

RG-MAP852-A(V3)

V1.2

2025-06-04

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2.

| | | |
|-------|---------|---|
| | | 1 |
| 1 | | 1 |
| 1.1 | | 1 |
| 1.2 | | 1 |
| 1.3 | | 3 |
| 1.4 | | 4 |
| 1.4.1 | | 4 |
| 1.4.2 | | 4 |
| 1.4.3 | | 5 |
| 1.4.4 | | 5 |
| 1.4.5 | | 6 |
| 1.5 | | 6 |
| 2 | | 0 |
| 2.1 | | 0 |
| 2.1.1 | | 0 |
| 2.1.2 | | 0 |
| 2.1.3 | | 0 |
| 2.1.4 | | 1 |
| 2.2 | | 1 |
| 2.2.1 | ..... | 1 |
| 2.2.2 | ..... | 1 |
| 2.2.3 | ..... | 1 |
| 2.2.4 | / | 1 |
| 2.2.5 | ..... | 1 |
| 2.2.6 | ..... | 2 |
| 2.2.7 | ..... | 2 |
| 2.2.8 | ..... | 2 |
| 2.3 | | |

| | | |
|-------|-------|----|
| 6.2.4 | ..... | 8 |
| 6.2.5 | ..... | 9 |
| 6.2.6 | ..... | 9 |
| 6.2.7 | ..... | 9 |
| 7 | ..... | 10 |
| 7.1 | ..... | 10 |
| 7.2 | ..... | 12 |

1

1.1

RG-MAP852-A(V3)

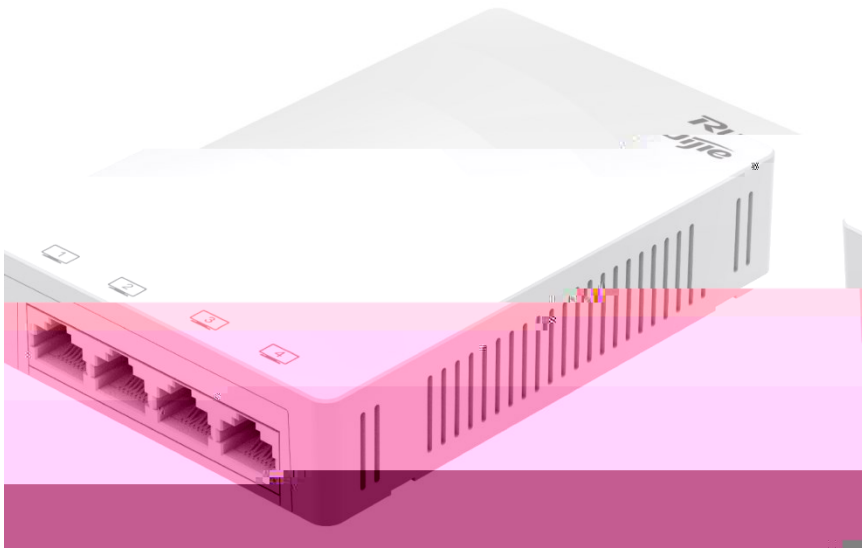
| | | | |
|-----------------|-----------|-----------|---------|
| RG-MAP852-A(V3) | 802.11ax | 2.4G | 575Mbps |
| 5G | 2.400Gbps | 2.975Gbps | |
| 5 | 4 | LAN | WAN |

RG-MAP852-A(V3)

