M7000L-AP842I-RU xð)

±

F^ xðE

gē V1.0

é« 2024-05-08

copyright © 2024 iHà

ø W

https://www.ruijie.com.cn

https://www.ruijie.com.cn/fw/

https://ocs.ruijie.com.cn

4008-111-000

4i:ÿÆ https://www.ruijie.com.cn/special/fw/tool/xryf/

Ø ÿ 4008111000@ruijie.com.cn

doc@ruijie.com.cn

iHĵÆZ

4i:Æ APP

2. ý

Õ ož

ù ¢

ù ˆ I
1 DÞÅ 1
1.1 DÞ 1
1.2 DÈÙ 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 5
1.4.5 ê ËÅ 5
1.4.6 š• 5
1.5 6P¢7p¢ 5
1.6 %¢. 6
2 xÕ 8
2.1 ¶ 8
2.1.1 *¶ 8
2.1.2 ^g¶ 8
2.1.3 H¶ 8
2.1.4 ¥ 9
2.2 xË 9
2.2.1 MÞ 9
2.2.2 *Þ 9
2.2.3 Þ 9
2.2.4 † /Þ 9
2.2.5 lÐ 9
2.2.6 tÞ 10
2.2.7 Þ. 10
2.2.8 øxå 10

2.3 xWÀ 11
3 x 12
3.1 xvi 12
3.2 xÕ 12
3.3 hP¾ 13
3.4 xÑ 14
3.4.1 *½ 14
3.4.2 Ðx 16
3.4.3 3Õ 17
3.5 xU%² 18
3.5.1 x%5g 18
3.5.2 %²xc 19
3.6 NØ 20
3.7 Ø 20
3.7.1 hP¾ 20
3.7.2 Þâ 20
3.8 xeò 20
3.8.1 ñl 20
3.8.2 Øò 20
3.8.3 ò 21
4 ? 22
4.1 F 22
4.2 o 22
4.2.1 ù 22
4.2.2 eò 22
5 ÐÓ 23
5.1 Ð 23
5.1.1 6P° 23
5.1.2 CLIxX 23
5.2 iÓ 23
5.3 F^Ó 23

6 oÊ 24
6.1 xÉ̀vi 24
6.2 oÊ 24
6.2.1 N 24
6.2.2 6P 24
6.2.3 6P 24
6.2.4 6P 24
6.2.5 6P FIT% 24
6.2.6 6P 24
6.2.7 24
7 25
7.1 N 25
7.2 27
7.3 xb 28
7.4 DC 31

1 cÞ

1.1 cÞ

M7000L-AP842I-RU‰² © iHÞ%ñ‰ÞR ÞxÞ‰²K¥‰ú4
802.11axõÐ kJE0È 2.4GUÂ 575MbpsNµÀ 5GUÂ 2.4GbpsNµÀ W
• 2.4G+5G%ÀÑ^ 2.975GbpsNµÀž4° /gMkžÐÂcRÀæž

1.2 cØ

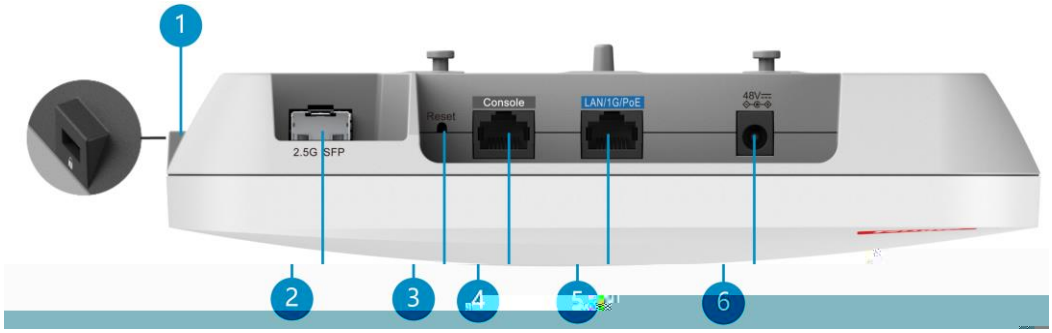
M7000L-AP842I-RU‰² m 2ÐÈÑo• 1 10/100/1000Base-T ÑMk 1 2.5G SFP
NMk 1 Consoleð NMy 1Ù› DCÑM ožM7000L-AP842I-RU‰² u4* PoEI
ê DCı k DÞ Þ ož

