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- z iH https://www.ruijie.com.cn
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- z iH 7*24h 4008-111-000
- z iH 4i: http7*24h

2. ý

Õ ŏ

1 C| é

1.1 C Ð

2.0 @ã È@3k+ÇÙ]Èz[ECÑ 1k+Ç N@7-
ë1yLNÈ 6 ´ ã k+Ç+X@ã é Ä

@ëL@¶ APÃ APDÃNÁ61yÆÃÐ AP ¶ 48 ÆÈ ã RFID 4NÁÇÈ
RFID Ð7-È APD µ@6 APÈ 5G NÃ6Ñ@7-ẅ0=Æ 1F61yG}&È 9
>6Ã&KÈ ÿuL&H&Á

@ã+a¿1&4ô @Ö

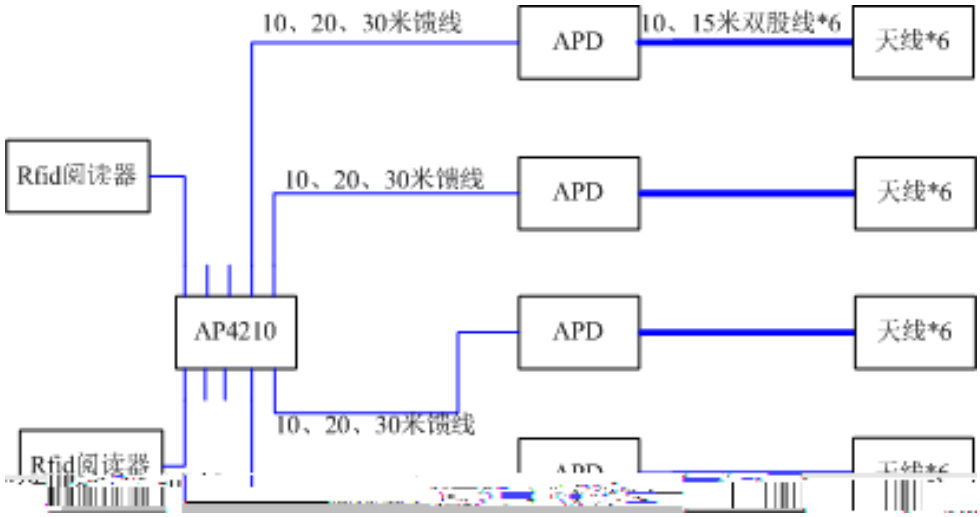
RG-AP4210Ö M&%[ã@ãC+X AP AÈ G+X 802.11N 1 NÁ ÈN@7-ÐMW,4Õ
&é ñ

RG-APD-MÜ6s„ẃ4× (xÈ:>| AP

ÆÆ&SõLÃÉÁ@7 NÈUEÆfE0D.ÜNÁ

z RG-IOA-2505-S1Ö. D ÙÁÈ G}8 APD-S ¯X ×

. 1-1 k+ßM&%[ß V2.0 @é 46ńj?



1.2 ê] O”

1.2.1 RG-AP4210

1.2.1.1 RG-AP4210 Cê

ñ	RG-AP4210
4é	

PEÃÞ D. ÁF

	JiÆ7M0ºËeÈ AP 1F_ af ,÷eGÅ
1Ñ61	1 Z console
4NÕ	8 Æ54NÁ +2 Z RFID 4NÁ
+eÀ	1 PoE ÆËe 802.3af QËeÄ
NÁ	802.11b/g/nÖ 2.4GHz-2.4835GHz ÄÅ
B3f°_	OFDMÖ BPSK@6/9MbpsÈ QPSK@12/18MbpsÈ 16-QAM@24MbpsÈ 64-QAM@48/54Mbps DSSSÖ DBPSK@1MbpsÈ DQPSK@2MbpsÈ CCK@5.5/11Mbps MIMO-OFDMÖ BPSKÈ QPSKÈ 16QAM È 64QAM
4·	11bÖ 14dBm 11gÖ 14dBm(6Mbps)È 12dBm(54MbpsÅ 11ngÖ 14dBm(MCS0)È 12dBm(MCS7Å
)ß	FJE÷IP41 LbdLbHAÊñ E Ö -10e C 50e C -40e C 70e C E 10Á 95Å 5Á 95Å
0W6G	10.8W
	FÚ GB 4943.1Ã EN/IEC 60950-1
EMC	FÚ EN301 489
Health	EN 62311
4NÁ	4ÆA7hÃ EN300 328Ã EN301 893