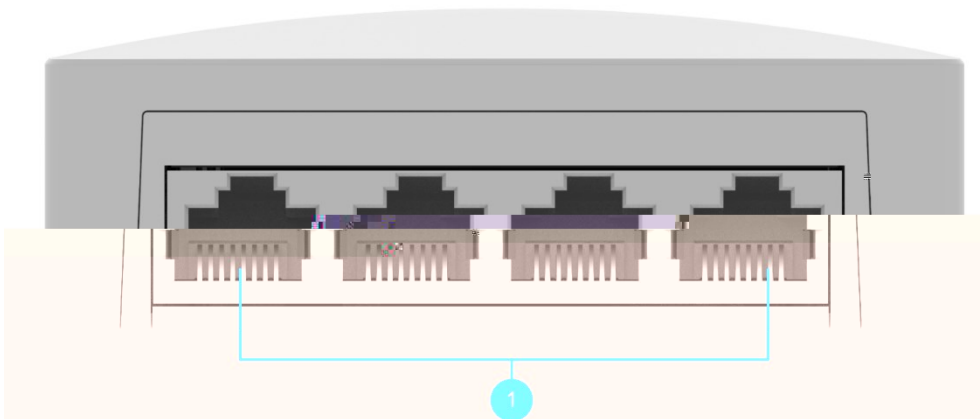
1.2

| | | | | | |
|-----------------|---|---|-------------------|---|-------|
| RG-MAP852-A(V3) | 2 | 5 | 10/100/1000Base-T | 1 | USB C |
|-----------------|---|---|-------------------|---|-------|

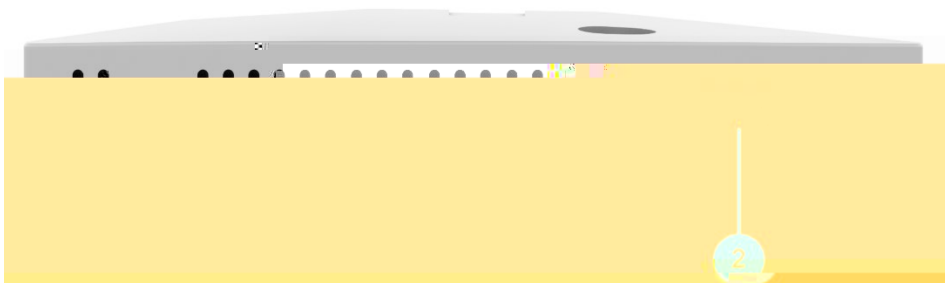
1-2



1-3



1-4



1-5



1-1

| | | | |
|---|---------|-----|-----------------------------|
| | | | |
| 1 | LAN | | |
| 2 | Console | | |
| 3 | WAN | PoE | IEEE802.3af 802.3at 802.3bt |

1.3

1-2

| | | | |
|---|-----------------|---|--|
| | | | |
| 1 | RG-MAP852-A(V3) | 1 | |
| 2 | M4*40 | 2 | |
| 3 | | 1 | |

1.4

1.4.1

1-3

| | RG-MAP852-A(V3) |
|-----|-----------------|
| × × | 86mm×125mm×30mm |
| | 0.3kg |
| | 86 |
| | |
| | |

1.4.2

1-4

| | RG-MAP852-A(V3) |
|--|-----------------|
|--|-----------------|

4

Radio1 2.4GHz 2 2×2 MU-

| | RG-MAP852-A(V3) |
|--|---|
| | 802.11b BPSK QPSK CCK 802.11a/g/n BPSK QPSK 16-QAM 64-QAM 256-QAM 802.11ac BPSK QPSK 16-QAM 64-QAM 256-QAM 802.11ax BPSK QPSK 16-QAM 64-QAM 256-QAM 1024-QAM |
| | 802.11a -91dBm(1Mbps) -90dBm(5Mbps) -87dBm(11Mbps) 802.11b/g -89dBm 6Mbps -82dBm 24Mbps -78dBm 36Mbps -72dBm 54Mbps 802.11n HT20 -85dBm@MCS0 -67dBm@MCS7 802.11n HT40 -82dBm@MCS0 -64dBm@MCS7 802.11ac VHT20 -85dBm MCS0 -62dBm MCS8 802.11ac VHT40 -82dBm MCS0 -57dBm MCS9 802.11ac VHT80 -79dBm MCS0 -53dBm MCS9 802.11ax HE80 -79dBm MCS0 -53dBm MCS9 -52dBm MCS11 802.11ax HE160 -75dBm MCS0 , -47dBm MCS11 |

