RG-AP720-A

ðµ F^ xØE

gē V1.7

é« 2023-05-25

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4i:Æ APP iHæZ

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1. Þ

ÔQôPæ

§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]73L*ƒ* „ >

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

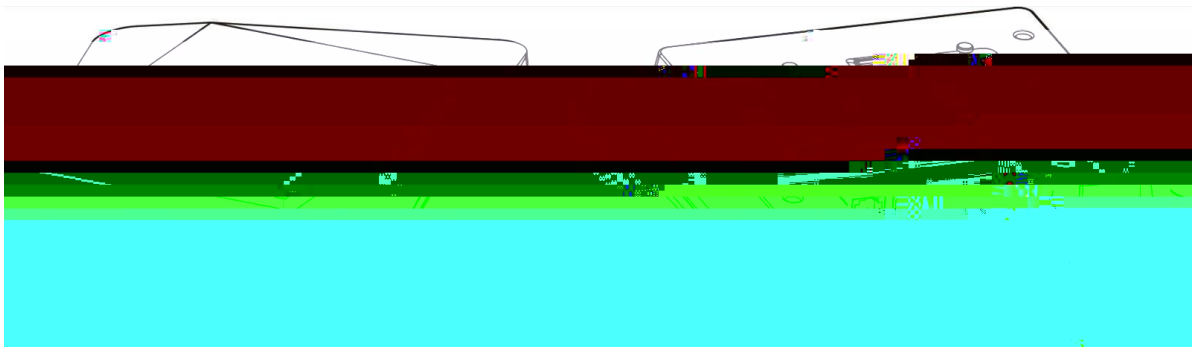
RG-AP720-A©iHÞzÞ¸Þ•¯oÐ 0 È4 802.11ac Wave2Ù¸µ
g APhDÞku48ÚÞ 2.4GUÂ 300MbpsNµÀ 5GUÂ 867MbpsNµÀž
Ñ. 1.167GbpsNµÀÞž

1.2 cÞ

RG-AP720-Am 2ÞÙo• 2ÐMk¿ Lan1u4 PoEô%² consoleÐk%Ù›
DC› Ð ož

¢ **1-1** Þ

¢ **1-2** Þ



= **1-1** **Ø L** **ý**

©Y	¤/L	× y ƒ
1	%g	9N%g
2	ÿ7p	9Mo ”%
3	6P°	9 6P© Ẅ
4	ConsoleM	9N µ
5	LAN2 M	Mk9 Gnÿ
6	LAN1/PoE M	Mk9 Gnÿ u4 IEEE802.3af 802.3at PoE^
7	DCM	9N DC› kË AP^

B* D
Ý ÷K#(, ƒ Ä Ý ÷ ËG >

1.3 G

= **1-2** **G**

ý	**5**	**d**	****
1	**Ñ**	1	**V**
2	**5ë**	1	
3	**gVf**	1	
4	**¥**	4	
5	**** ST4.2 X 20	4	
6	****	1	™
7	****	1	™

1.4 CÞá

1.4.1 Þ

= 1-3 ÞÞý

Þ	RG-AP720-A
Dÿ! ~ ã h	194mm×194mm×37mm
Ø	ÿ 0.4kg 5ÿ 0.05kg
¥	5½
¿	ÿ¿
5ÿ! ~ ã h	120mm×120mm×8mm
5ë å	53mm×53mm
5þ	6.5mm

1.4.2 /Þá

= 1-4 /Þý

/Þá	RG-AP720-A
0È–	E 0 È ñ. 4ú Radio1y 2.4GHzk 2ý 2˜ 2k MU-MIMO Radio2y 5GHzk 2ý 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
nÿ	Radio1y 2.4GHzk 300Mbps Radio2y 5GHzk 867Mbps ñ. 2.4GHz+5GHzk 1.167Gbps
þ	ê
Þ	2.4GHzy 3dBi 5GHzy 3dBi

/Pá	**RG-AP720-A**
Ê0ä	20dBm hÞŽ0ãéÿcãož
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
Nvƒ	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©ì~ ož
)õz·	3HZ	nP AP©Ï 3ì~ ubootož
)z·	3Hz	nP AP©Ï Þ k ß downož
)ol	-	nP AP©Ï Þk3ÿ CAPWAPož
)z·	3Hz	nP AP3H%ß¼k4ðž
R)ol	-	nP AP3oWk CAPWAPßokMNµ ož
R)z·	3Hz	nP AP3oWk CAPWAPßokMÑµ ož

