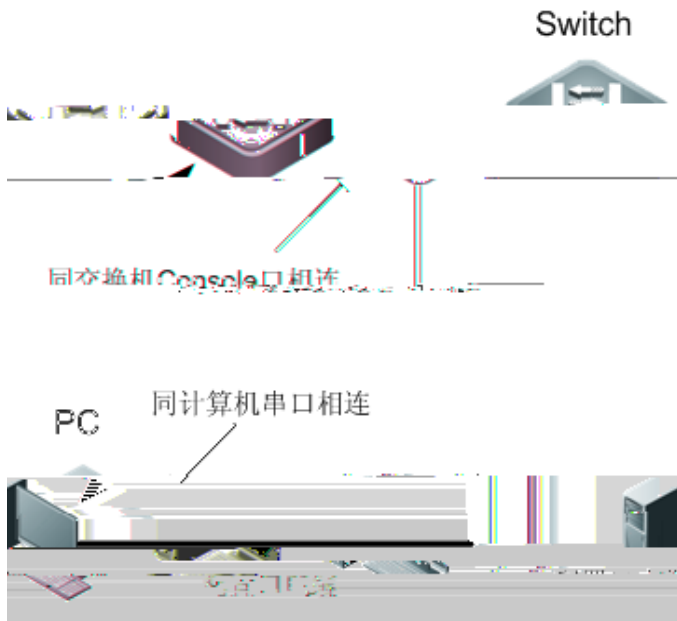
3-6



# 4

## 4.1

PC Console 4-1  
4-1



- DB-9 PC
- RJ-45 Console

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

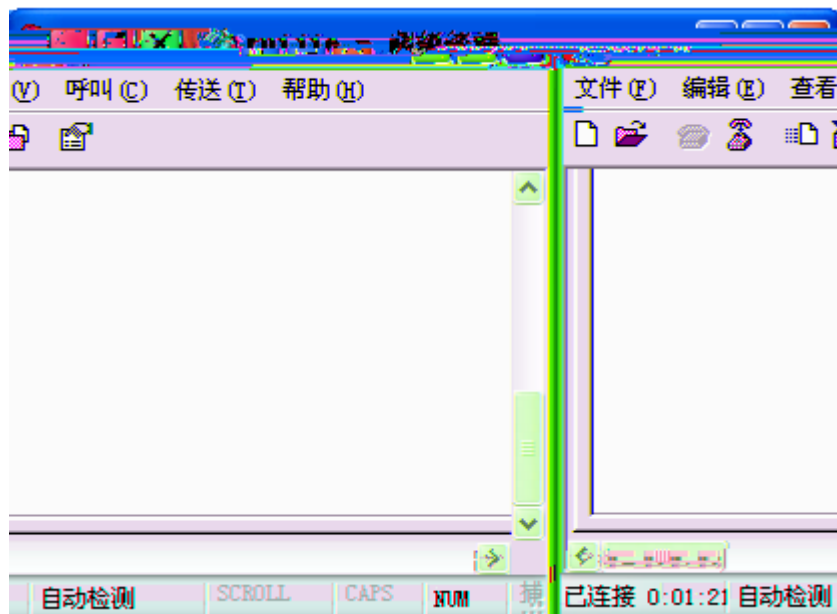
- 9600 8 1

1) " " \_ " \_ " \_ " \_ " 4-2

4-2







## 4.2

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- 
- 
- PC console

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## 5

### 5.1

### 5.2

status		



# A

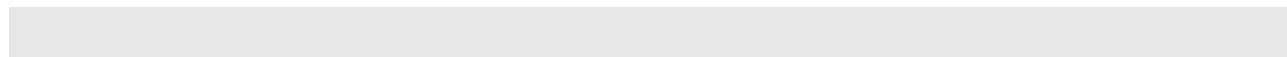
## 1000BASE-T/100BASE-TX/10BASE-T

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

MDI/MDIX Crossover

1000BASE-T	IEEE 802.3ab		100-ohm	5		5	UTP	STP
	STP	100						

1000BASE



<b>SwitchSwitch</b>		<b>Switch</b>	<b>Switch</b>
1 IRD +	1 OTD +	1 IRD +	1 OTD +
2 IRD -	2 OTD -	2 IRD -	2 OTD -
3 OTD +	3 IRD +	3 OTD +	3 IRD +
6 OTD -	6 IRD -	6 OTD -	6 IRD +

