RG-AP680-IO xŽC¯

F^ xØE

gē V1.3

é« 2023-11-21

copyright © 2023 iHà

copyright © 2023

ø W

ě

ê

- z ètWid
- z Ot
- z è

ê

- z iHè https://www.ruijie.com.cn
- z iHè https://www.ruijie.com.cn/fw/
- z iHè 7*24hIz

z

2. ý

ož

ù ¢

ù ˆ I
1 DÞÅ 1
1.1 DÞ 1
1.2 D } Ù € 1
1.3 xŽ‰ 3
1.4 DÐ 4
1.4.1 ›MO 4
1.4.2 0È 4
1.4.3 NM• 5
1.4.4 ô 6
1.4.5 ËÅ 6
1.5 6P° C7p¢ 7
1.6 ° ‰ 8
2 xÕ 9
2.1 ¶ .....

2 . . . . . .

2.3 xWÀ 12
3 x 13
3.1 xvi 13
3.2 xù 13
3.3 hP¾ 14
3.4 xÕ 14
3.4.1 þk 14
3.4.2 þ 15
3.4.3 5ÇÑ 15
3.4.4 3Õ 17
3.5 x° % 17
3.6

5.2 iÓ 23
5.3 FÓ 23
6 oÊ 24
6.1 xÊòvi 24
6.2 oÊ 24
6.2.1 NÊkÊ… 24
6.2.2 6P° xÊ 24
6.2.3 6P° xÊol 24
6.2.4 6P° xÊol 24
6.2.5 6P° xÊ)Ê FIT APÊ 25

1 cp”

1.1 cpÞ

RG-AP680-IO©iHÈäoÞ¥oo®Ø Pß 802.11axE0È Íw¿—
NDÞž

RG-AP680-IOu4 802.11axo•802.11ac Wave2o•802.11ac Wave1y 802.11nšzFÞ E0È —
k¾UˆÞ 5.95Gbps ¿— Nä®ž

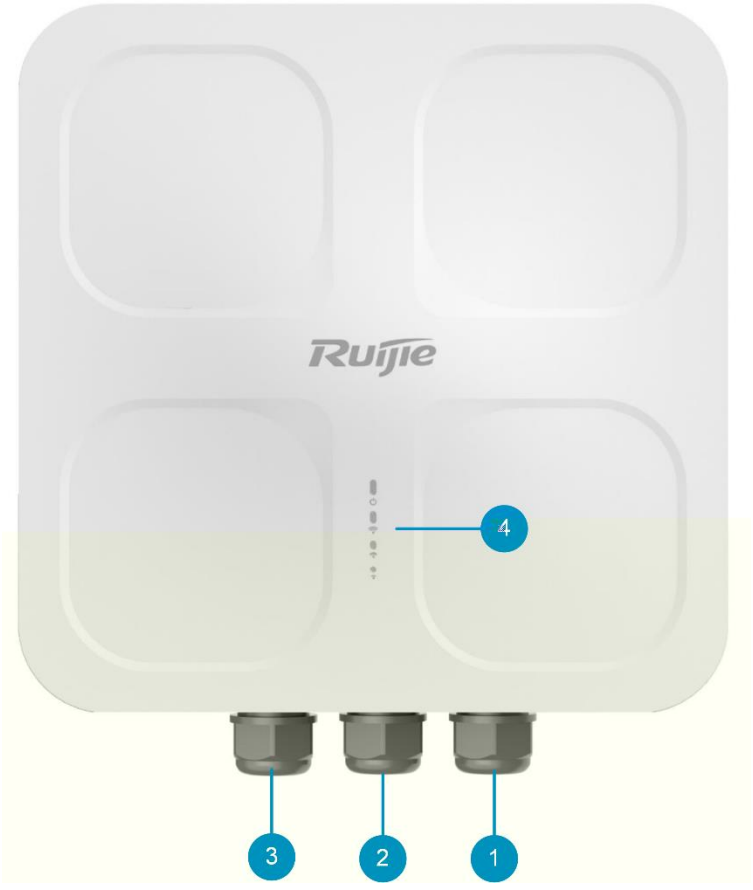
¥Ø®È¤ogpÞ¥Ø¥ÏÞ¥MÞe
kFiHÇÞ RG-WISDÈ¢Goß¶DÞ¥®ž