1.4.3

1-5

| | RG-MAP852-A(V3) |
|--|--|
| | 1 10/100/1000Base-T IEEE 802.3af 802.3at 802.3bt PoE 4 10/100/1000Base-T |
| | 1 Micro USB Console |
| | 1 |

1.4.4

1-6

| | RG-MAP852-A(V3) |
|--|-----------------------------------|
| | PoE/PoE+/PoE++ 802.3af/at/bt + |

| | |
|--|------------------------|
| | RG-MAP852-A(V3) |
| | |



PoE

802.3af

AP

1.4.5

1-6

| | |
|-----|--|
| | RG-MAP852-A(V3) |
| | -10°C 45°C -40°C 70°C 3000~5000 220 1 |
| | 5%RH~95%RH 5%RH~95%RH |
| | IEC 60950-1 IEC 62368-1 GB 4943.1 |
| EMC | EN301489 EN55032 EN55035 |

1.5

1-7

| | | |
|--|------------|---------------------|
| | | |
| | | AP |
| | | AP |
| | | AP Link Down |
| | 3 1 | FIT AP AP AC CAPWAP |
| | 0.2 0.2 | FIT AP MACC AP AP |
| | 3 1 | AP |

2

2.1



2.1.1

AP

500

2.1.2

2.1.3



AP

2.1.4

/



18

24

2.2

2.2.1

2.2.2

2.2.3

2-1

| 0.5um | | /m ³ | 1.4 × 10 ⁷ |
|-------|-----|-----------------|-----------------------|
| 0.5um | 1um | /m ³ | 7 × 10 ⁵ |
| 1um | 3um | /m ³ | 2.4 × 10 ⁵ |
| 3um | 5um | /m ³ | 1.3 × 10 ⁵ |

2.3

2-3

| | |
|--|-----|
| | () |
| | |
| | |



RG-MAP852-A(V3)

3

RG-MAP852-A(V3)



3.1

3-1

3.3

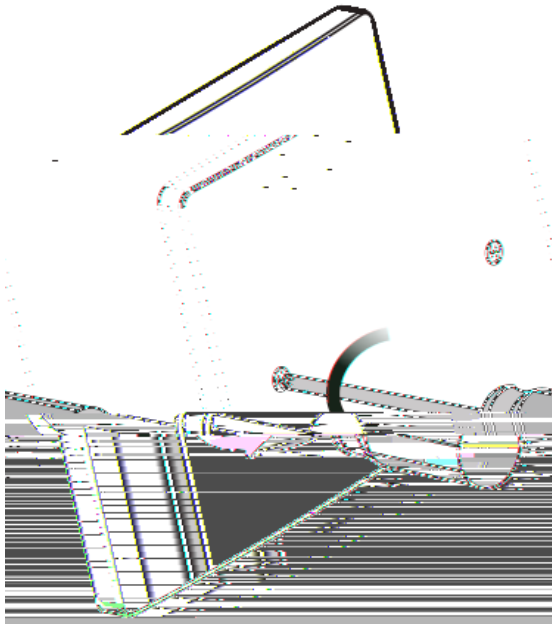
AP

3.4

3.4.1 86

(1)

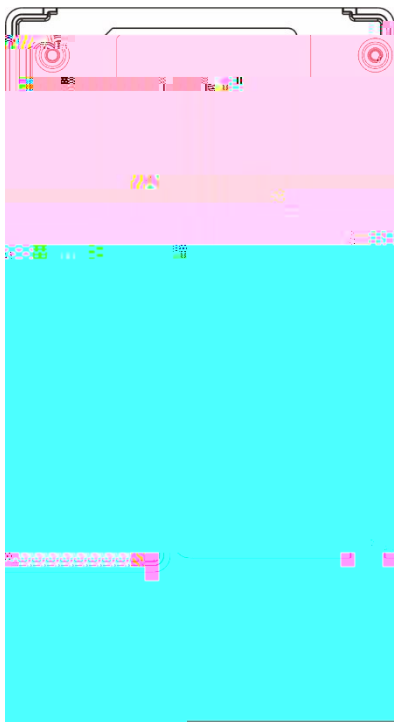
86



(2)