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

1000BASE-T/100BASE-TX

MDI/MDIX Crossover

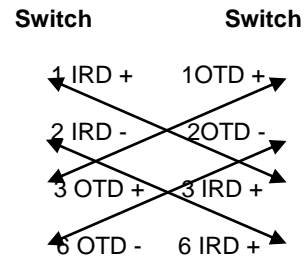
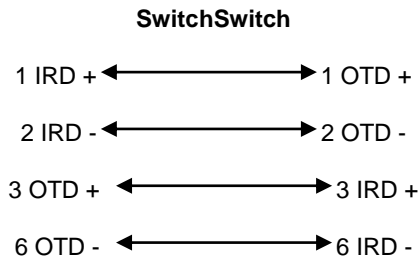
1000BASE-T IEEE 802.3ab

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



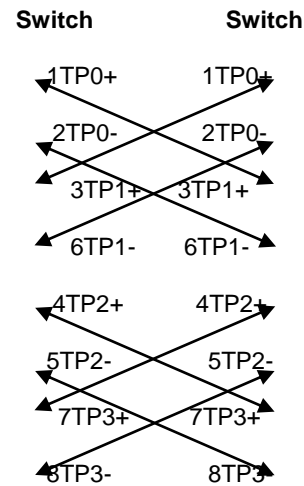
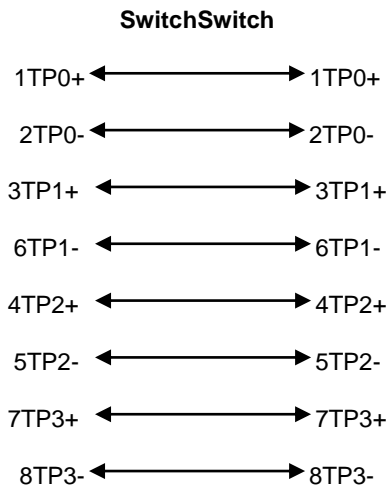
### 2.5GBASE-T/1000BASE-T/100BASE-TX

2.5GBASE-T/1000BASE-T/100BASE-TX

MDI/MDIX Crossover

2.5GBASE-T	IEEE 802.3bz	100	100-ohm	5	UTP	STP
	STP	100				
1000BASE-T	IEEE 802.3ab	100	100-ohm	5	UTP	STP
	STP	100				
2.5GBASE-T/1000BASE-T		4		4	2.5GBASE-T/1000BASE-T	
	A-1					

A-1 2.5GBASE-T/1000BASE-T





## B Mini-GBIC SFP+

— Mini-GBIC-GT ( )

SFP SFP+ Mini-GBIC 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/1310RX	No	-10			



