RG-AP720-A

Nµ F^ xØE

gē V1.7

ź« 2023-05-25

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z Ot

z ì

z iHì https://www.ruijie.com.cn

z iHì https://www.ruijie.com.cn/fw/

z iHì 7*24hźÆUy https://ocs.ruijie.com.cn

z iHì 7*24hÆ 4008-111-000

z iHì 4i:Æ https://www.ruijie.com.cn/special/fw/tool/xryf/

z iHì4 FØ ÿ 4008111000@ruijie.com.cn

z iHì4FØ doc@ruijie.com.cn

4i:Æ APP iHÆ

T,

1.

§LŸ

>ž/pH ?· ¿ ž ' = 2 > ^ /Aô =F >, ' , ¸ Ê# E!š2± ¥ ¬ ¼@ t5¤ +U E L,º = ü •# ¸ \ O %73 PFV F ðDá Z é >

Aœ €

>ž/p+^ m ûN± [rF« ¾,º?ú O > ¸ Ò 3?ü!š2± ¥ ¸ %73 28* ¦ ¤ X g LAô = • … >

E

>ž/p+^ m ûN± ¼@ ,ºH ?· ¥ > ¸ Ò 3?ü!š2± ¥ ¸ %73 28* Õ73 g ~ L]73Lƒ „ >

B* D

+^ Ä Ñ>› { =+i D = /p1• > ¸ Ò 3?ü!š2± ¥ ¸ C P 28* [H D Ò >

Ý ÷ /(~ b e 7 û ë

+^ Ä Ñ Ý ÷ L(~ b e 7 û ë,ºB* D >

ù ¢

ù ˆ I
1 DÞÅ 1
1.1 DÞ 1
1.2 D } Ù € 1
1.3 xŽ‰ 2
1.4 DÐ 3
1.4.1 *MO 3
1.4.2 0È 3
1.4.3 NM• 4
1.4.4 ô 4
1.4.5 ëÅ 5
1.5 6P℃7p¢ 5
2 xõ 7
2.1 ¶ 7
2.1.1 *¶ 7
2.1.2 ^g¶ 7
2.1.3 H¶ 7
2.2 xë 8
2.2.1 Mł 8
2.2.2 *Ł 8
2.2.3 ł 8
2.2.4 † /Ł 8
2.2.5 łÐ 8
2.2.6 tŁ 9
2.2.7 ł. 9
2.2.8 øxå 9
2.3 xWÀ 10
3 x 11
3.1 xvi 11

3.2 xù 11
3.3 hP¾ 12
3.4 xÕ 13

1 cþ

1.1 CÞ

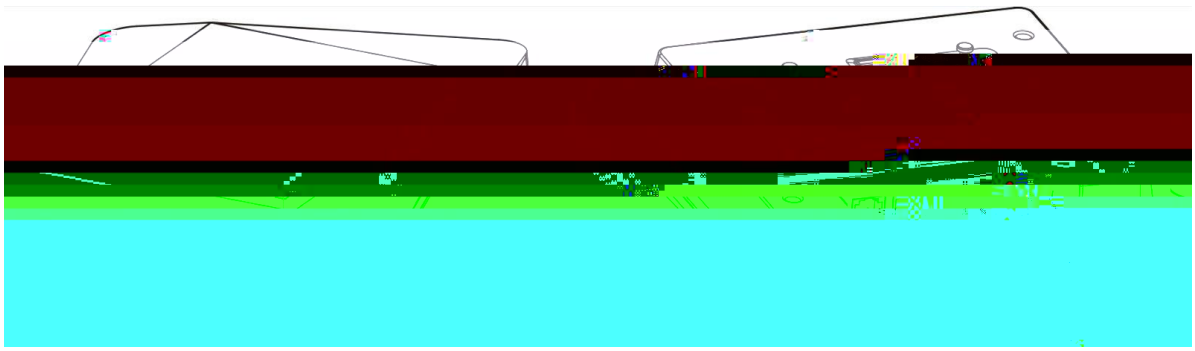
RG-AP720-A©iHÙ¿zo¸ ¯oÑÈ 0 È4 802.11ac Wave2Ñµ
g APhDÞku48ÚÞ 2.4GÛÂ 300MbpsNµ 5GÛÂ 867MbpsNµ
Ñ.ˆ 1.167GbpsNµ