B* D

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

= **1-9 õ**

Þ	**0**	**RÈ**
ÿ p	**749** 2a	**õ**
	xý 3a	**ßå**

2 GêÕ

2.1 ¾Ï

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 Ðµ Ž

z ¤ÉbÄ)bÆÇMtgÝG0Vo•JÎC9lo•
ÊÝ APÕ¥kÇÊž

z WÈJo•Jo¥ÇÈÕžWi¥Ç*Ê'—
ÇkÊÕo•Jbèo•A*Ê«*ÕÄÇ—
Lêž

z x¥DKÊÕÇÝ 500œkcÊÕ—
3+î~ÇÕž

z 91ÝgÊÕž

z xyKÉ?ÊÕÇUtÊÕž

z 1WÝ^yKtgÊÕž

2.1.2 Ðµ

z 9ÊÕž

z gÊÕÄÝž

2.1.3 ÎÕµ

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 gHÊÕÝ8oÄWKtÊÕž

z ÊÕWÊk:kAÊÕkBxõž

z ÄÊKWÝÊÕÇÊÕž

z ÊÕTÊÕ•ž

z ÝÊBxÊ-Ê@ÊÕž

z APWÊÕÊxÝÊNxÊw@U,åž

z ÊÕ0VkÊÕ0VkÊÕÊÕCÊÕž

2.2 GÊ-

2.2.1 é L-

2.2.2 ù-

2.2.3 @

2.2.4 t.. /.-

- z
- z
- z
- z

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 Ú

= **2-1 C7L-**

C7		S	I
	0.5um**h**	Ÿ /m**t**	

= **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‰W9Ïwpž

AÞ E

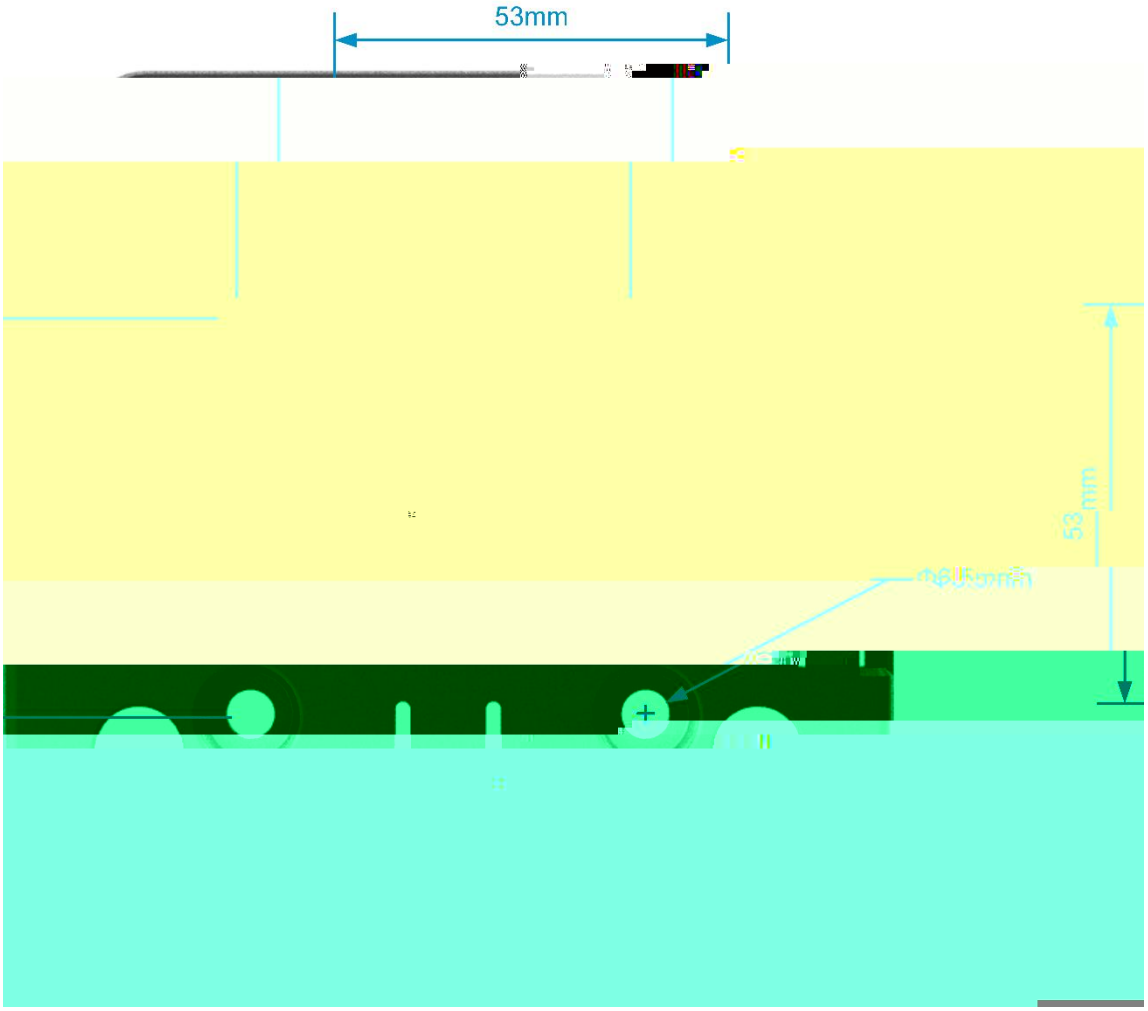
B-.¤AÚ+^ m(5 4üL;B11b Â1 ,º » ï 2ϑ .¤AÚ1b Â1 vF&,º?·"x (5 % Cé >