V2.0 @ã ê~0

1.2.1.3 RG-AP4210 CÒ”

7ÿ	M7Aö	ê	Ï
		5ßÿ	4Ñ R1-1&R1-2
êÿ	Status1		

1.2.2 RG-APD æ

1.2.2.1 RG-APD é¢

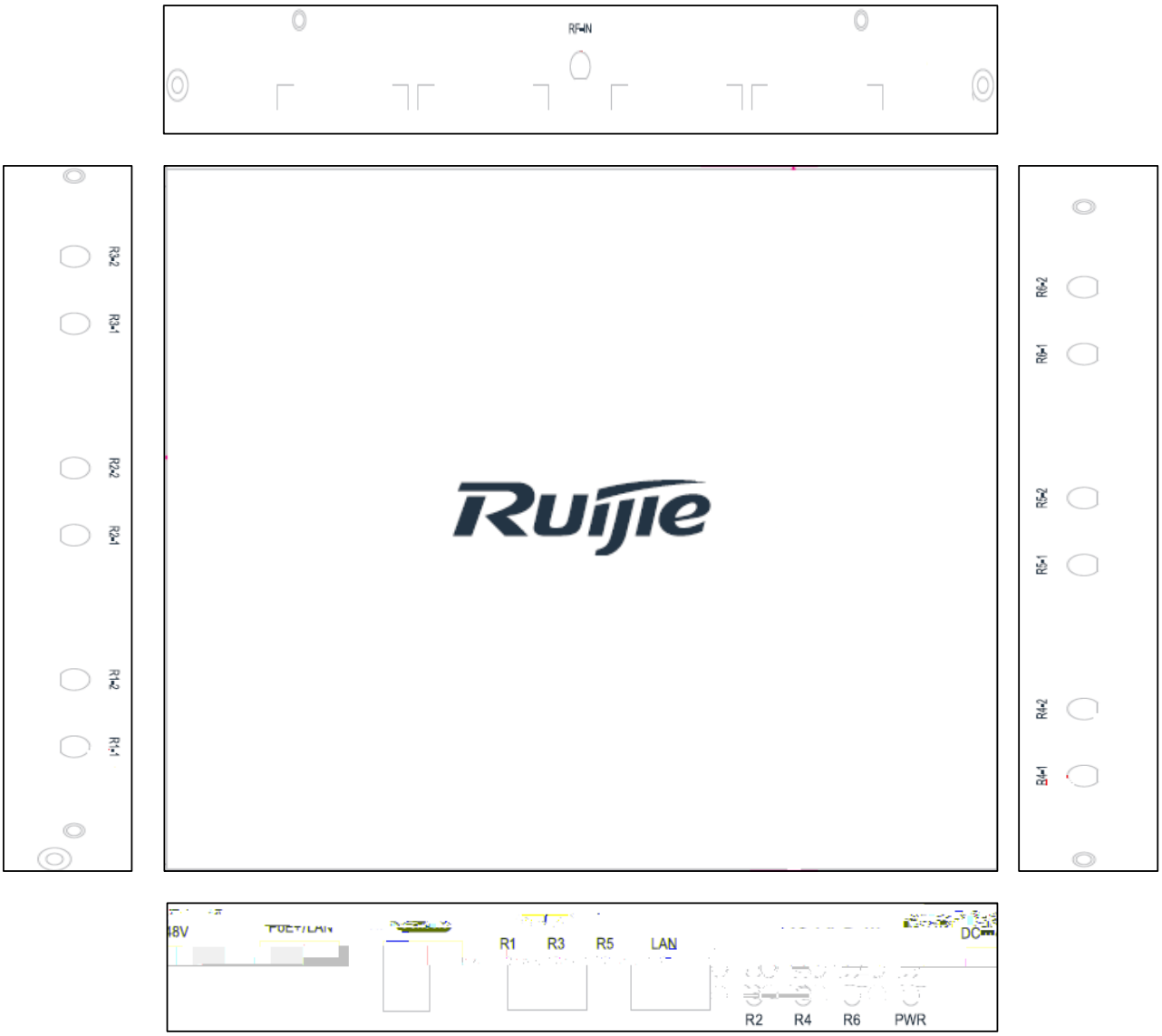
ñ	RG-APD-M

0Wẅ6G	23W
ø	Fý GB 4943.1Ã EN/IEC 60950-1

	DSSSÖ DBPSK@1MbpsÈ DQPSK@2MbpsÈ CCK@5.5/11Mbps MIMO-OFDMÖ BPSKÈ QPSKÈ 16QAM È 64QAM and 256QAM
4ï·	11bÖ 16dBm 11gÖ 16dBm(6Mbps)È 13dBm(54Mbps) 11aÖ 14dBm(6Mbps)È 10dBm(54Mbps) 11ngÖ 14dBm(MCS0)È 10dBm(MCS7) 11naÖ 14dBm(MCS0)È 10dBm(MCS7) 11acÖ 14dBm(MCS0)È 9dBm(MCS9)
)ß	FJE÷IP41 LbüLbHAÔñ ßÉ -10e C 55e C ßÖ -40e C 70e ßÉ 5Á 95ßÅ ßÖ 0Á 100ßÅ
0WõG	23W
ß	FÚ GB 4943.1Ã EN/IEC 60950-1
EMC ß	FÚ EN301 489
Health	EN 62311
4Nß	4ïA7hÃ EN300 328Ã EN301 893