¢ **1-1** „

= **1-1** „ ý

Ø	Ø /L	× ý
1	**6P°**	

¢ **1-2 Š**



= **1-2 Š**

1		
2	2.5G SFP	
3		
4	Console	
5		IEEE 802.3af PoE
6	DC	DC

1.4 CÞá

1.4.1 Þ

= 1-4 ÞÞá

Þ	M7000L-AP842I-RU
Dþ! ˜	220mm˜ 220mm˜ 49mm
D} MO	ñ 0.6kg 5 0.2kg
5 ˜	120mm˜ 120mm˜ 8mm
5	53mm
5	6.5mm

1.4.2 /Þá

= 1-5 /Þá

/Þá	M7000L-AP842I-RU

= **1-10 ŠC4ÿE**

C¤	IC¿—	4ŒE
o¯	—	**nP ‰ ¥6P¢ž**
¡õol	—	**nP ‰ 3g¥ž**
¥ol	—	**nP¨ogk ‰ ™ Link Downož**
¥Ò	**l** 3**a** ¯ 1**a**	**nP** FIT**%** **‰ Ñ ¤** CAPWAP**¥™ž**
R)¥½	**l** 0.2**a** ¯ 0.2**a**	**nP** FIT**%** **‰ 3Ô™ž**
R)ol	—	**nP¨og k ‰ 3o¥ ™ž**
R)z	**l** 1**a** ¯ 1**a**	**nP¨og k ‰ 3o¥ ™ž**
¥½	**l** 0.2**a** ¯ 0.2**a**	**nP** FIT**%** **k ‰ o6P°** **¤Ô** **¿—** **%** **ož**

= **1-11 õÐ**

Þ	¤	R¦È
Ð	**?49** 2**a**	**Ñ¤o**
	x¥ 3**a**	**¤å—**

1.6 Ð„ ý

‰ 2.5G™++€ Õ— k¿ NM ¤4 ™¥™ k x € Ê™NM,â.
c%² k ¤c kè@80b˜

= **1-13 Ô Ô g– bpsd** 20]T645D4094F56 098g0.149 G[20]T645D4094F054C07564 g9]T8g0.