WAN

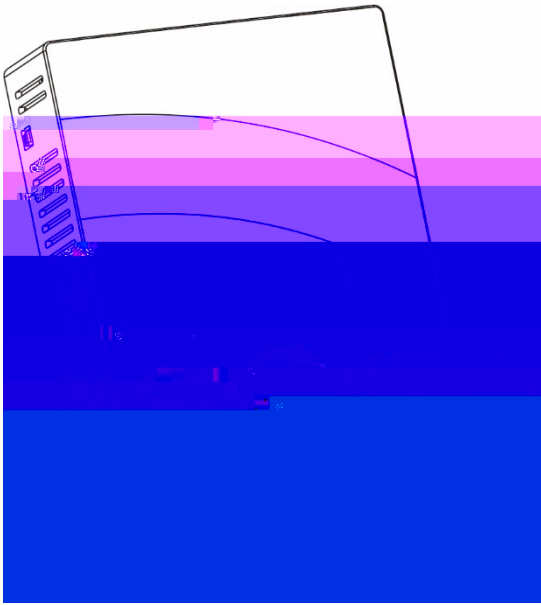
3-3



(3)

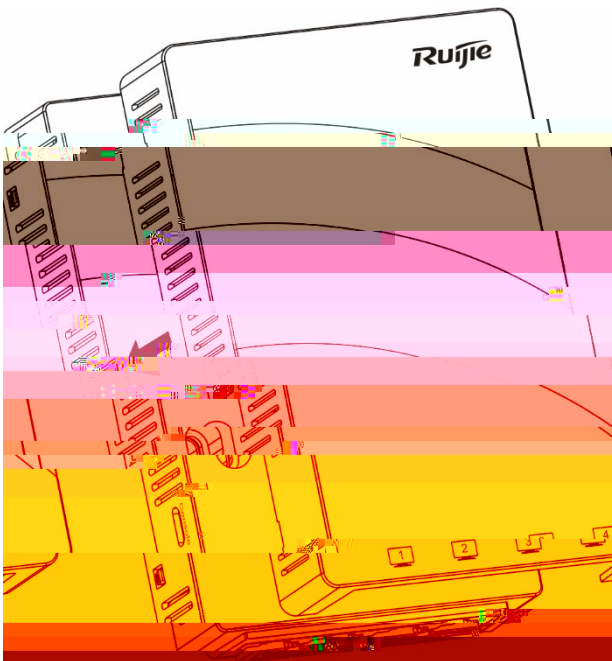
86

3-4



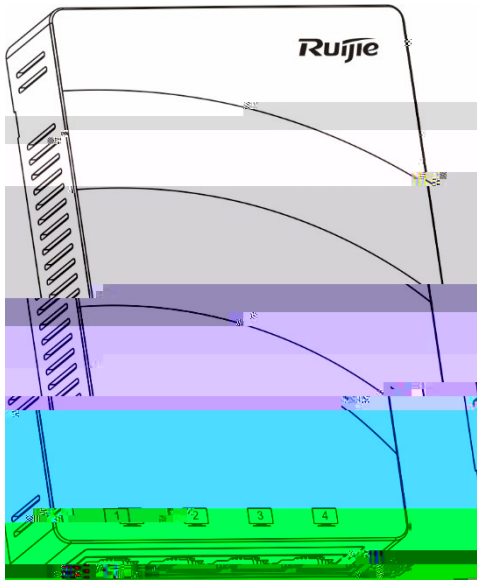
(4) LAN LAN " Ruijie" logo

3-5



(5)