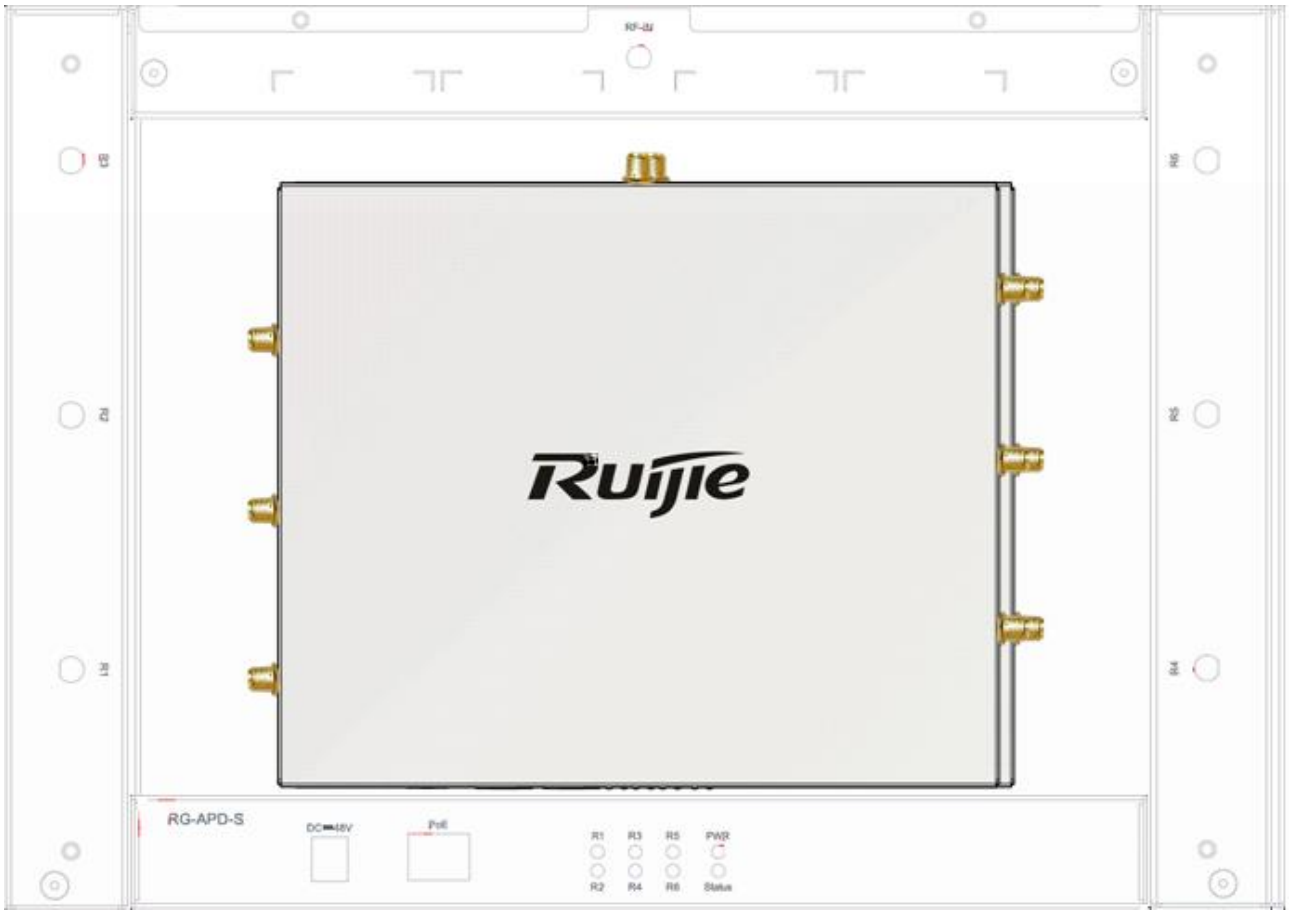
1.2.2.2 RG-APD CØ ¢

RG-APD-M



1. R1	R1-1&R1-2		12.R1-1	AP	1 CH0,SMA
2. R2	R2-1&R2-2		13.R1-2	APD	1 SMA
3. R3	R3-1&R3-2		14.R2-1	AP	2 CH0,SMA
4. R4	R4-1&R4-2		15.R2-2	APD	2 SMA
5. R5 .	R5-1&R5-2		16.R3-1	AP	3 CH0,SMA
6. R6	R6-1&R6-2		17.R3-2	APD	3 SMA
7. LAN	LAN		18.R4-1	AP	4 CH1,SMA
8. PWR			19.R4-2	APD	4 SMA
9.PoE+/LAN. PoE		LAN	20.R5-1	AP	5 CH1,SMA
10.48V			21.R5-2	APD	5 SMA
11.Console	RJ45		22.R6-1	AP	6 CH1,SMA
			22.R6-2	APD	6 SMA
			23.RFIN		SMA

RG-APD-S



1. R1 R1
2. R2 R2
3. R3 R3
4. R4 R4
5. R5 . R5
6. R6 R6
7. PWR
8. Status
10.48V

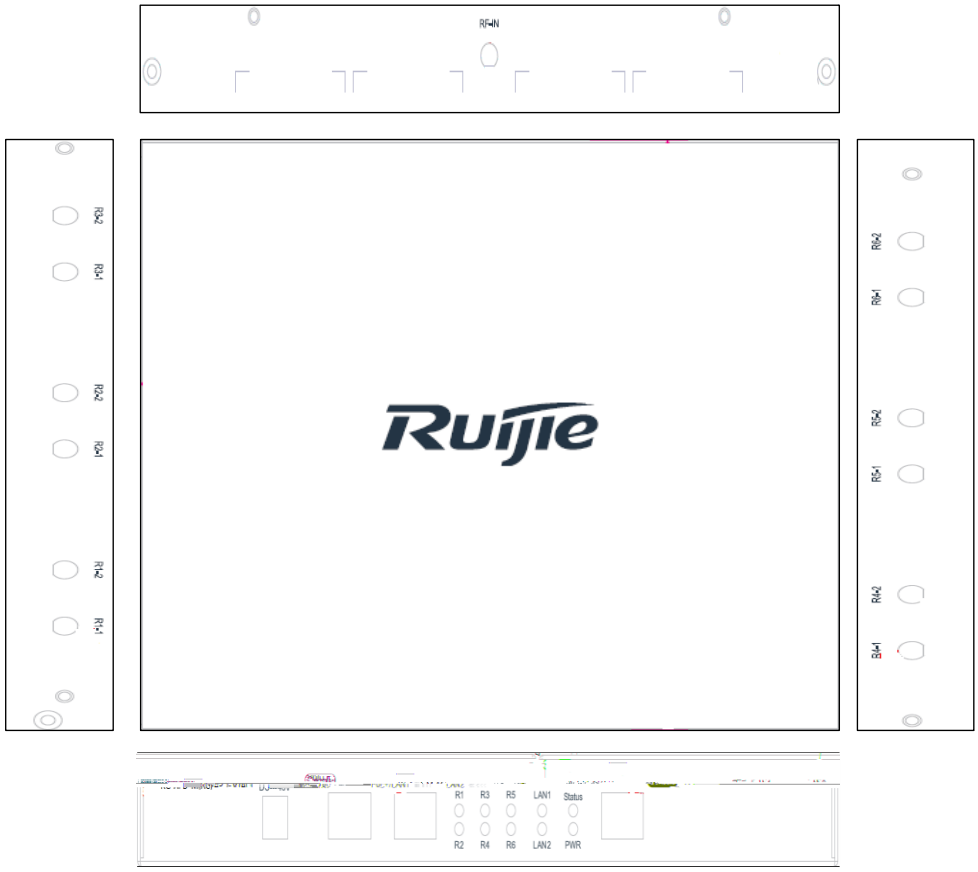
11.R1 1 SMA

..9 12 R2 2 reW* nBT/P210 SMA 1 0 0 1 165.58 385.