3

- xÎÊâ w á v Ł o ž
- x Î Ê ž o ž
- ê Ï Ł â o ž
- G • ÿ Ê Ê ž
- +9u4* Ê Ł Ð } k 5 ë o 5 ÿ ê ÿ 5 ÿ á @ Ł k 5

  ÿ Ê â ê ž

¢ 3-2 Ł ¢



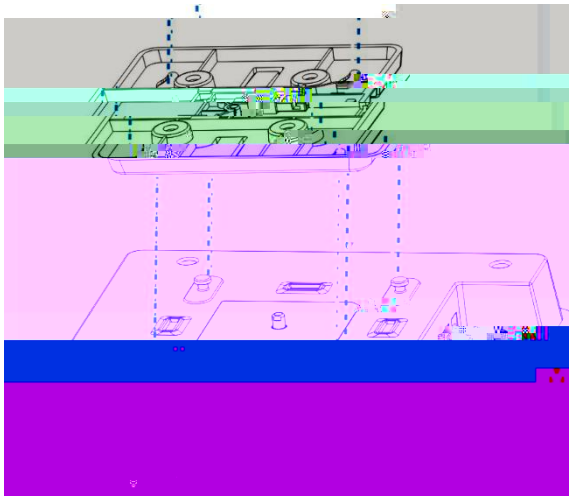
3.3 l6•

š– AP3oWyx.xk8RM7%4

- ÕÊ}Õž
- 1ÕÊ*Õž
- 91ÕÊÕž
- 1ÕÊž
- 1ÕÊž

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

¢ 3-4 0 APÐ

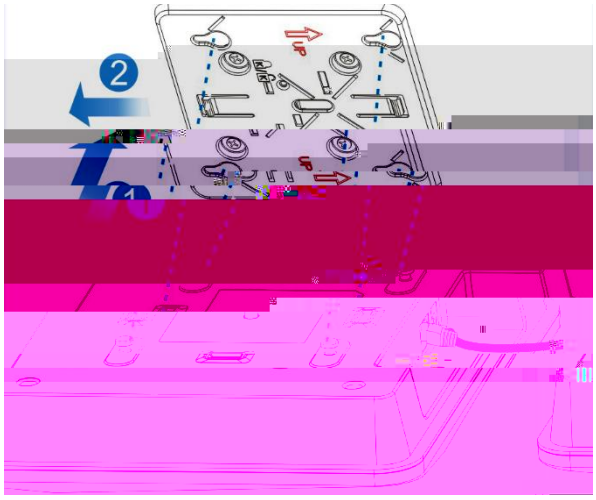


E

^ q p — › 8 ì ƒ ¸B- ~ ¿>û ³5‡4õ >

(3) 55Ëg1Ñ

¢ 3-5 0 APÜ



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 ËG

(1) Þ 4+¬ 6.5mmxkx 53mmk5 ÉxÌ
kY5ŒrwρŽ

¢ **3-6 Ğ**

(2) 1ø5ŵ6ôž

¢ **3-7 0 APĎ**

E

^ q p — › 8 ì ƒ ¸B- ~ ¿>û ³5‡4õ >

(3) 55ggk1ÕRPåž

¢ **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 ý Ô

(1) å%‰gk1ŧgVfßëhŧgVf ruijie þëD3hk5
5ëŗzã APš0ŧgVfkß3Gg4eVµfzVµ
gVfenñ¦ÈVfeßèž

8

¢ 3-10 0 AP ý

¢ **3-12 nš**

(2) 1ŠFûõ55Eqê

¢ **3-13 0 AP Ù**

E

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

3.6 Ž

Eî AP LAN/PoENMk AP

(2)