Lû	û	ÔVé

ø¥	0.5um¥ǂ	1umh	Ÿ /mt	‡ 7˜ 10^5
ø¥	1um¥ǂ	3umh	Ÿ /mt	‡ 2.4˜ 10^5

ø¥ 3um

2.3 GV¿

= 2-3 V¿ =

oÀW

3 G

M7000L-AP842I-RU8 ¾²]LW9Ïwpž

⚠

3.1 G8W

õ y

3.2 G Ô

õ ¿ ÿáÁCÇÇÇ+

xvÆÆÆ

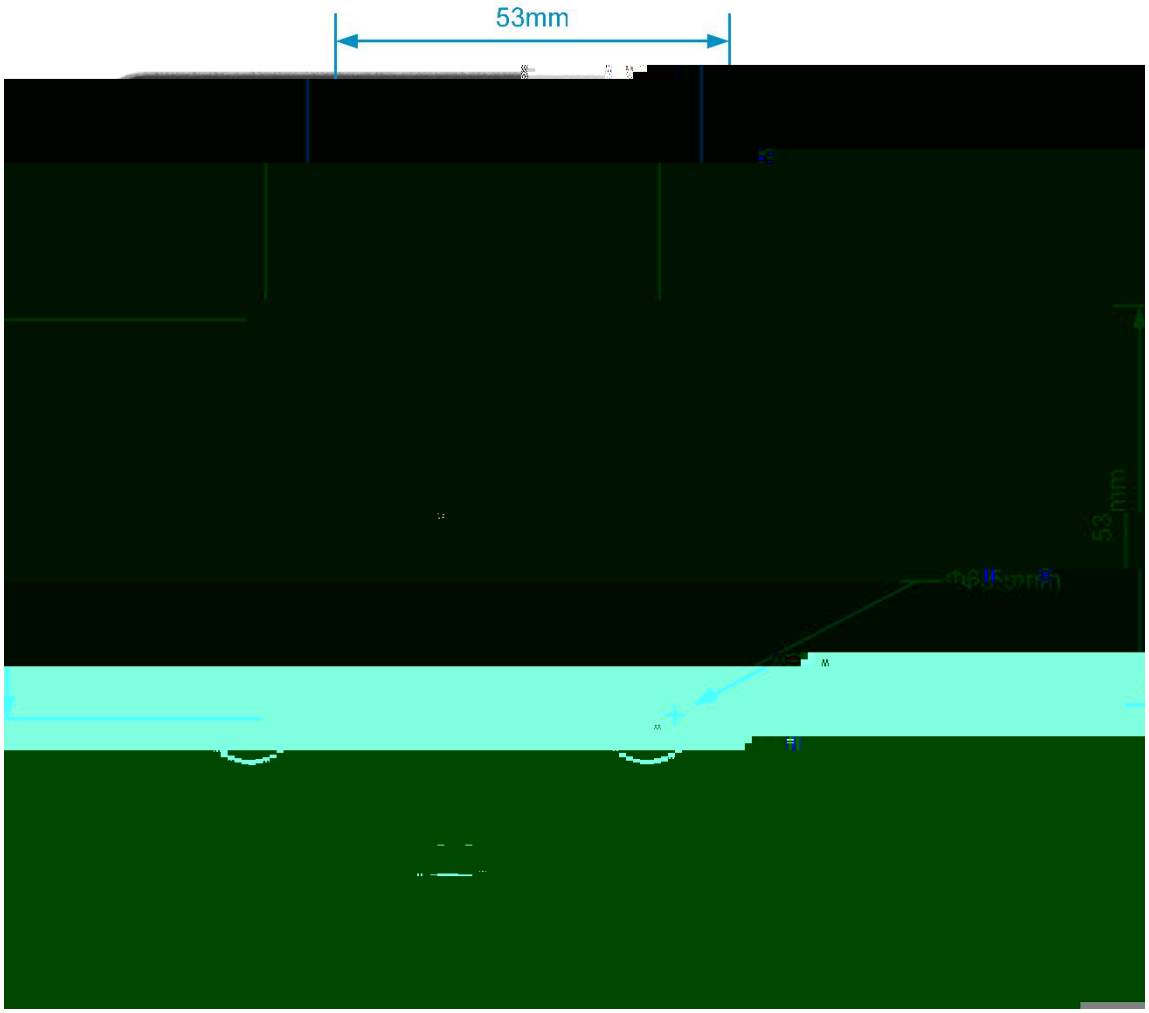
z

z

z +9u4*

¢ @ £ 3-1ož

¢ 3-1



3.3

z

z

z

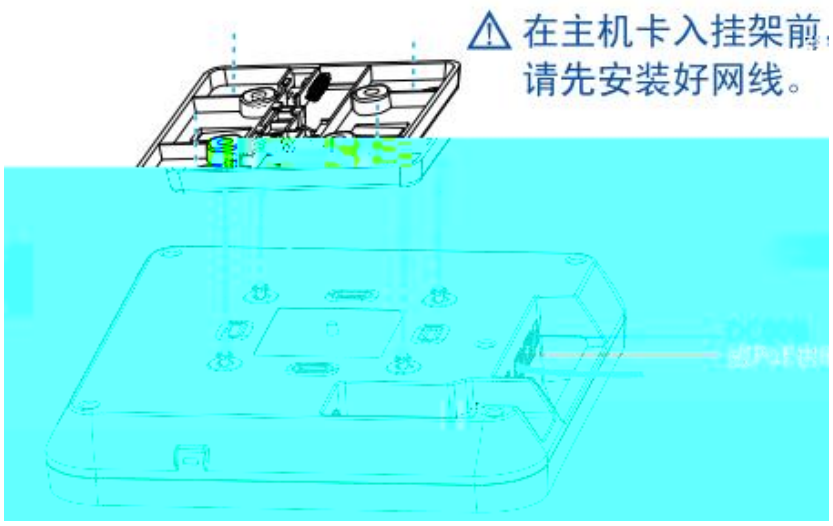
z

z

z

z

¢ 3-3 0 Ð *



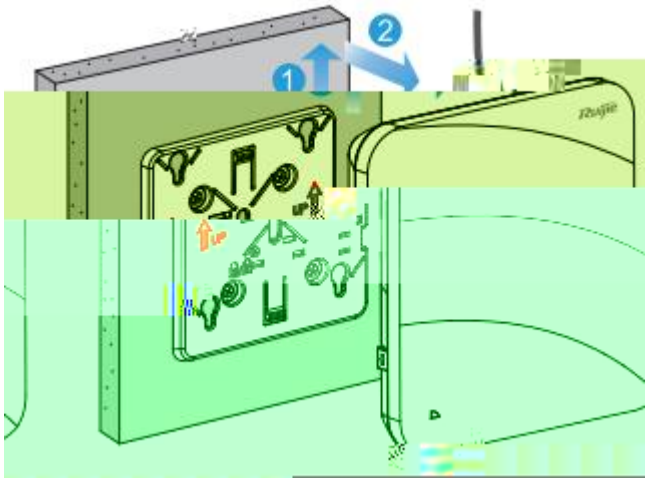
⚠ ₹Ð

(3) 55Eg1Ñ

¢ **3-7**

(2) +9ÐXk ¬ (Ñ1 1ÐMgP3ž

¢ **3-9 0 Ñð ý**

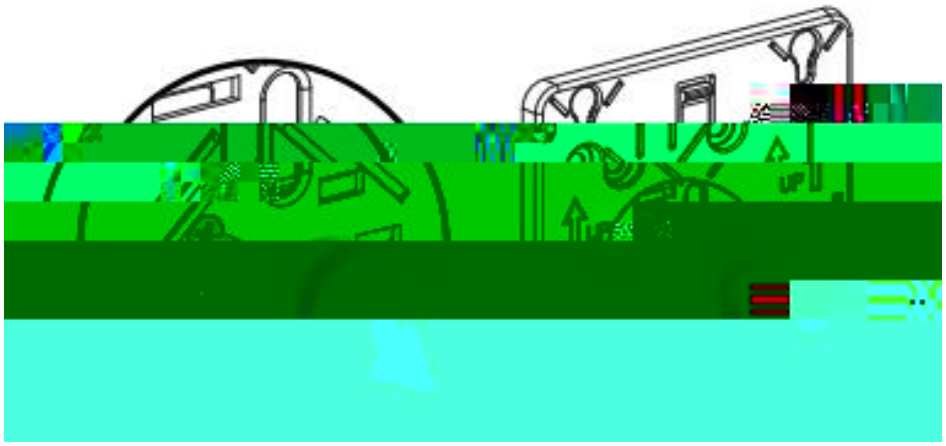


3.5 GT7±

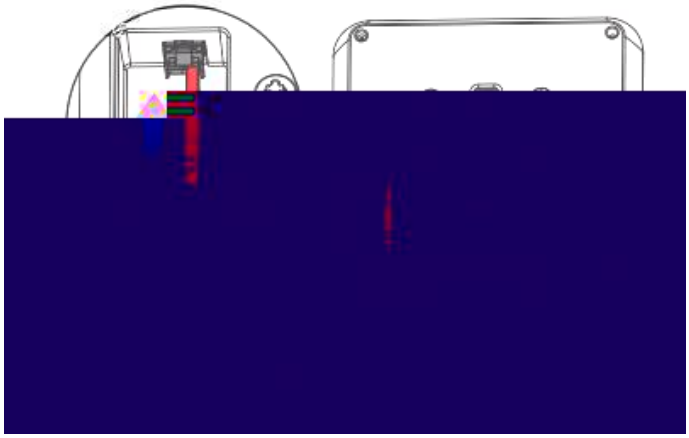
3.5.1 GTõ

(1) 5ke%gož

¢ **3-10 nõ**