3>> BDC 357.55 380.95 181.7

3>> BDC 357.55 380.95 181.7

12. R2 8>l TJETO EMC /P 4MCID 58>> BDC 352.15 271.73 191.9 140.42 reW* nBT/F10 9 Tf1 0 0 1 165.74 323.63 Tm0.2 g0.2 GI 12344EC1>13


R1-1
R1-2
R2-2
R2-1
R3-2
R3-1
R4-2
R4-1
R5-2
R5-1
R6-2
R6-1
R1
R3
R5
LAN1
Status
R2
R4
R6
LAN2
PWR

1. R1 R1-1&R1-2

(ä7/j&Ÿ R1

RG-APD-M(AC)

7/j&Ÿ	M’ ¯ 7Aö	(æ 1	[y
(æ 1 7/j&Ÿ	R1	5/8¢&Ÿ Þ	4NÁ R1-1&R1-2 Œ!“ h
		4Ò8¢&ŸÞ	4NÁ R1-1 =.ž Ê È 4NÁ R1-2 2 h
		&Ÿ&•	4NÁ R1-1 2 h È 4NÁ R1-2 !“ h
(æ 1 7/j&Ÿ	R2	5/8¢&Ÿ Þ	4NÁ R2-1&R2-2 Œ!“ h
		4Ò8¢&ŸÞ	4NÁ R2-1 =.ž Ê È 4NÁ R2-2 2 h
		&Ÿ&•	4NÁ R2-1 2 h È 4NÁ R2-2 !“ h

(æ 1 7/j&Ÿ

=Æ Á O 4Æ q Û	RG-APD-S @ Rn Ø	RG-IOA-2505-S1 4õ

RG-Cab-SMA-15m 4Ö6Fß.Ö

# Gú Ö	’	LMA240 4NÁD#4ï È15 2£
	“	SMA Ä µ=ê4é µ „ ÅEœ Õ d
	”	SMA Ä F=ê4é µJ¸ ÅEœ Õ d

=Æ Á O 4Æ q Û	RG

6	JL-RSG	热缩管	PET	1PCS

15m ÈÒ¸(è56KÐ 15m

=Æ24ô APD-M µ (Rn-1= Rn-2)Â5*,º FÛ5

1.2.5 RG-IOA-2503-X1 Ž

1.2.5.1 RG-IOA-2503-X1 Ž

ñ	D á RG-IOA-2503-X1 V1.00
j (mm	201x45x43.5
G ÿ Kg	0Ê 3
Ì µ dBi	3
P#	0 2.5@2400-2500MHz 0 2.5@5700-5850MHz
4	

¾ê		ê?
ëê	ìÆ	-30 +65
	Cëê	-30 +65
ëê	ìÆ	10%~ 95%ÄÆÇ
	íê	5%~95%ÄÆÇ

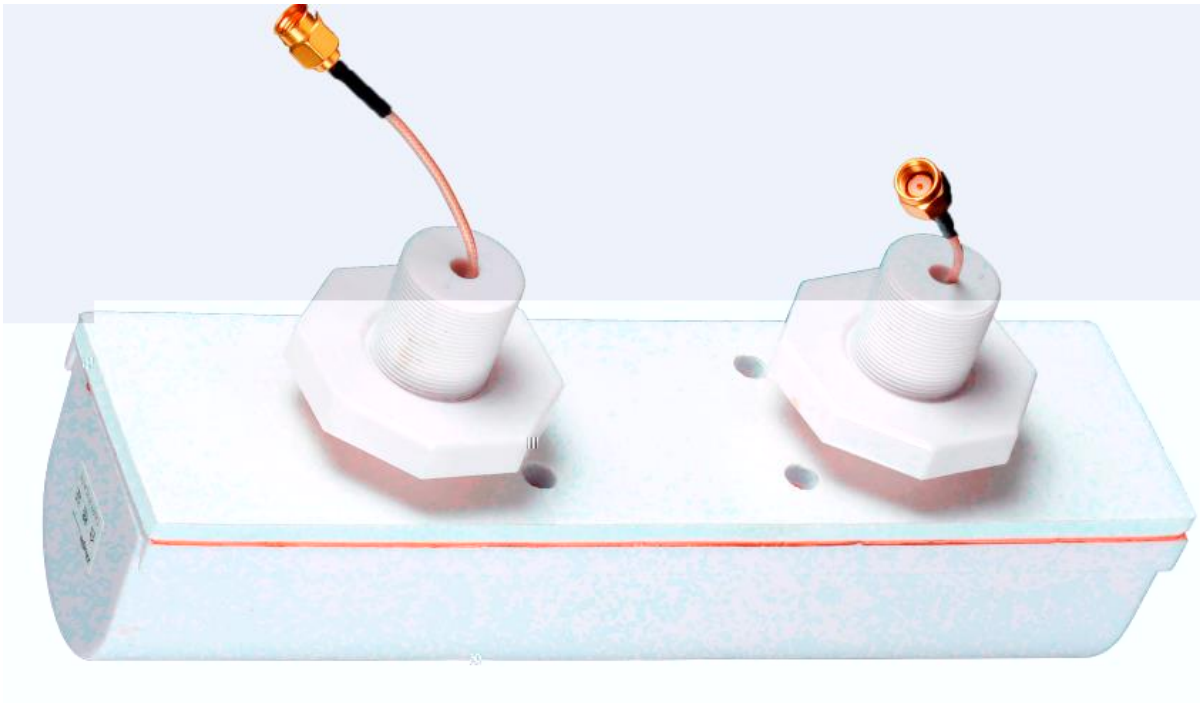
Ðê¢

Dí RG-IOA-2503-X1 V1.00 5[2 Z ¥ W SMA ý Ä µ Å ÕÐ FMbX jêEé È¢p/jÖ

		RG-IOA-2503-X2 V1.00
j (mm		200x53x25
GÇÿ Kg		0.25
Îú dBi		2
P₩		0 2.5@2400-2500MHz 0 2.5@5700-5850MHz
¥LÆÖ dB		40
LkÇ (¡)		50
Õ		¼W SMA Å
NÆÁ		2.4000GHz-2.4835GHz× 5.725GHz-5.850GHz
➢ê		hN¦?
₩	(Æ	-30 +65
	Ç₩	-30 +65
₩	(Æ	10%~ 95%ÄÅ
	(Æ	5%~95%ÄÅ