**B-5 SFP+**

69 15.6 WBT/F1 9 T1 0 0 1 62.064 65322 69 n /P MCID 72/US)BDC 56

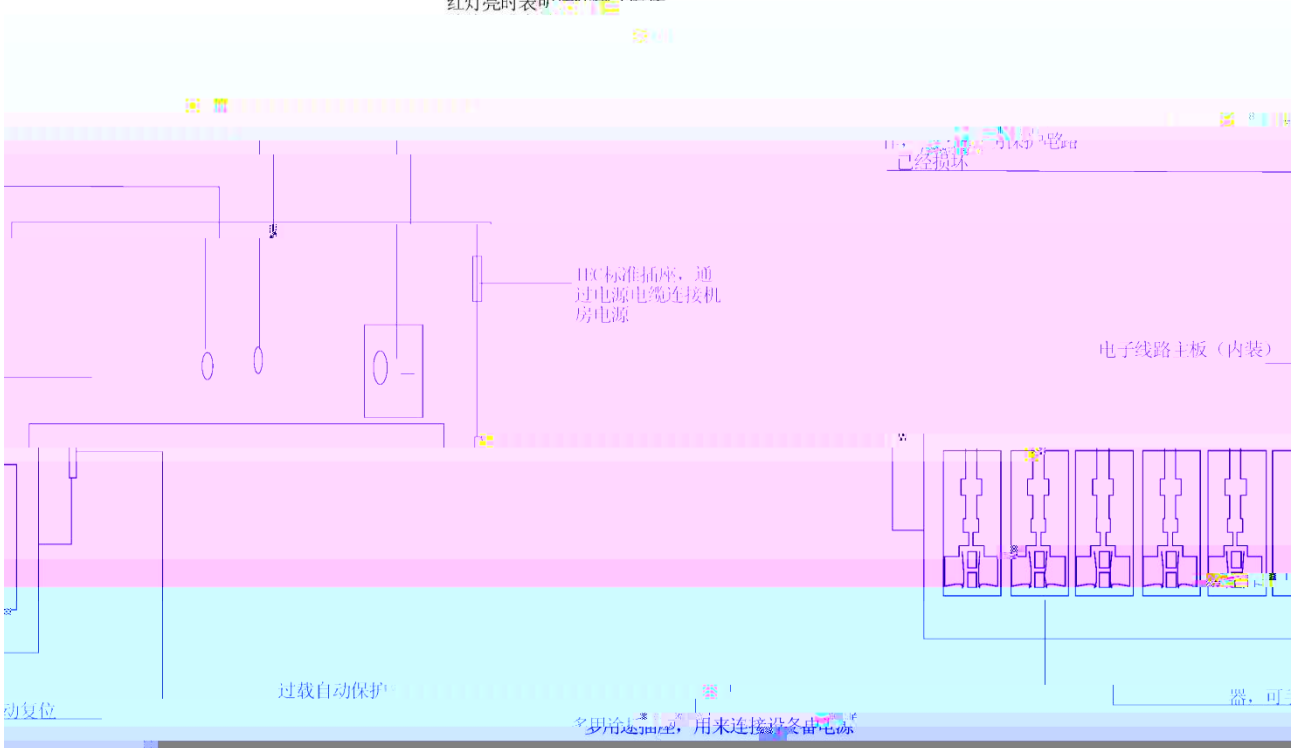
	(nm)	DDM (Yes/No)	dbm		dbm	
XG-SFP-SR-MM850	850	Yes	-5	-1	-7.5	0.5
XG-SFP-SR-SM1270-BIDI	1270	No	-3	4	-9	0.5



# C

## C-1

接地、极性检测指示灯：该  
红灯亮时表示



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PE

PE

PE

1)

2)

3)

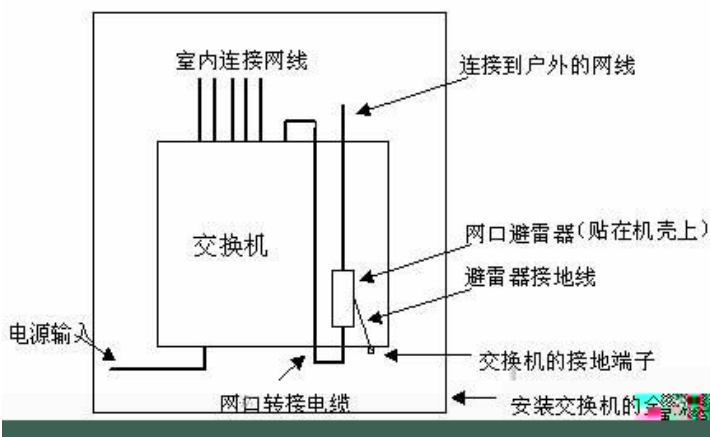
4)

OUT

IN

5)

C-2



10/100M

RJ-45



“IN”