1.2 CÞ

RG-AP720-Am 20È¿Mo• 2ÑMk¿ Lan1u4 PoEô%² console€Mk%Ñ›
DC› €M ož

¢ **1-1** Q

¢ **1-2** Q



= **1-1 ƒ**

©Y	ƒ/L	× yƒ
1	%g	9N%g
2	Ÿ7p	9Mo%”
3	6P°	9 6P©ÏWÅ
4	ConsoleM	9NMÕ–
5	LAN2 M	ÑMk9 ƒGnÿ
6	LAN1/PoE M	ÑMk9ƒGnÿ u4 IEEE802.3af 802.3atÕ PoEˆ
7	DC›M	9N DC› kË APˆ

B* D
Ý ÷K#(, ƒ Ä Ý ÷ ËG >

1.3 G

= **1-2 G**

Y	5	d	$
1	Ñ	1	V
2	5ë	1	
3	gVf	1	
4	Y	4	
5	ST4.2 X 20	4	
6		1	™
7		1	™

1.4 CÞá

1.4.1 ÞÞ

= 1-3 ÞÞÞ

ÞÞ	RG-AP720-A
DÞ! ˜ ã h	194mm×194mm×37mm
M	ÑÞ 0.4kg 5ÿ 0.05kg
ÿ	5Þ½
¾	ÿ
5ÿ! ˜ ã h	120mm×120mm×8mm
5ë å	53mm×53mm
5ÿ	6.5mm

1.4.2 /Þá

= 1-4 /ÞÞ

/Þá	RG-AP720-A
0È	E 0 È Ñ. 4ÿ Radio1y 2.4GHzk 2ÿ 2˜ 2k MU-MIMO Radio2y 5GHzk 2ÿ 2˜ 2k MU-MIMO
È/	Radio1y 802.11b/g/nk 2.400GHz~2.484GHz Radio2y 802.11a/n/ack 5.150GHz½ 5.350GHzk 5.470GHz½ 5.725GHzk 5.725GHz½ 5.850GHz ÿ/ÞÃ
nÿ	Radio1y 2.4GHzk 300Mbps Radio2y 5GHzk 867Mbps Ñ. 2.4GHz+5GHzk 1.167Gbps
Þ	Ã
Þ	2.4GHzy 3dBi 5GHzy 3dBi

/Pá	RG-AP720-A
Ĝ0ä	20dBm hyŽ0aéyčëož
5x	1dBm
0	OFDMy BPSK@6/9Mbpsk QPSK@12/18Mbpsk 16-QAM@24Mbpsk 64-QAM@48/54Mbps DSSSy DBPSK@1Mbpsk DQPSK@2Mbpsk and CCK@5.5/11Mbps MIMO-OFDMy BPSKk QPSKk 16QAM o•64QAM and 256QAM
Nvj	802.11by -91dBm(1Mbps)k -88dBm(5Mbps)k -85dBm(11Mbps) 802.11a/gy -89dBmg 6Mbpshk -80dBmg 24Mbpshk -76dBmg 36Mbpshk -71dBmg 54Mbpsh 802.11ny -83dBm@MCS0k -65dBm@MCS7k -83dBm@MCS8k -65dBm@MCS15 802.11acHT20y -83dBmg MCS0h ,-57dBmg MCS9h 802.11acHT40y -79dBmg MCS0h ,-57dBmg MCS9h 802.11acHT80y -76dBm

/LPá	**RG-AP720-A**
Ñ. ß	12.95W

E

- ^ PoE Ñ+k , ¸M6?·.¤ `5‡ 61% - ? 802.3af Ñ+k73 Ñ >
- b Ý ÷Gý+^ O }AôA× ¸ ^ t5¤ AP , Ê ^ ž *+• ?Cé U,º0°L* õ Ä0°"J,º#wFP >