1.2.6.2 Ø ¢

D RG-IOA-2503-X2 V1.00 5[2 Z ¼W SMA ý Ä µ Å ÕÊ X j6U' È ;p/jÖ



6Ö ' 6ê 4 Z 3x10 ¢ d8k=M

" ¥2!$ 21mmÈ2{L/ë 93mm

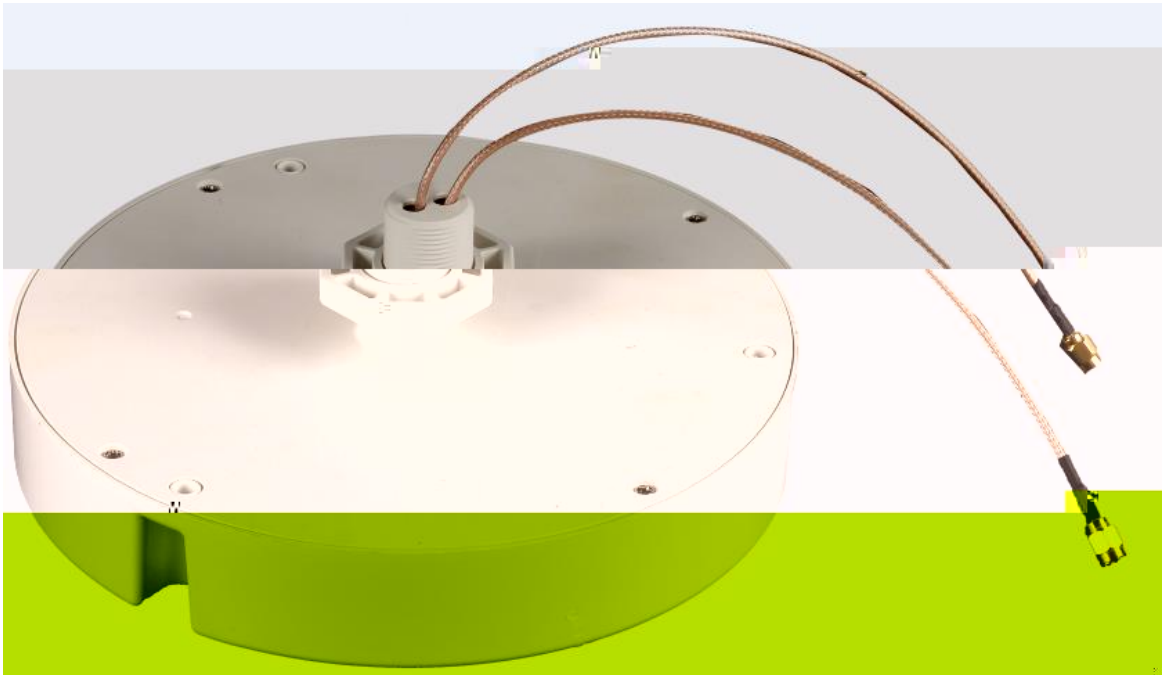
" SMA Õ¡¤éÃ

• K 30CM Y

1.2.7 RG-IOA-2503-X3 Ž

1.2.7.1 RG-IOA-2503-X3 Ž

ñ	Ð Á RG-IOA-2503-X3 V1.00
j (mm	211x37
G Kg	0.32
[redacted]	[redacted]
P#	0 2@2400-2500MHz 0 2@5700-5850MHz
4 dB	>=40dB



€Ù	’	6ü¦ê	4 Z 3x12 ¢	d8k=Ñ
	“	¥Ï=Ê$	24mmÈê$	46mm
	”	SMA Ûµ¤ê¶Ã		

1.2.8 RG-IOA-2505-S1 Ÿ

1.2.8.1

1.2.8.2 Ø ¢

…D Á RG-IOA-2505-S1 V1.00 5[1 µ SMA õÕ¿ÿXÕ-È ¦ ¼¶ÚM>ü D ¼ï 0
8$Õ-¢59p=È Fß/jÖ

€Ù	’	6ãµ	4 Z	3x10 6d8k=M	
	“	Ê¸W6z´		3.80Ãz´	2.05
	”	SMA õ¸ã.Fmg			

2 Gø é Ô

2.1 GÐ

Ð MÐ V2.0 @é ÑÌ×ÐXÐÆÀÃ7ºhÐK+X/ÈÐÑ‰CÐ6±ºÄ

2.1.1 Ù

RG-AP4210 ¼ APD ÐX j# T× éM¯ +Ðã 10cm ,0Ł$ È ÐD,ÐJ ÐF>ÐF Ã/ý 564ÞÐ6@4F¤6 - n5ŽG}4ÐÈ}QFNÐ

2.1.2 Þ.

ÐÀñ A7 !ÐÐ05$0Ð4±V8ÐJ
ÐA7FPÐ@

„ 4¾()ÐÑÇ,)ÐFP@55HÉ5H=8ÐJ8%?e× 9&€C+OÐÐV7-FÑÐŽ &K8±y)ÐÄ

„ 4¾()ÐÑ÷,)Ð5H(wJ5ÐC× +OM%eÐÀ7:,÷eDÄ

„ 4ÐÐÇ,)ÐÐVÐÀ7,MÞWWW,Ł}~ÐŽÑQÐJÐÐO61FEθÄ

A7))ÐÐÞ?Ö

Ð		-()Ð	
KÑÐE	.ÐE	KÑÐE	.ÐE
10ºC 45ºC	-10ºC 55ºC	40% 65%	5% 95%

Aê)Ð Ð ÞH&÷AêpÐ×ÐÞfµ 1.5M QÜ ¸ ÐAêÐMµ 0.4M: ,º ÞH>

.Ð¡=F 5€CÐý 48 E,ÐeA× CCÐý 15 _ >

2.1.3 MÓ.

ÐA7FÐÐÐÈPÐÐÐÐ
ÐFPÐÐÐÐA7ÐÐÐFPÐÐÄ RG-APD-HF04 A7)joÐH
[GÐÂÞ² ; >˜Ö

0W-$ (P)	0.5	1	3	5
0WÐ Ä NÐÕ /0Ð£ Å	1.4×10^{7}	7×10^{5}	2.4×10^{5}	1.3×10^{5}

L'&HFÈ7p4,ĵo)0Ð]p[,´Ã¸ÃÑ(9'Ul,²ï'Ä Ëé{ÙÐOHŽ7Ê&,´

61FE0ĵòÄb9ÐÞWF.ÃÑRÑWFÐ1y,Ê RG-APD-HF04 A7)FË §

L¢² ; >Ä

Ð ƒ	¢vÄ mg/m³Å	0WÄ mg/m³Å
‰WF.› SO_2	0.2	1.5
.FR H_2S	0.006	0.03
‰WF^ NO_2	0.04	0.15
‰XÐ NH_3	0.05	0.15
Ð Cl_2	0.01	0.3