RG-AP680-IOJ4 IP68… Ø¯TWÈUÞÞPHyÈ
kUäÞBxHÈÇÞkz4xyÞž

¥Þu4® k u4Ã ß kUÞ¿— Wi-Fiä$Á
Lož

1.2 cpØ

¢ **1-1** „



= 1-1 Ø¿ý

¥	Ø¿	ý
1	LAN1/HPoEM	MÐ¢Snjx 5000Base-T Ø u4 IEEE802.3afo•802.3ato•802.3btÕ PoEˆ
2	LAN2/IoT	MÐ¢Snjx 1000Base-T Ø u4 802.3afÙ
3	LAN3/	MÐ¢Snjx 10GM
4	6P°	96PÃ¥ 1ãPk 3 RSSIÆP °

¢ 1-2 Ô

= 1-2 Ø /L ý

¥	Ø¿	ý
1		Mè sole My Reset7py Øp9Moõõ%

©Y	⁄L	× y ƒ
2	N	9DÞNª
3	℔	9uk[IP68ˆ...

B*D

= 1-3 Go$

ÿ	**ƃ**

1.4 CÞá

1.4.1 Þ

= 1-4

1

/Pá	RG-AP680-IO
Ø0ä	30dBm hÞŽ0áèÞcŽož
ax	1dBm
ø	802.11by BPSKo•QPSKo•CCK 802.11a/g/ny BPSKo•QPSKo•16-QAMo•64-QAM 802.11acy BPSKo•QPSKo•16-QAMo•64-QAMo•256-QAM 802.11axy BPSKo•QPSKo•16-QAMo•64-QAMo•256-QAMo•1024-QAM
Nvƒ	802.11by -96dBmg 1Mbpshk -93dBmg 5Mbpshk -89dBmg 11Mbpsh 802.11a/gy -91dBmg 6Mbpshk -85dBmg 24Mbpshk -80dBmg 36Mbpshk -74dBmg 54Mbpsh 802.11ny -90dBmg MCS0hk -70dBmg MCS7hk -89dBmg MCS8hk -68dBmg MCS15h 802.11acy HT20y -88dBmg MCS0h k -63dBmg MCS9h 802.11acy HT40y -85dBmg MCS0h k -60dBmg MCS9h 802.11acy HT80y -85dBmg MCS0h k -60dBmg MCS9h 802.11acy HT160: -80dBmg MCS0hk -55dBmg MCS9h 802.11axy HE80y -82dBmg MCS0h k -57dBmg MCS9h k -52dBmg MCS11h 802.11axy HE160y -80dBmg MCS0hk -49dBmg MCS11h

1.4.3 /LPá

= 1-6 /LPƒ

/LPá	RG-AP680-IO
ê	**RÏ** 5.1 **u4RMiÓ** **u4** Zigbee**o**•RFID**o**•Thread**4h**
N	**ƒ** 1 100/1000/2500/5000Base-T **k4** IEEE 802.3af/802.3at/802.3bt PoE**I** 1 10G SFP+ 2.5G/1G**M** **ƒ** 1 10/100/1000Base-T **k** **u4** PSE **g** 802.af **4** 15.4W
N	1 RJ45 Console**M**

/LPá	**RG-AP680-IO**

EMCc•	8² EN301 489o•EN 55022o•FCC Part15o•RSS-210o•GB/T 24338.5o•EN 50121

Ceø	nH Ce©Y	©4Ø
þÕ	1o•2	nP APNè 9NƵ8 -70dBm~-50dBmož
þÕ	1o•2o•3	nP APNè 9NƵ9 -50dBmož