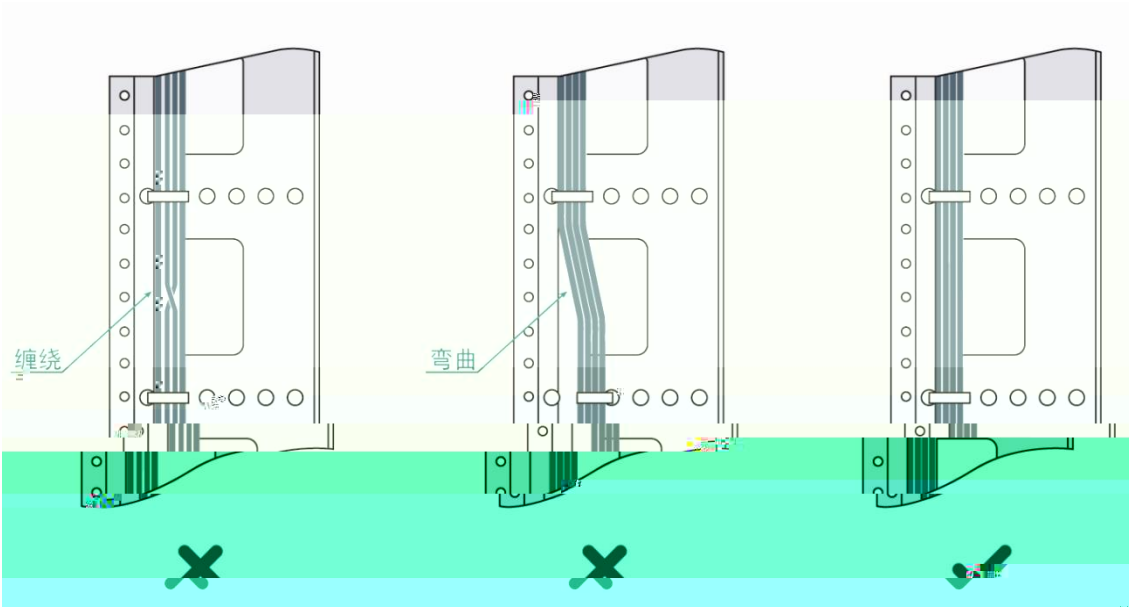
“OUT”



**D**

RG-S2930

19



■

30mm

■

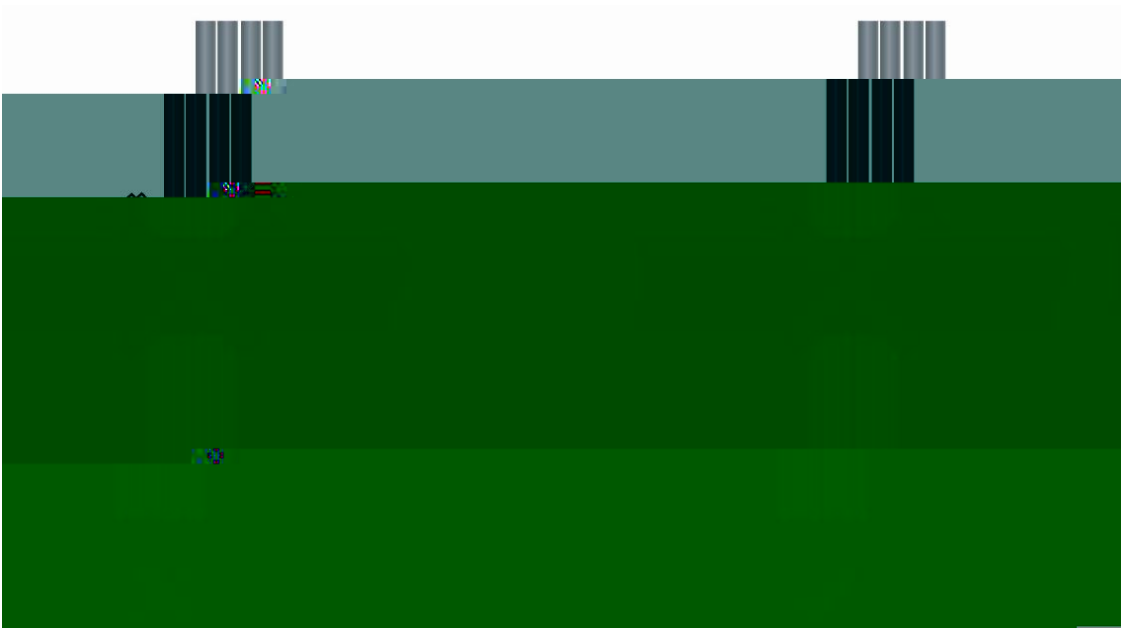
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■