2.1.4 ê

A7 XX]7-835FGèËJE6V8Ø6V8ÆÀÆe ¢35Å
6V8#ÐÑEÃL¢A7ø¢

„ ê¢e3+5j TN 3+5ê¢eÀÆ+X9ÇÄ PE

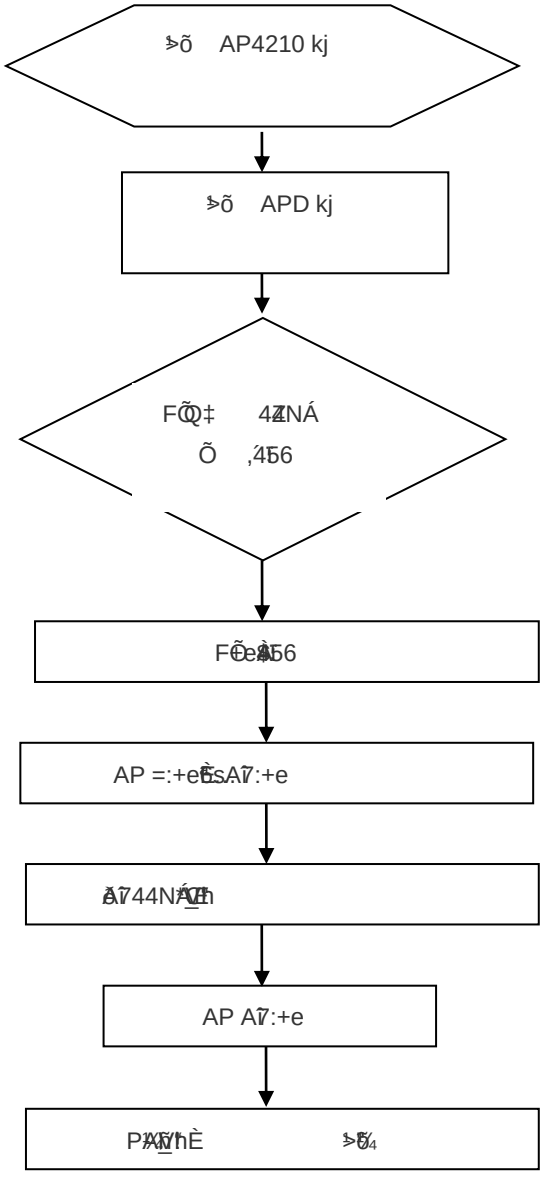
C+X§	LbM‰§
>˜	7+X>˜

@M6?m8 >ä>

3 C¢S

B-.A(54üB11bÂ,º ï» > .AÚbÂF&,º ¤(5%Cé >

3.1 G¤V



3.2 G ø \

XÞ:À

„ ¾ð7-VËÐ,Nþ Ê JE* Ä

„ ¾ðV%CÀ7)ÞÀ Ä

„ ¾ðV35ž eÀ%CÞ+eÀ Ä

„ ¾ðV35ž(55G}4Ä

„ F9+X Ëe F_ POE Ëe È Ëe+eÀ 7-=7- Ë NÊeÀ

„ AP4210 ,´ RFID0Ã RFID1 ÐF7&=ÜÐ02: RP-SMA COEed

ê

„ POE Ëe

G+X POE Ëe&IÈ¾ .FÕ,01 802.11af F 802.11at POE Ëe7-Þ654Ð6FÕ
À7,´ POE È Ð• 4Ã 5Ã 7Ã 8 4¿ Ëe Ä

„ Ëe

G+XËe,&I È+Xg8>F9C]B' 48V +eÞÃ+eÀ

Ø+eÀ

N©-	F
+eÀÃ	100-240V ACÈ 50-60Hz
+eÀÃ	+48V DCÈ 0.52A MAX×

3.3 RG-AP4210 G2

l•

õ È? &Ö

„

a	^ Aê ËkÞµ± A¥ Aê,º ¾.	?³	:NÇ Ûì3(F@	:NÇ5Ł CUE³	ç ^ 4ßÑE?7 A @+k%73FVF

F98F2ðj5Ê XQ4ÈŠ{ÐÉJA7sØümÄ	²	3.1 ,¾ðj;	è Aï	¾ø-(Ï5È¼	È ¼@¾õ,ðE Ãõ

²û01Þ	Aê ,º ,OÞ-.ð+kÐE	
B-.²êðÏ0%M>		
B-.4õ	Aê ,º ²þðÃp&¼7>	

G,aB¥

A7E1þðÈ×ðÞJÄ

„ ¾õ1Ñ¼ð63j(Ö

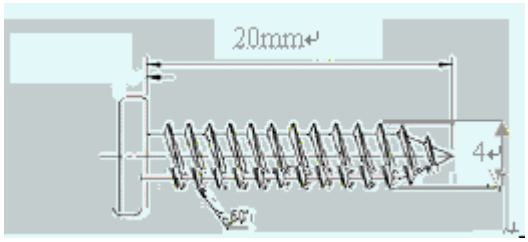
-ÐJ 7ðõÑ M7x 4.5x28 Ä mmÅ

=ðÖ 4*20PABC Ä mmÅ

. 3-1 7ðõÑ?