1.4.5 Ê4ì

= 1-

Ce©4Æ	IC´—	©4Æ5é
)Õol	-	nP AP©Ï¡~ ož
)Õz·	3HZ	nP AP©Ï 3¡~ ubootož
)z·	3Hz	nP AP©Ï B k ÅM downož
)ol	-	nP AP©Ï Bk3ÿ CAPWAPož
)z·	3Hz	nP AP3¨H%¼k4ož
R)ol	-	nP AP3oWk CAPWAPÅbkÅNµ ož
R)z·	3Hz	nP AP3oWk CAPWAPÅbkÅNµ ož

B* D

Hz>ž/p10 »L &÷,º!W ¦ ¸ ¸ 1Hz>ž/p10 L 1!W>

= **1-9 Õ**

P	**q**	**RÈ**
Ö p	**749** 2**a**	**Õ**
	79 3**a**	**Å**

2 G

2.1 Ž

B* D

- p ¼Fµ ƒ / ð ÂAô =FV F Z é ¸B- ^ ¿>û ƒ 4üL;B1 b • Â,º ¿ ž 0Aä >
- A,º ¿ ž 0Aä # ; a v ? %73 0)æ,º §LŸ û ë >

2.1.1 Ð µ Ž

z [illegible] APW [illegible]

z [illegible]

z [illegible] 500œ [illegible]

z [illegible]

z [illegible]

z [illegible]

2.1.2 µ

z [illegible]

z [illegible]

2.1.3 µ

Aœ €

- C?ú99 = C!™.¤,º+k"J ' %73 KC-&¡&´ L+k 11• E L Á { ¸ ¬ / ð ‰ ÂAô =FV F [H =8* ³,º Z é >
- Fµ ƒ-* Û LFPEý%¤$µ(Ÿ ‰L* Û Û@ Q Á = 8+k ¸ \ O %73 \ ›8* ³ §LŸ >

z [illegible]

z [illegible]

z [illegible]

z [illegible]

z [illegible]

z [illegible]

z [illegible]

2.2 GÊ-

Õ- [illegible]

[illegible]

2.2.1 é L-

[illegible] Aò 5ë [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 4[illegible] [illegible]

2.2.2 ù-

[illegible]

2.2.3 [illegible]

[illegible] Õ- [illegible] [illegible] [illegible] 49 0.4[illegible]

2.2.4 t.. /[illegible]

[illegible] Õ- 3[illegible]

[illegible] xÊ [illegible] `... † /† [illegible] 1k +Õ- - [illegible]

z [illegible] ,+ [illegible]

z [illegible]

z [illegible]

z [illegible] k,[illegible]

B* D

Aô = ')å ¹$_ Ü$µ Ü e = ^Aô = p ì ƒ D"× ? Ú µ ,D f µ @ 1.5m Â ^Aô = ì ƒ ï 0.4m :#•H v Í,º ¦ r >

2.2.5 [illegible]

[illegible] [illegible]

[illegible]

= 2-1 C[illegible]L-

C[illegible]	[illegible]	l
[illegible] 0.5um[illegible]	Ÿ /m[illegible]	

= **2-2)| L-**

)|	t mg/m3d	Ø mg/m3d
8Ø	0.2	1.5
Ú	0.006	0.03
8?^	0.04	0.15
P	0.05	0.15
8	0.01	0.3