1.6 ø

AP 10G° M++ÊJMu4° MßlkxêNMê°. %

kßEkjè@n 1-11yn 1-12ož

= **1-11 ÖÔ ß bpsd**

APLû	**ø**

2 Gê

2.1 ĭ

B*D

-
-

2.1.1 Ð ĭ

z ä Ä Mtg G0Vo J C9lo•
APÕ

z WE Jo J E gk ž Wi G *

z xD Dk 500 kc

z 9 1

z xy Ut

z 1W Ktg

2.1.2 µ

z 9

z g

2.1.3 µ

Ae

-
-

z gH V Kt

z k A kBx

z W

z

z x

z APW @U

z G0Vk G0Vk C

z ª

z MÃª

2.2.6 õ-

2.2.9 óG´

1õý

- GõC*Mõ
- Gxõ
- Gxyõ8Õx
- Gõ

2.3 GV¿

= 2-1 V¿ =

nV¿	t ô o• o•
V¿	
¥	

- xG
- x
- x
- x
- x
- G• x
- +9u4
- +9u4

3.3 l

- AP3oWyx.xk8RhM7%
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1
- 1

3.4 G

3.4.1

4 M6SGR 105mmx65mmh1 TOP

¢ **3-2** **ÐÌ**

3.4.2 Ù

1 2M TOPÉz

¢ **3-3** **Ð**

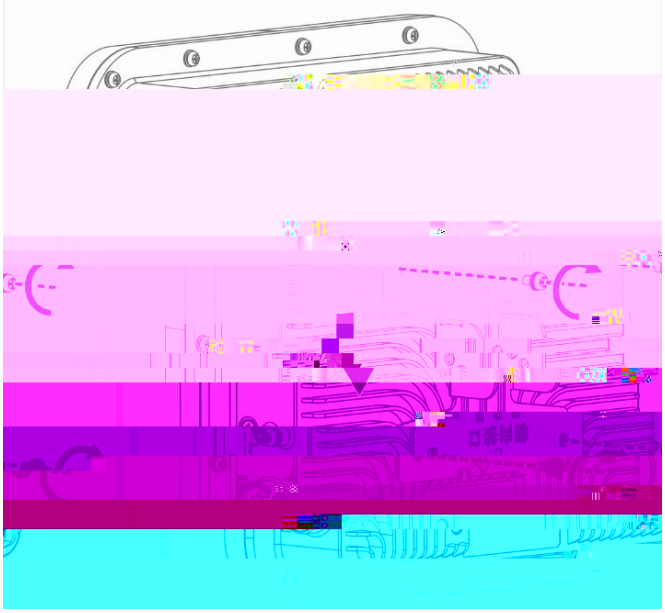
⚠ Æ

-
-
-

3.4.3 ÙÐ

(1) 1 4h,

¢ **3-4 GÌ**

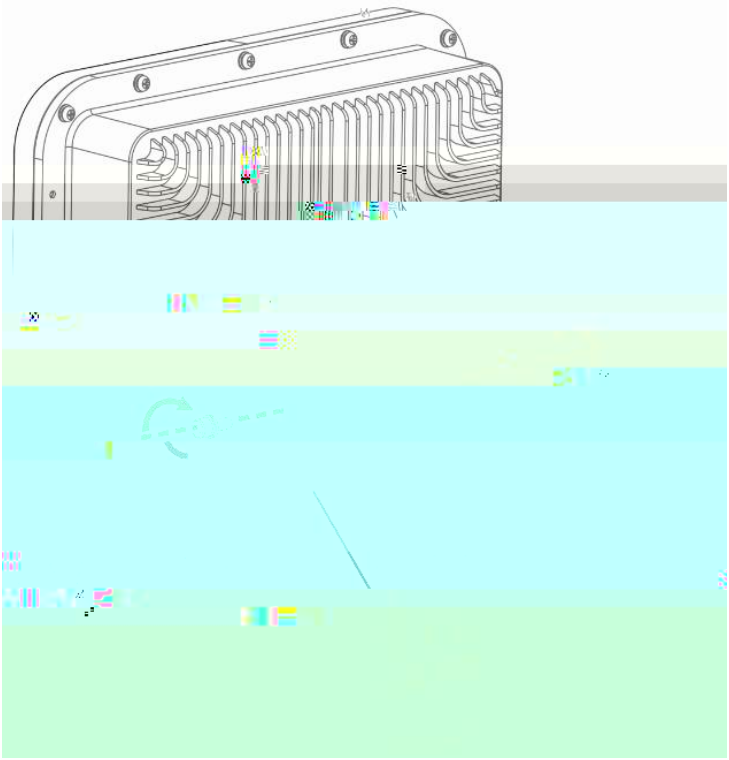