D-2

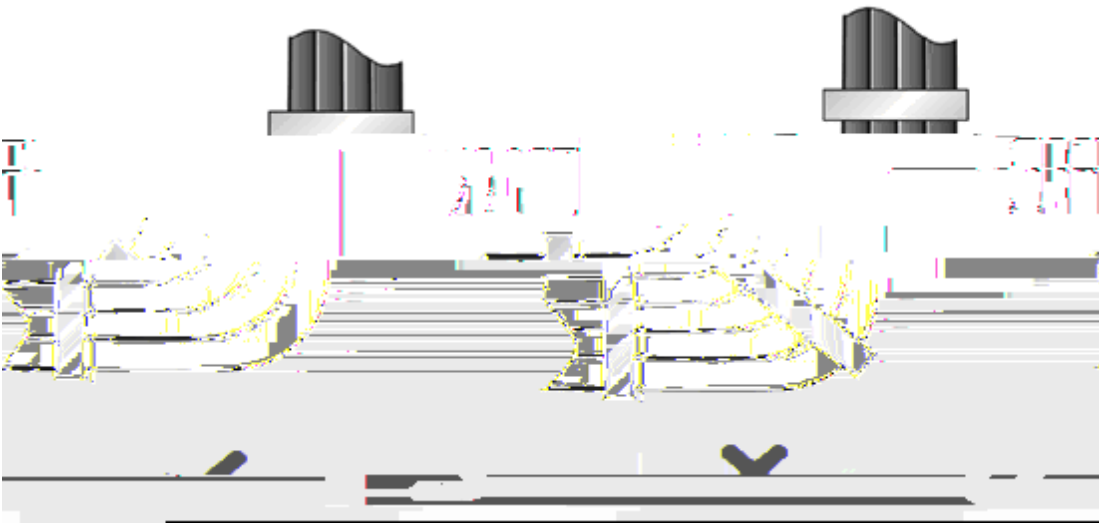
D-2



■

D-3

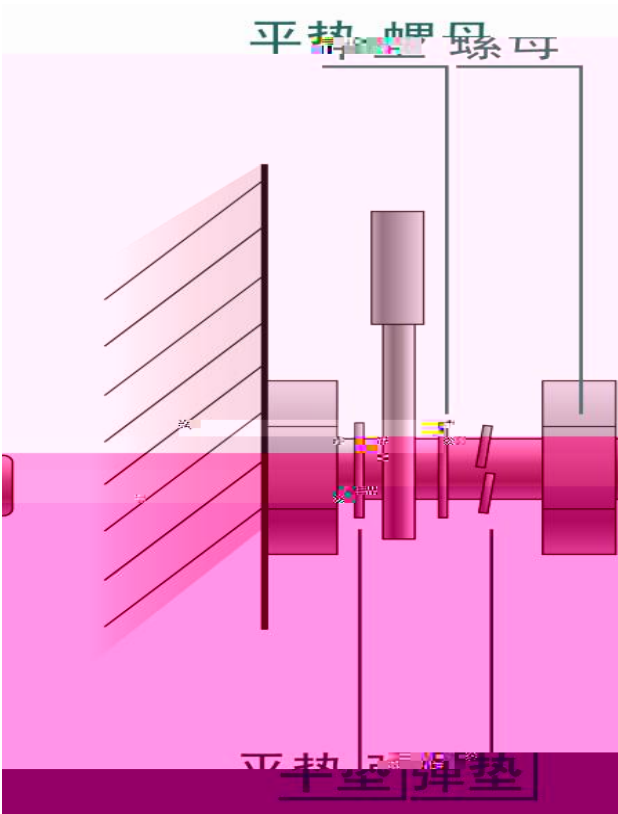
D-3



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D-4

D-4





# E

- 3.7km 5km 2km
- 3.7km
- 
- 
- 
- 
- 
- 
- 600mm
- 
- 
- 
- 
-