B* D

© } r e 6 ž »,º © } r > 6] r e ^ 6 ž »,º ·L† r ¸" _ CC»Eý 30 <JÕ >

2.2.6 ß-

- z +©ÜHÁRbž
- z ÕÁÕ¾ÕÕ¾ÕÕ¾Õ

2.3 GV¿

= 2-3 V¿ =

	PC

3 G

RG-AP720-A]LW9Ä wpž

AP# E

B-.¤AÚ+^ m(5 4üL;B11b Â1 ,º » ï 2ø .¤AÚ1b Â1 vF&,º?·"x (5 % Cé >

3

z xpa w ávLož

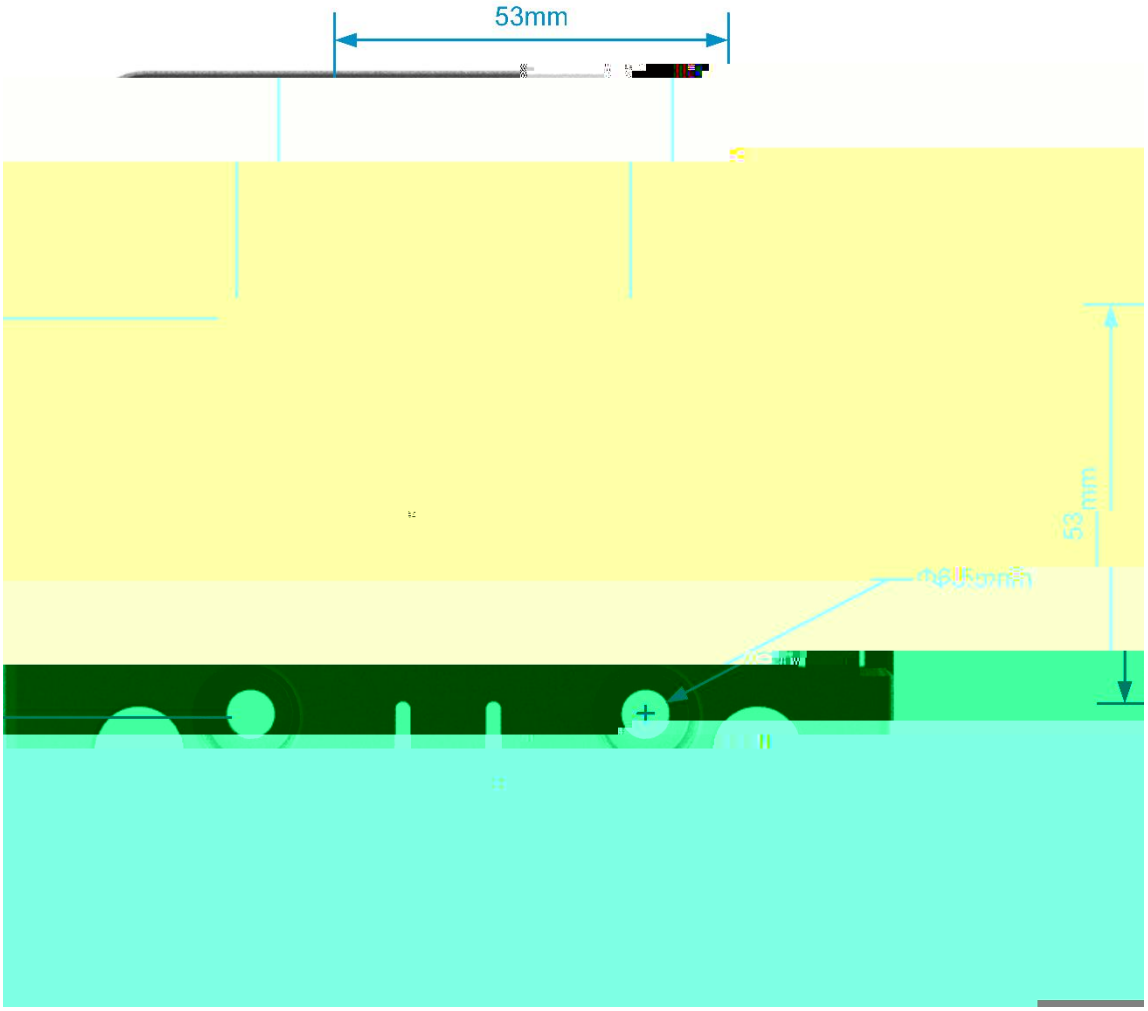
z xpaz

z ï ja ož

z G• ÿaCÿz

z +9u4*ÿkD} k 5eo5pÿ5p á @Ÿk5 pa ož

¢ **3-2** Ì¢



3.3 Ig•

AP3oWyx.xk8Rh7y4

z xk}+Oz

z 1yA*Oz

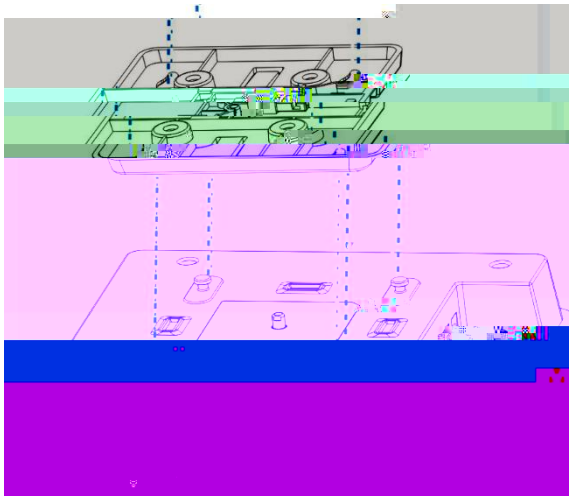
z 91yAz

z 1Oz

z 1xAz

- z
- z
- z
- z
- z
- z

¢ 3-4 0 AP Ò

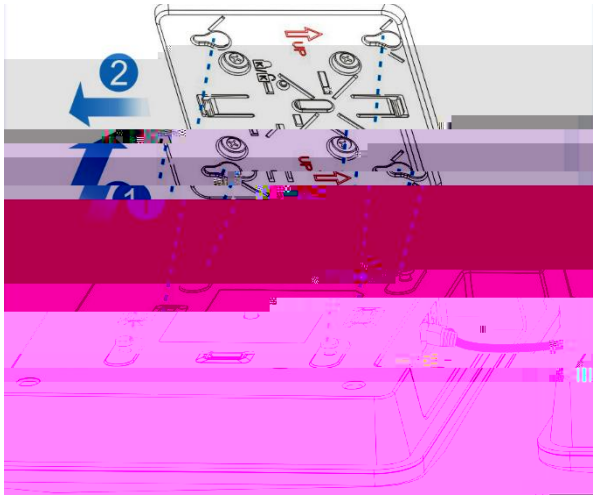


E

^ q p — › 8 ì ƒ ¸B- ~ ¿>û ³5‡4õ >

(3) 5 5 Ñ Ä ž