(2) 15ëx0F¥h, M6Ñk1XXz

B*D

p8Þ¶Ê1-*GÊ GÊ¢Ê¤M6x¥

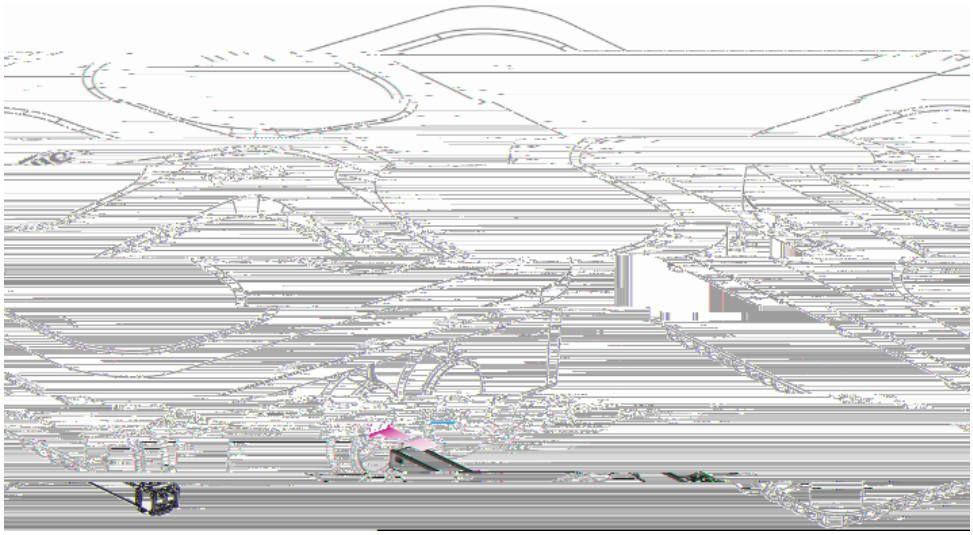
¢ **3-5 ÑGµ**



¢ **3-6 MBBµ**

(3) 1x

¢ 3-8 Ê



3.6 ÆŽ

B*D

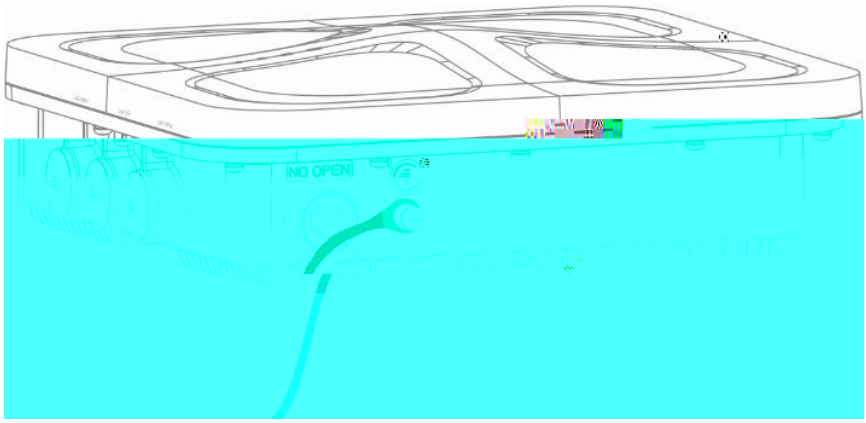
LhjÏM6?ÝXÐ >

3.6.1 ÆŽ

Ê‰ OTÿÑÕ¾RP‰

OTÿÑ¾Ê5ÕVÿ9²-ÊŽ

¢ 3-9 Ê



3.6.2 ÆŽ

Æ

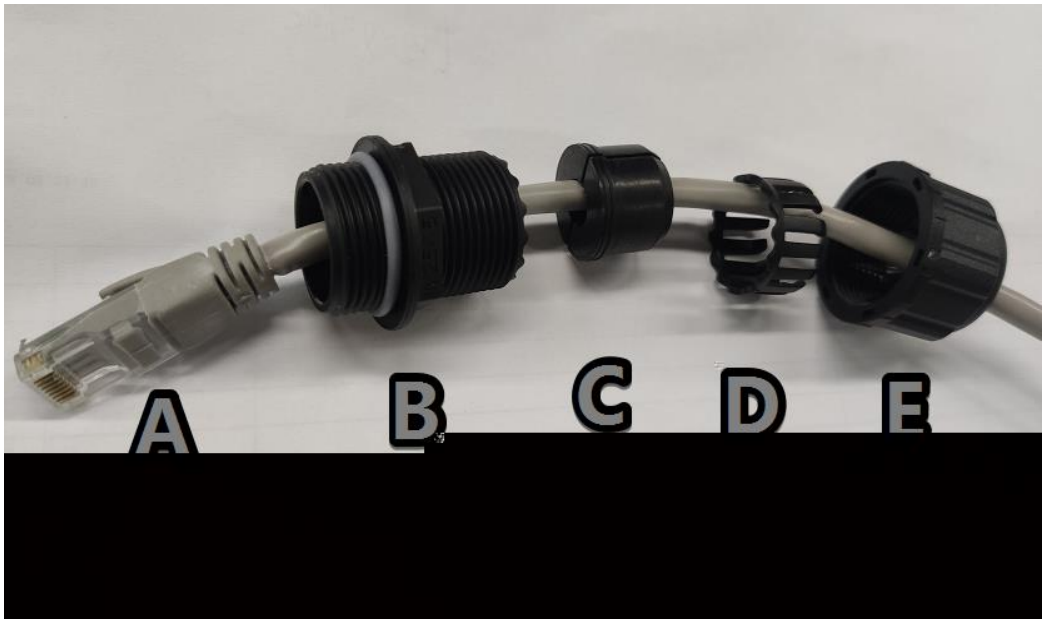
- APAÔ099ghj' PGjÐ73Pÿ>
- PGjÆÃ APAêFÿ>
- 6.6mm~8.6mm>