3.7 ğ

3.7.1 l6•

- z 9ƒ69ž
- z ¢ÎÅv6ÐÐ&ž
- z ¢ÎÅö ± k9Ÿ&ynÅž

3.7.2 &±

1) 1EÎ3ÐÐw7Ž± Ñ LAN/PoE&Mož
2) 1EÎ2x5&ož
3) EÎÐÑkw@O4ú2ž

3.8 GÓ

3.8.1 ó

- z GÈ™©k Ñ Fož
- z GÑkGÿyeœž

3.8.2 ğó

- z G£ÎM,Fož
- z GÐGož

3.8.3 ó

- z GÑwÐ.ož
- z ñG• APU3oWœž

4 p

4.1 @

* PoE+ APož

z * DC PoE+ APgNkGNwLož

z *EL Nñ AP AC,ož

z ¢ PC APMhÞ PCy PoEAEñž

4.2 O

4.2.1

z N©k3Gož

z 9©kP%ož

4.2.2

y

z k O Fkkž

z P©k3oož

5 ő

5.1 ő×

5.1.1 Ce

¨ Õ ŵgĝ§PĞ

5.1.2 CLI W

Õ ŧgXgXĞ

z ŧMFĵŧŭž

z ©Ï ŴÎ ož

B* D

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

5.2 âõ

z ¢ APWŦR… AP%ĸ+N£ APgiŐž

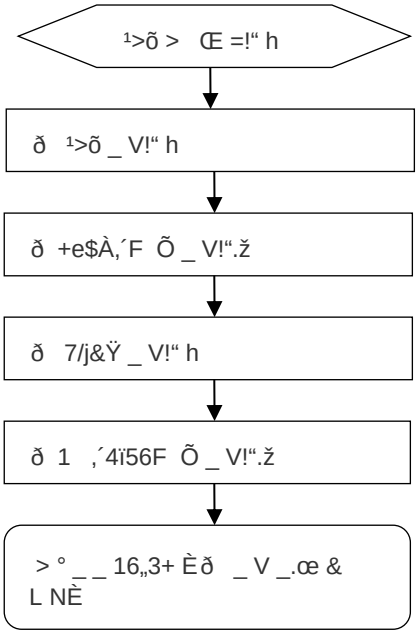
z ¢ APWŦHÅ AP%” ž k* ACŸ‰ĝiŐž

5.3 ƥ

ţ ŭ

6 nK

6.1 Gm-



6.2 n

6.2.1 /X

6.2.2 C H

- z PoEÿ PoEN %€k5á 802.11af k* 3oož
- z DCÿy©kÄ Õ ©k3oW ž

6.2.3 C IC·

6P z k nP N k

6.2.4 C IC·

9 k 4 z 6P

Á R)6P° 14 k6P ° Q knŒ

6.2.5 CeGkC· c FIT AP d

9ÕÞ k 4êPÔ)z ÑPþ