¢ 3-5 0 AP Ù



E

- bAô =,º 8 ì e 7 ` ï G,º ¿>û > ^ q p>û › 8 ì , ¸+^ m % o ¤5‡4õ 94õ,º Ô ë F? Ð ¬ c 6 ` ï G ¿>û q p >
- ¿>û , ¸ ûN±"õ-v 8 ì @,º ¿>û 2 Š ï G% Þ ™3] >B- 5 µ+^ ê Ñ p>, < q p ™ › 8 ì ™ Š » >
- ¿>û Â D ¸B- 4ü ö q p e \>á —3] ¸ Lh!˜ ` —3] 28* q pD :s >

3.4.2 Ï G

(1) Ì Ð 4+¬ 6.5mmxkx Ý 53mmk5 Ý Éÿµÿkÿ 5 7 ¤ ¤ ž

¢ 3-6 ÑG

(2) 1ò5ûõôž

¢ 3-7 0 AP Ò

E

^ q p — › 8 ì ƒ ¸B- ~ ¿>û ³5‡4õ >

(3) 5 5ãgk1ÑRÞÅž

¢ **3-8 0 AP Ù**

E

- ÷ 8 ¿>û , ¸M6 7 q p M˜ µ @,º Ý ÷ Logo S @ >
- ¿>û , ¸ ûN±"õ-v 8 ì @,º ¿>û 2 Š ï G% Þ ™3] >B- 5 µ+^ ê Ñ p>, < q p ™ › 8 ì ™ Š » >
- ¿>û Â D ¸B- 4ü ö q p e \>á —3] ¸ Lh!˜ ` —3] 28* q pD :s >