(1)

. 3-2 =ðÏj?



fÔ G

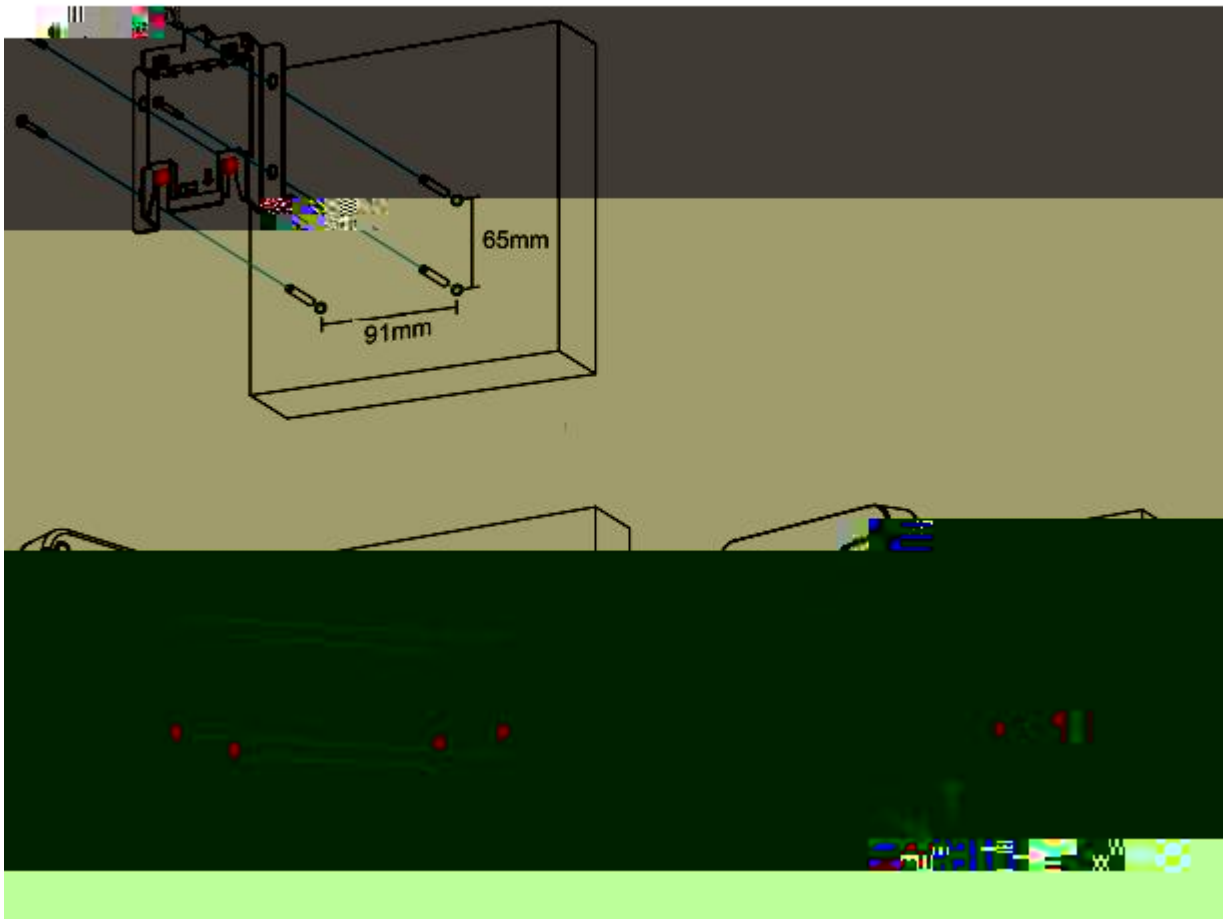
„ ð¹õ

1) xXÉ 4 ²Ð 6mm ,¾ÞÐj 91h 65mm ,KÐ[@ÄÐ+Xgi¾õ1ÑðÏ¼
j(8>|TÐ0.¾õ1Ñ-O5þ¾õ1ÑÑXÉÈÞ=ð¹> 6=ð3W*XÉÄ

2) 6>õ1ÕÊp¸1Ñ>ÉUÆ

3) 62æX=ª*ÊÆ&B2ªÚÑ:>È/MF¸FM /Ä

. 3-3 RG-AP4210 Ø>õ?



4) 6 A7 Å2)Ø¤>6 A7 ¹p2æ>õ¸kjØ¸È : p/jÄ
& A7 ÅNÈ7/j2æÈ7/jÄ(Æ 7/ ý A>õ Ä

5) K1j¸N+Ø¼+XgiÅM0r8>Ê¸C]K1dØ>õ 2K1È¤? A7 ÅK1Ä2&K1Ä¸iG}Ä

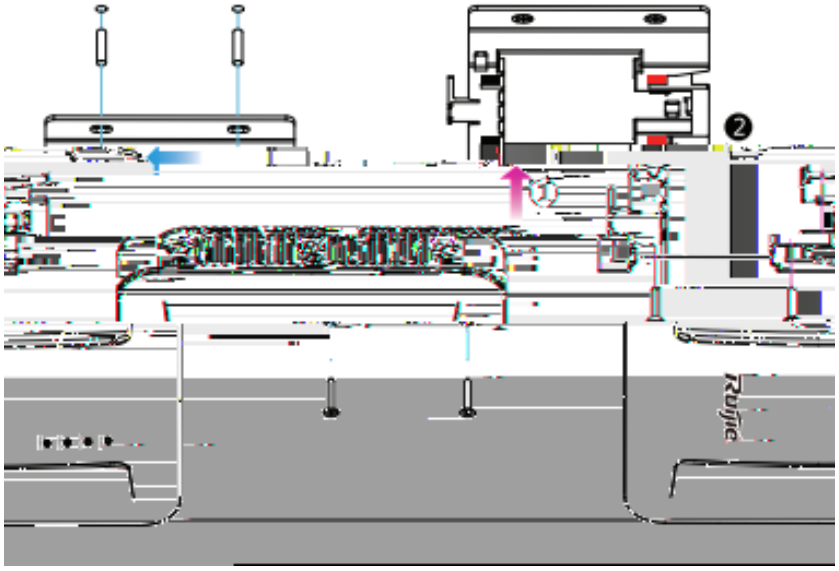
„ hN¤õ

1) xX8ª 4 Æ 6mm ,>õÈDj 91h 65mm ,KØ|@Ø¼+Xgi¤õ1Ñê
J¼j(8>|TÅM0.¤õ1Ñ-O5Ø%õ1ÑXÉÐ¬æ>6=Ø3W*XÉ
:Ä