(2) 1õ5ÕõÕ55Eeõž



3.6 ÆŽ

ÐÎÑ LAN/PoENMk ² u4EÎÑ¿U@•

- z GBGož

3.8.3 p

- **z** GNwLož
- z G• UWoož

4 p

4.1 ê

* DCˆ ã PoE¾ ¿— ‰² ož

z * DCˆ ã PoE¾ ‰² gŇkGNkwož

z *EL Nñ ‰² Ñ ,ož

z ¢ PC ‰² MhÞ PCy PoEAEÑž

4.2 ô

5 ñõ

5.1 ñ×

5.1.1 Ce

ø- gÿ¥¢6Pøž

5.1.2 CLI W

Ø4tgXgXÿøÿ

z ¥MFÿ¥ÿž

z ©Ï ØÎ ož

À

À

5.2 âõ

z ¢ ‰² W• FAT%ŧ+N£ ‰² giÕž

z ¢ ‰² W• FIT%ŧ* Ñ ¥%ĝiÕž

5.3 þ

¢¥B4ÿÕ ož

7

7.1

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

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

k MDI/MDIX

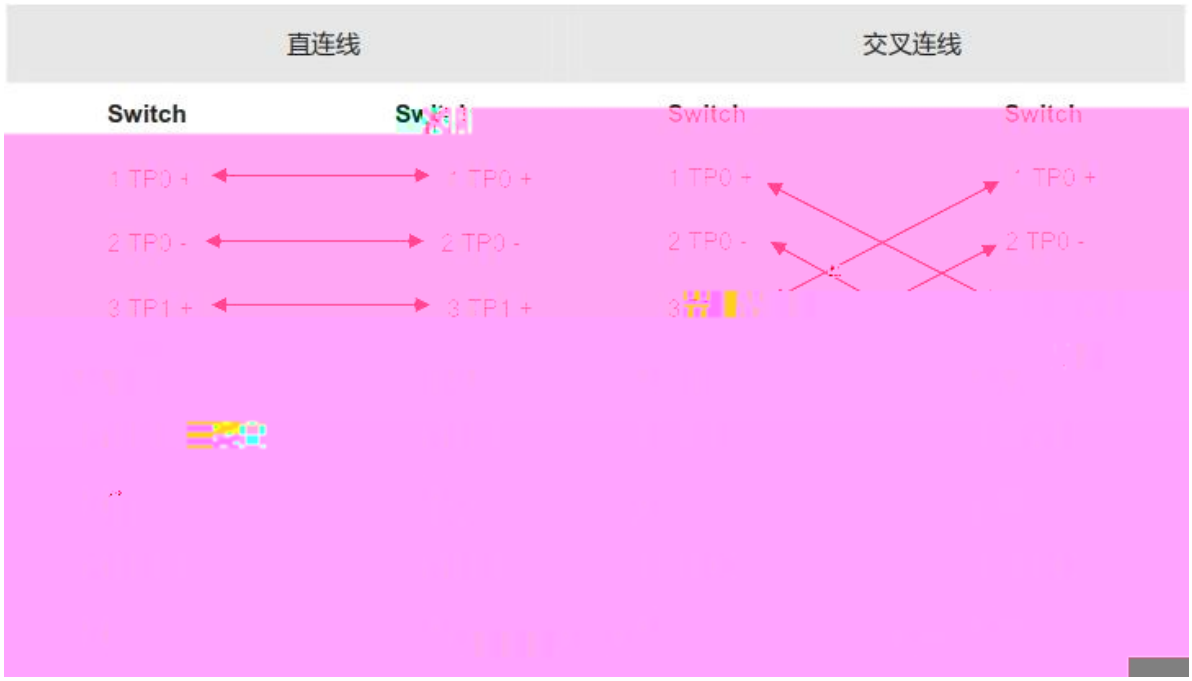
Crossover