3.4.3 ¿ Ô

(1) Ä%¹gk1¹gVf§ëhgVf ruijie kéD3¦k5
5ëzã APšÔgVfk3Gg4eVµfzVµ
gVfenñ¡ÈVfeg§èž

3

¢ 3-10 0 AP ý

¢ **3-12 nĐ**

(2) 1ě5ûõ5_5ěgôž

¢ **3-13 0 AP Ǔ**

E

- ^ q p — › 8 ì ƒ ¸B- ~ ¿>û ³5‡4õ >
- +^ m % o ¤M6?· ¸8 >,.¤ Đ e \M6?· ¿>ûLh- K7 >

3.6 ǐ

Eĝ AP LAN/PoENMk AP

(2)

3.7 [illegible]

3.7.1 [illegible]

z [illegible]

z [illegible]

z [illegible] ± [illegible]

3.7.2 [illegible]

1) [illegible] Ñ LAN/PoE [illegible]

2) [illegible]

3) [illegible]

3.8 [illegible]

3.8.1 [illegible]

z [illegible] Ñ Fož

z [illegible]

3.8.2 [illegible]

z [illegible]

z [illegible]

3.8.3 [illegible]

z [illegible]

z [illegible] APU [illegible]

4 [illegible]

4.1 [illegible]

* PoE[illegible] APož

[illegible]

z * DC[illegible] PoE[illegible] APg[illegible]Nk[illegible]Nk[illegible]wj[illegible]ož

z *E[illegible]Nñ AP AC,ož

z [illegible] PC APM[illegible]hP PCy PoEAE[illegible]ož

4.2 [illegible]

4.2.1 [illegible]

z [illegible]N©k3Gož

z [illegible]9©k[illegible]%[illegible]ož

4.2.2 [illegible]

[illegible]