2) 6>õ1ÕÊp¸1Ñ>ÉUÆ

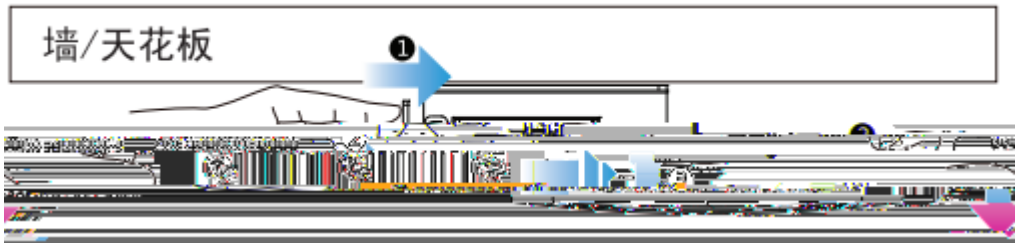
3) 62æX=ª*ÊÆ

. 3-4 RG-APD-HF04 hN¤õ?



4) 6 A7 Å2 ß æ6 A7 p2a ãkjØ :. p/jÄ
&ÅN87/j2a87/jÄØ ý A¾ä

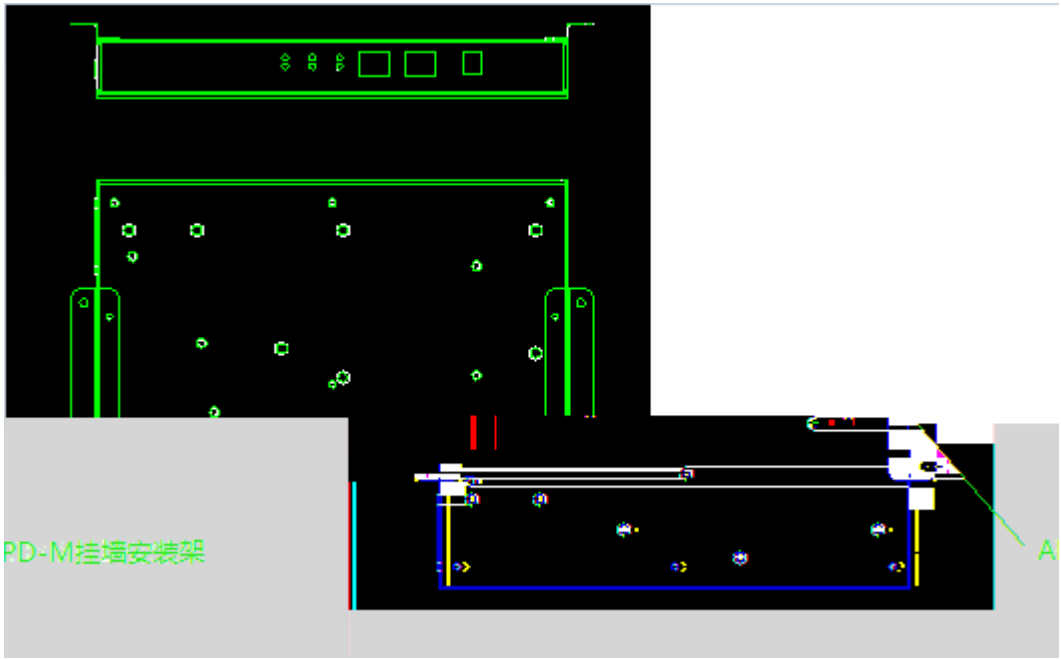
5) K1jN+ +Xgi M0 8> C]K1dÄ`



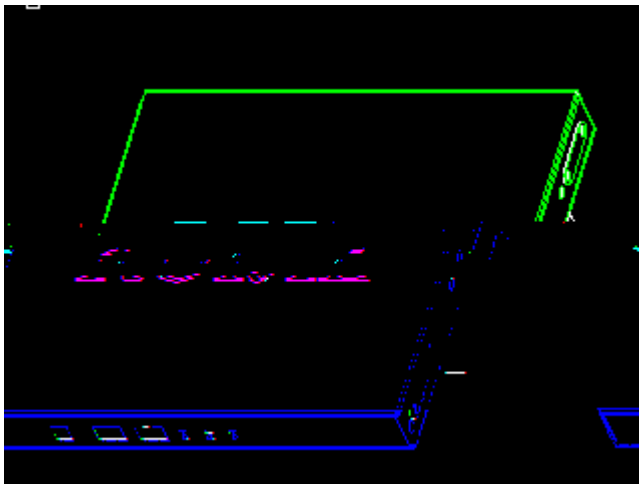
3.4 RG-APD-M G2

1) xX8ª 4 ²¹ 6mm ,¹>õ ÆÐ+Xgi¥²ç1Ñé¦j(8>|TM0.¥²ç1Ñ-
O5þè¾ç1ÑTKÉÐ÷-ê¹>6=ê3W*XÊÄ

2) APD-M ¯... ¯X=ê6 APD-M 2ÉéÈ5¥²n/jÖ



ñ? Ö



6➢ßæX=ä6ÊßÃ

3.5 Glß•

XßÇ5ß5ÈßÑßXAßÇÆßÈ ßÏ DßW

4 G

4.1

ô ÞÔ CH

„ PoE ËeeÐð .ÆÊÇ01V8Æ%Cã 802.11af ËeeÈ»Ð56VFFJ‡hÄ

„ DC ËeeÐV92+eEÈ»ð ËeAï VhÆE

ß SSID ÑÑõ SSID

1) xõ6„ AP

„ 9 Rn &ñ/jj 5/ è7j4NÃ Rn-1 ¼ Rn-2Ð¥FÕ