3-6



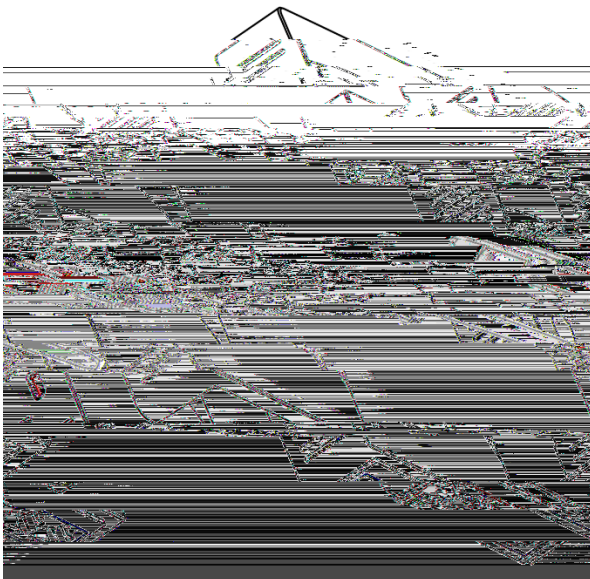
AP

AP

3.4.2

(1)

3-7



(2)

3.5

| | AP | WAN/PoE | AP | 7.1 | |
|---|---------|---------|----|---------------------|----|
|  | Console | 9600 | 8 | 1 | AP |

3.6

3.6.1

3.6.2

- 1) LAN/PoE
- 2)
- 3)

3.7

3.7.1

AP

AP

3.7.2

3.7.3

AP

4

4.1

+ AP

PC AP AP AC PC PoE

4.2

4.2.1

4.2.2

5

5.1

5.1.1

5.1.2 CLI



5.2

RG-MAP852-A(V3)

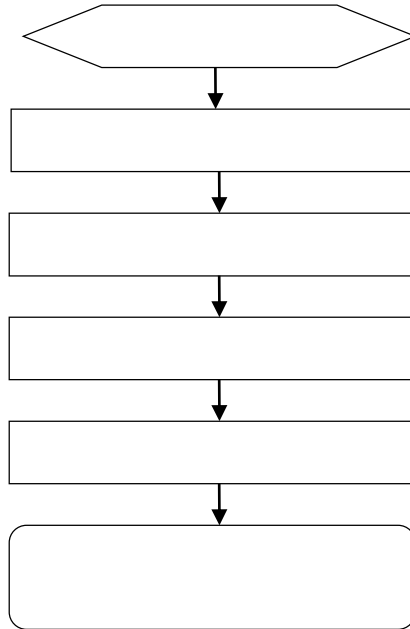
AP

AC

5.3

6

6.1



6.2

6.2.1

6.2.2

PoE

802.11af

6.2.3

6.2.4

1

6.2.5

10

6.2.6

CAPWAP AC AP AC

6.2.7

- (1)
- (2)
- (3) AP
- (4) AP

7

7.1

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

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

MDI/MDIX

Crossover

1000BASE-T IEEE 802.3ab
STP 100

100-ohm 5

5

UTP

1000BASE-T 4

4

1000BASE-T

7-1 1000BASE-T



Switch

Switch

Switch

Switch

1 TP0 +

1 TP0 +

1 TP0 +

1 TP0

7.2

5
7
7
10
SFP+
5
10

7-4

7-4

30mm

7-5

7-5

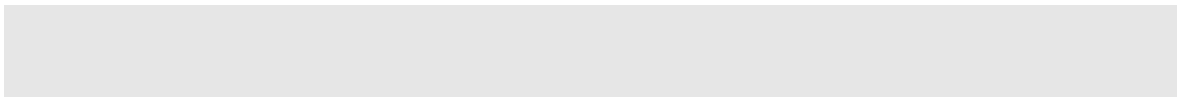
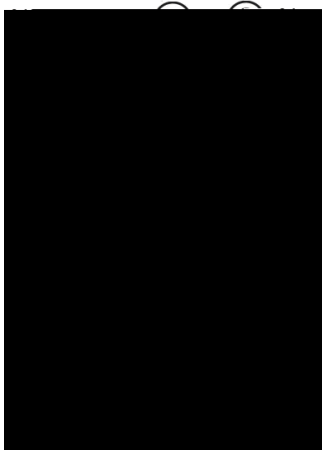
7-6

7-6

220V

-48V

7-7



| (mm) | (mm) |
|--------|---------|
| 10 | 80~150 |
| 10~30 | 150~200 |
| 30 | 200~300 |