z [illegible]k [illegible] F[illegible]k[illegible] ož

z [illegible]P©k3oož

5 ðõ

5.1 ð×

5.1.1 Ce

¨ Õ- ÔgÕPÐ

5.1.2 CLI W

Õ- ÚgXgXÐ

z ÊMFÊÚÐ

z ©Ï ÐÎ ož

B* D

- - Ý ³ B- ø?÷ E Gƒ5¤ = • F >
- Aô = e 7F 0A5* Ú >

5.2 âõ

z ¢ APWR… AP%ž+N£ APgiÓž

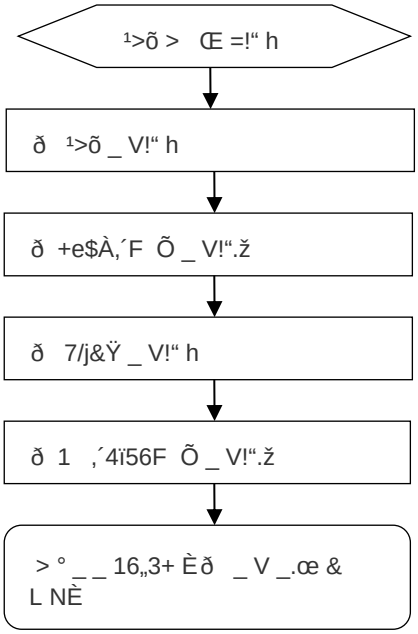
z ¢ APWHÅ AP%” ž k* ACÏ%ãgiÓž

5.3 ð

ð

6 nÑ

6.1 Gm-Ó



6.2 nÑ

6.2.1 /X

6.2.2 C H

z PoEŷ PoENÇ%€k5á 802.11afk*
3oož

z DCŷy©k ©k3oWož

6.2.3 C IC·

6P z k nP N k

6.2.4 C IC·

9 k 4 z 6P
Á R)6P° 14ěk6P ° Q kn

6.2.5 CGK· c FIT AP d

9ÕÂ k 4ÊPÔ)z ÏPÕ

R) b Ï ÕÊ ÕÊ ÕÊ 10Ïek

6P ° QÔ) zÏhÕÊkÉÕÊ

6.2.6 CbÏC·

ÕÊ k 36PPR)bR)Õ APÕ- ACÕÊ3o

CAPWAP*kG‘ ACÕÊÕÊÂGož

6.2.7 Ï

(1) Õk3ož

(2) ÏMeN©k3ož

(3) ò AP©kFÂGož

(4) gÊ. APÂž

7 ¢

7.1 ä

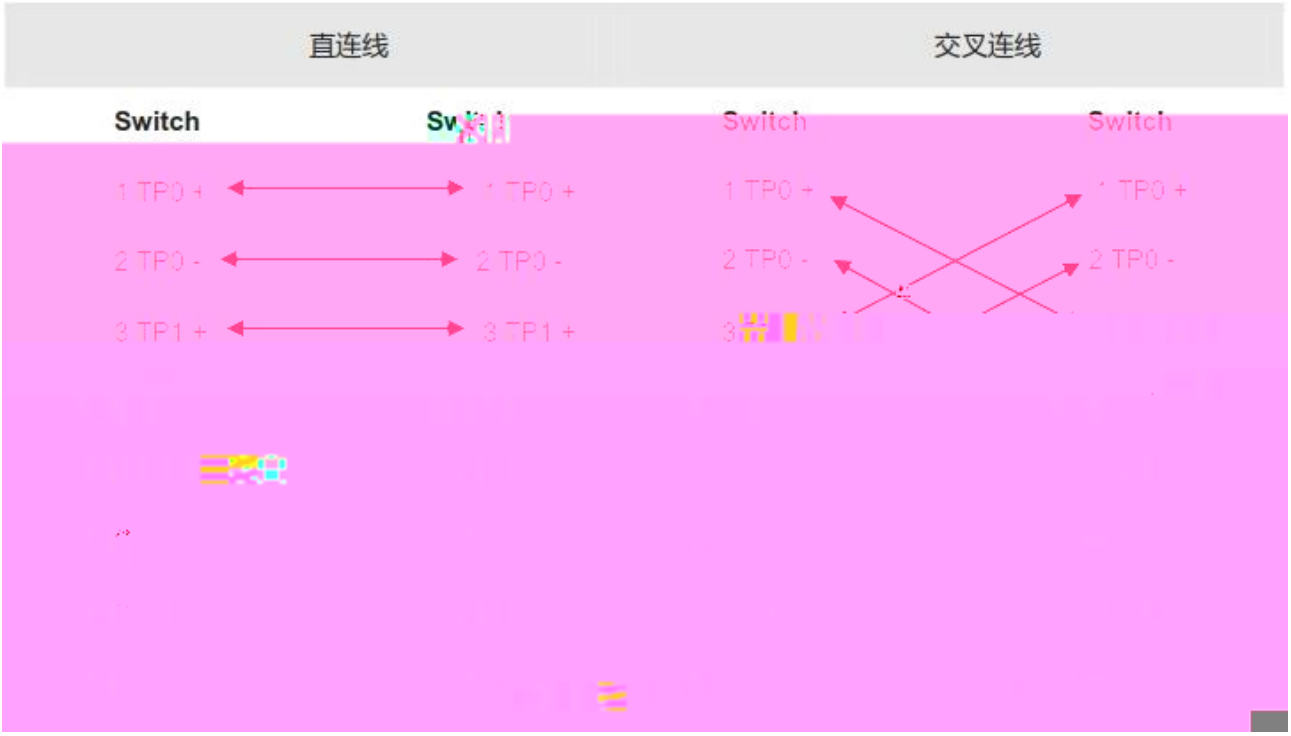
z 1000BASE-T/100BASE-TX/10BASE-T

1000BASE-T/100BASE-TX/10BASE-T© k u4 MDI/MDIX Crossoverož

1000BASE-T IEEE 802.3ab 100-ohm 5 5 UTP STPkwÂu4 100

1000BASE-T 4+ 4 +Nož 1000BASE-T NÐy

¢ 7-1 1000BASE-T



100BASE-TX/10BASE-T 10MbpsUY 100-ohm 3k 4k 5k 100Mbps 100-ohm 5 k 100 100BASE-TX/10BASE-Tž Zuž