R) b Ù þÑž ÞÑ 10ÕÞk

6P ° QÔ) zkhÕÞkéÞÕž

6.2.6 CedÏC·

ò k 36PPRÞR)tÑ APÕ ACÞ3o

CAPWAP*kG‘ ACÞÑCÅaGož

6.2.7 Ñ

(1) Õk3oož

(2) ÑeN©k3oož

(3) ò AP©kFåGož

(4) gkÆ. APåž

7 ¢

7.1 ä

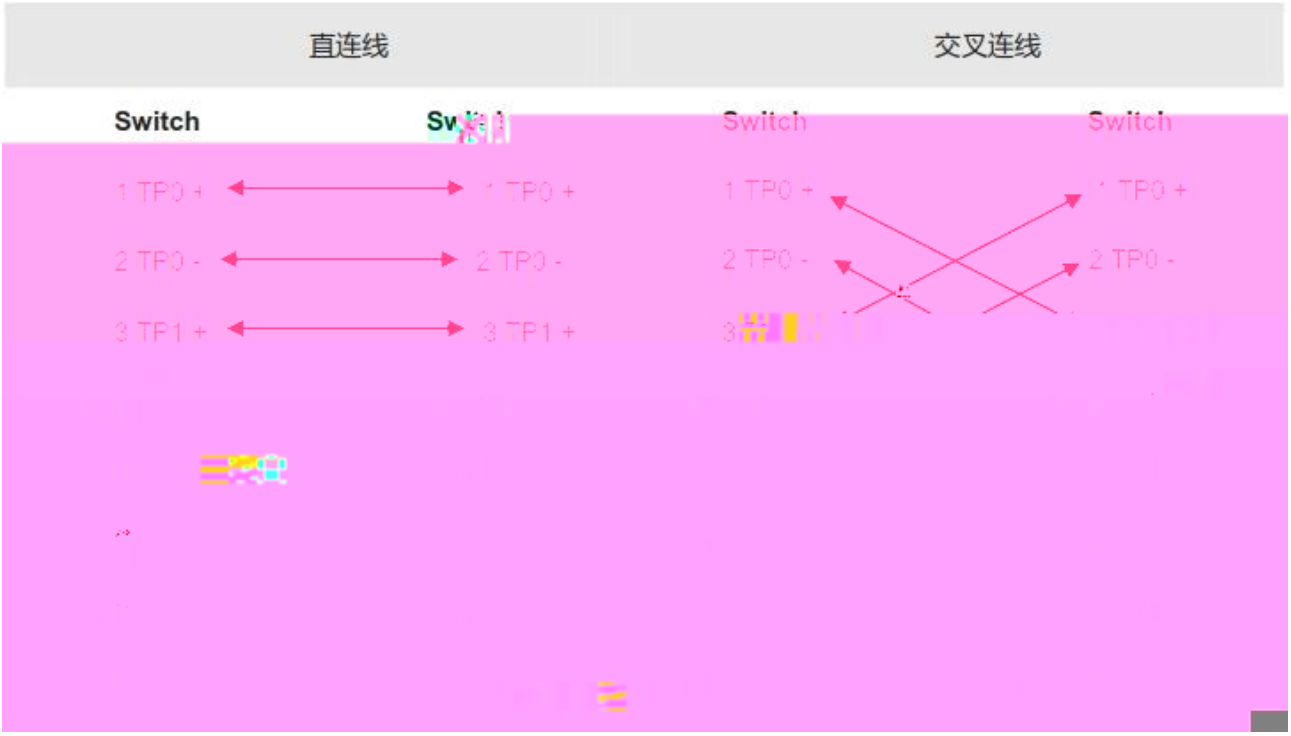
z 1000BASE-T/100BASE-TX/10BASE-T

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

¥ 100BASE-TX/10BASE-TUg+EÎ¿ABEÎûÙ•bž

¢ 7-3 100BASE-TX/10BASE-T D1ÞŽZ

7.2 G

ÿgÕ-
GÃ

z Â¼

- 5 7
- 7 10
- SFP+ 5 10

z ¾

- G
- £ 7-4

¢ **7-4**

- UJHABb 9 30mm
- e9
- £ 7-5

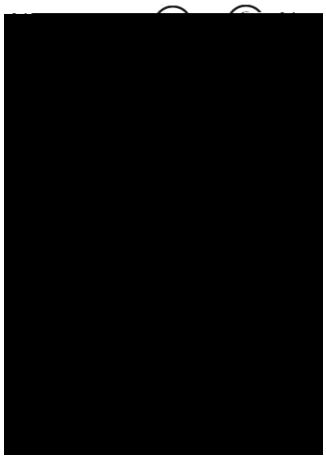
¢ 7-5 Ŝ¢d

- ¥ŒŸQžŒØ
  ýŒØyoð £ 7-6Ƥož

¢ 7-6 S¢d

- +9ŸxFkĵ«FŒŒBã1¿kŒ
  yåžŸâ6ʔkkĝkk-ÕokCk-ĝoy
  åž
- 220V ĝ• -48V Ĝ^-óž
- +9NtB^kŷNʔxFeŴ•ÐkŒtB
  ^ñyåŠJ ŒNŒ7ɑïôŒ9ŒØ
  ©ŒŽ
- ¥ŒŽŸÑwJHŒbž ò £ 7-7Ƥož

¢ **7-7**



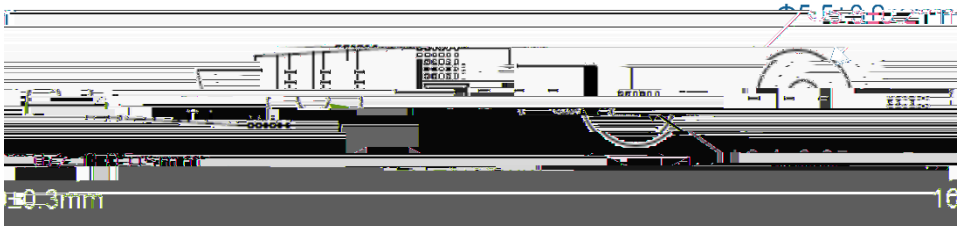
# Gú Ö	’	£ Û	”	¡ Û
	“	=ê!ý	•	£ Û

- +9ÊkÊÊÊ

7.3 DC /L P

z y DC12Vkv 1.5A

= **7-1 DC /**

		7[..	
2.1mm	5.5mm	10mm	

¢ **7-8 DC /L P**