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

STP 100

1000BASE-T 4 4 1000BASE-T

7-1 1000BASE-T



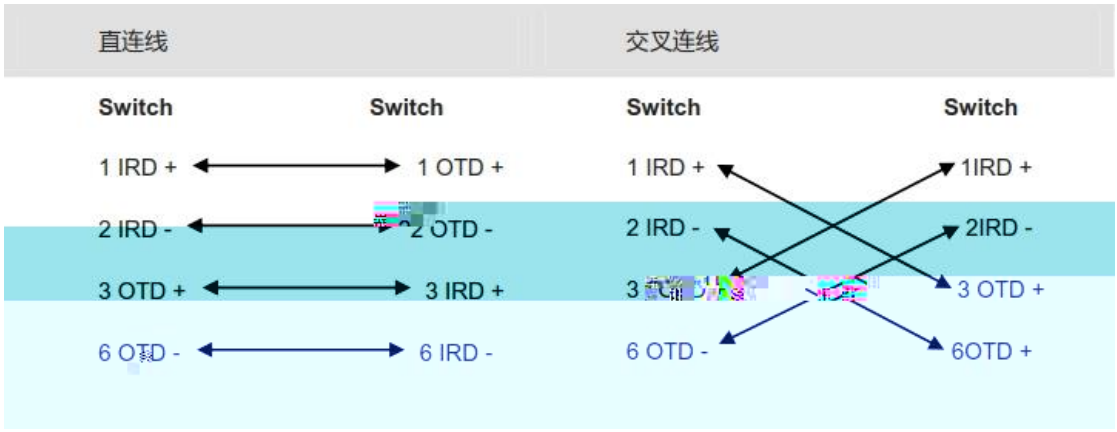
100BASE-TX/10BASE-T 10Mbps 100-ohm 3k 4k 5

100Mbps 100-ohm 5 100 100BASE-TX/10BASE-T

7-

✆ 100BASE-TX/10BASE-TUg+EÎ¿ABEÎ¼Ù¼ž

¢ 7-3 100BASE-TX/10BASE-T DÆ¡



7.2 ÊBê

GêSU4ÊKšŽ
ê4Bê Ê

= **7-1** **SFP ê**

GG (nm)	Ê	DDM	FÊ (dBm)		/Ê (dBm)	
			min	max	min	max
1310Tx/1550Rx	**%**	**u4**	-9	-3	-	-18

= **7-2** SFP Ê

L	Ê	á (um)	ê
LC	%	9/125	0.3km

⚠

À 40 40

À

À

7.3 Gé Ž

z

z

7.4 DC Ô /L Pÿ

z ÿy 48Vkìvy 0.6A

= **7-3 DC Ô /ÞÁ**

Á	Ø	7I..	Ñì
2.1mm	5.5mm	10mm	ÄÙ