¢ 7-2 100BASE-TX/10BASE-T

Pin	7†	7â
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-

Pin	7†	7â
4o•5o•7o•8	Not Used	Not Used

Ÿ 100BASE-TX/10BASE-TUg+EÎ¿ABEÎ¿Ïž

¢ **7-3 100BASE-TX/10BASE-T D1ÏŽ**

7.2 G[illegible]

[illegible]

[illegible]

G[illegible]

z [illegible]

- [illegible] 5[illegible]+9[illegible] V[illegible] 7[illegible]
- [illegible] 7[illegible]+9[illegible] V[illegible] 10[illegible]
- [illegible] SFP+[illegible] 5[illegible]+9[illegible] V[illegible] 10[illegible]

z [illegible]

- [illegible]
- [illegible] £ 7-4[illegible]

¢ **7-4** [illegible]

- [illegible] 30mmož
- [illegible]
- [illegible]
- [illegible] e9[illegible]
- [illegible] £ 7-5[illegible]

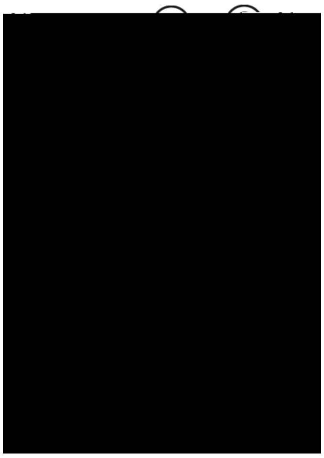
¢ **7-5 Ŝ¢d**

- [illegible]
  [illegible] £ 7-6Ñož

¢ **7-6 Sd**

- +9ẍFk}xFk[illegible]
  yåžyâ6ỉkkĝkk-Ẽ-okCk-ẽoy
  åž
- 220V ø• -48V ẽ^-óž
- +9NtB^kỳNỉxFe%ÿ°Ok[illegible]tB
  ^ñyåŚ [illegible]
  ©ãž
- [illegible] ò £ 7-7Ñož

¢ 7-7 ©Ô



# Gú Ö	’ £ Û	” i Û
	“ =ê!ý	• £ Û

- +9FkÑ€ÇkZÑÔDÿ
- ×ŸÑÛž
- c%ºc%³gÕÖu+ož
- ÐÁgož

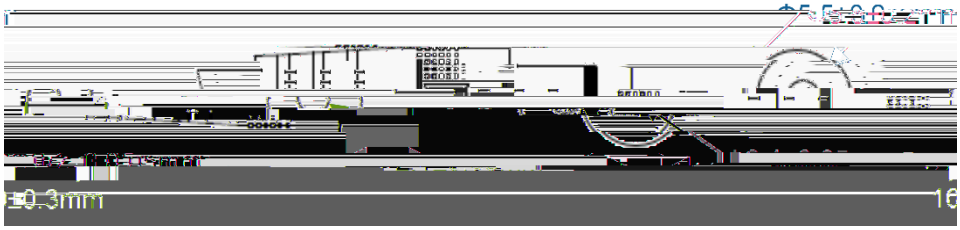
©Ô (mm)	×N´ (mm)
10	80~150
10~30	150~200
30	200~300

- `~ðž
- +99NÒŠgûl¼xFÐŽKBÙ
  ρž

7.3 DC /L Pý

z ÿy DC12Vkì/y 1.5A

= **7-1 DC /Pá**

Ã	Ø	7Í..	Ãì
2.1mm	5.5mm	10mm	ÄÙ

¢ **7-8 DC /L)Pá**