• 152©ÿJA÷ PoEÑk1¼kÃ 48V>

(1) APê1àÿxéruëž

(2) JWJãà7£krJ.. PGãž

¢ **3-10 ÆÚ+ PG â**



(3) 1àÆµ APêÑk7Á Bo•Co•Do•E¿‰rJ. PGãàž

(4) ¨ PGèÚ.@2yJkgJÔž

3.6.3 ÆŽ

⚠ Æ

Ô{ µ¡ª LC-LC4Ú)4õ 45<º M6^2.5mm~3.5mm99*» ¸ µ²Ĺ 4µ5²3ÆLhÏ]
73>

(1) ¬ 2.7r 0.2mm LC-LC° ê1° r J.. Nã

¢

4 p

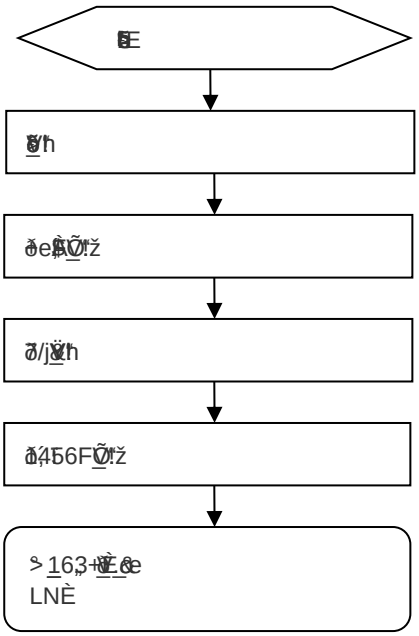
4.1 @

- * PoE+ APož
- z * PoE+ APgNkGNwlož
- z *EQNñ PE POž
- z wXz

6 nK

6.1 Gm-

¢ 6-1 Gm-



6.2 n

6.2.1 /X

6.2.2 C

PoEÿ6• PoENP k5á 802.11af k*3
oož

6.2.3 C

6P oI P ì

6.2.4 C

9 P oI P oÙ
R)6P 14ž k6P ° Q olkn Bk

6.2.5 CeM FIT AP d

9ÊÔPÔR)ÏPõ

R)olÏÔÔoÞ 10ÏM

6P °

7 ₵

7.1 ÆÐ¥

- z 5000BASE-T/2500BASE-T/1000BASE-T/100BASE-TX/10BASE-T¥

5000BASE-T/2500BASE-T/1000BASE-T/100BASE-TX/10BASE-T© u4≤ æ¥k u4≤

ä MDI/MDIX Crossoverož

5000BASE-T/2500BASE-T` IEEE 802.3bzõNØ¬ 6kIUE‰P≤. 6ø•

3	Output Transmit Data+	Input Receive Data+
6	Output Transmit Data-	Input Receive Data-
4o•5o•7o•8	Not UsBT11mC8	Not UsBT11mC8

7.2 GéŽ

[illegible]

[illegible]

G[illegible]AV[illegible]

z [illegible]

- Ñ [illegible] ekØ 5¥+9Æ
  V[illegible] 7¥ž
- Ñ *cØ[illegible]ekØ 7¥+9ÆVØ
  [illegible]n-U[illegible]0 ¥ž
- Ñ Ø SFP+ØØ 5¥+9ÆVØ
  Ø 10¥ž

z [illegible]

- Ñ [illegible]
- Ñ [illegible] £ 7-5Rož

¢ **7-5** [illegible]

- Ñ [illegible]
  [illegible]UJHABb[illegible] 30mmož
- Ñ [illegible]
- Ñ [illegible]
- Ñ [illegible] Ne9[illegible]
- Ñ [illegible] £ 7-6Rož

¢ 7-6

Ñ

£ 7-7

¢ 7-7

Ñ

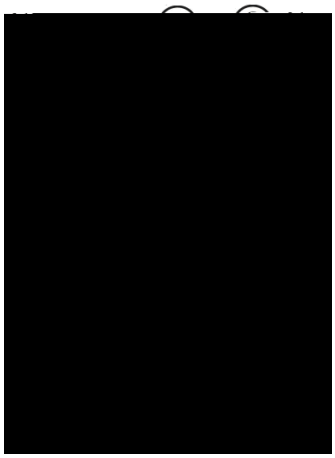
Ñ 220V -48V

Ñ

Ñ

£ 7-8

¢ **7-8** ê



¢ Ô	’ Ê	” iÛ
	“ ê	• Ê

Ñ +9Ê ÔØ

Ñ ×Ê

Ñ ê u+ož

Ñ Ê gož

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

Ñ ` ê

Ñ +99N Ê

µž

7.3 Bê

/Ẅ (dBm)