

RG-MAP852-A(V3)

V1.2

2025-06-04

copyright © 2025

copyright © 2025



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)

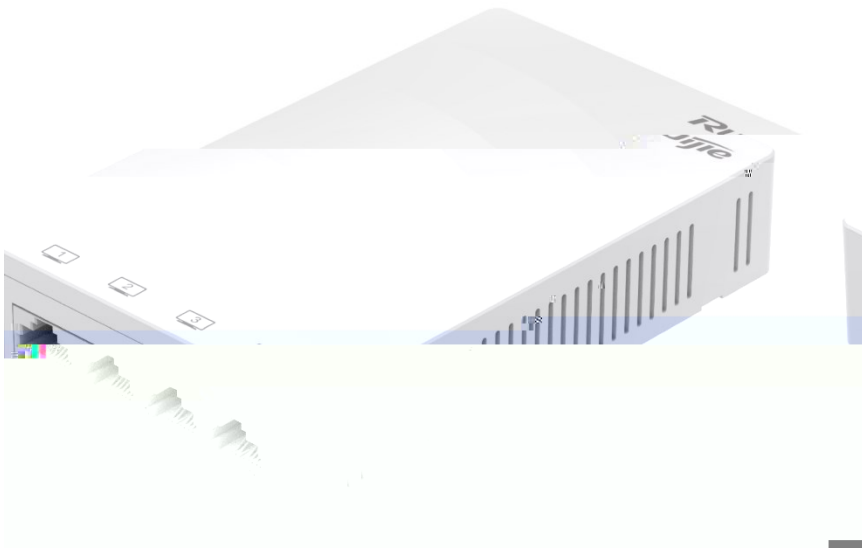
RG-MAP852-A(V3)		802.11ax		2.4G	575Mbps
5G	2.400Gbps			2.975Gbps	
	5	4	LAN	1	WAN

RG-MAP852-A(V3)

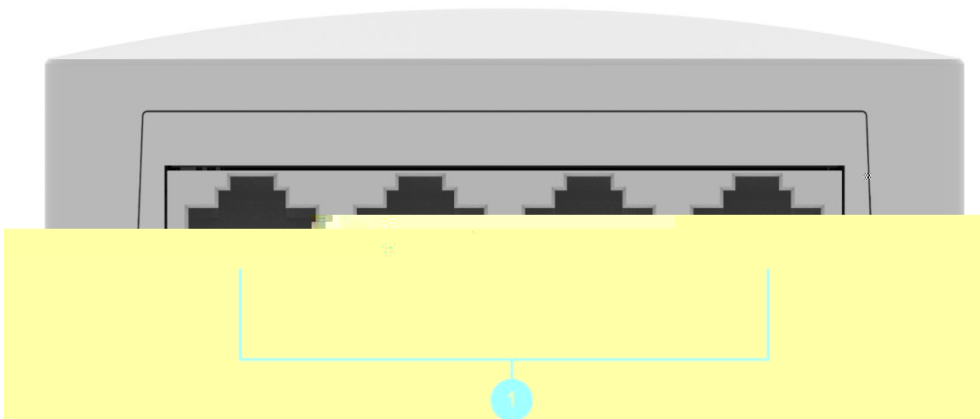
1.2

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

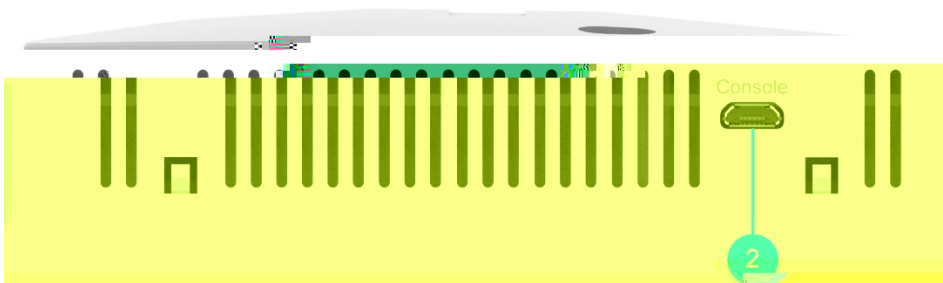
1-2



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

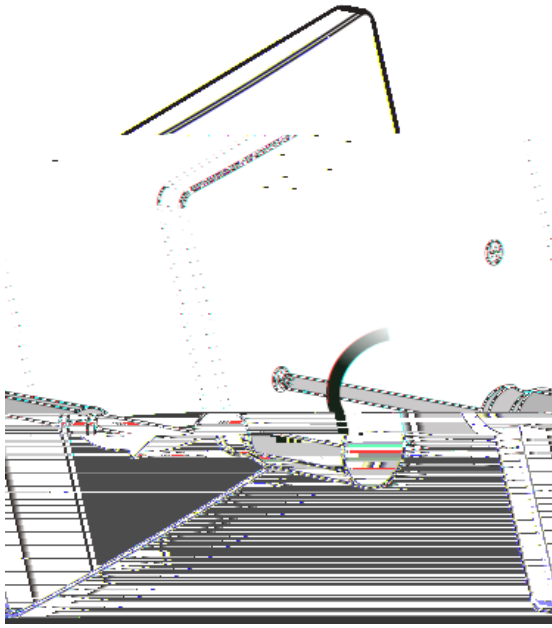
AP

3.4

3.4.1 86

(1)

86



(2)

WAN

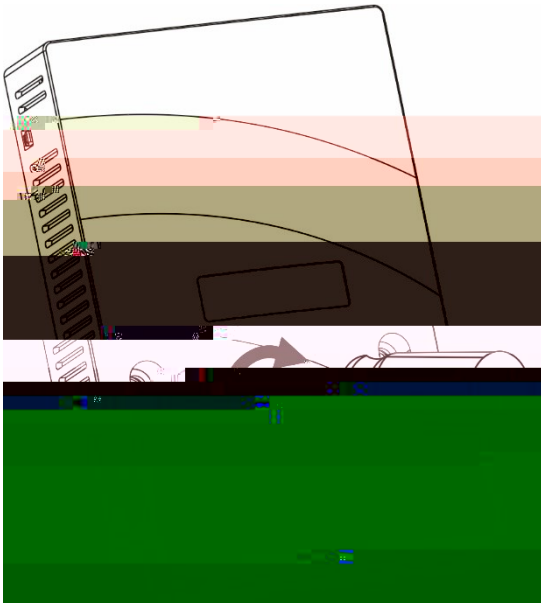
3-3



(3)

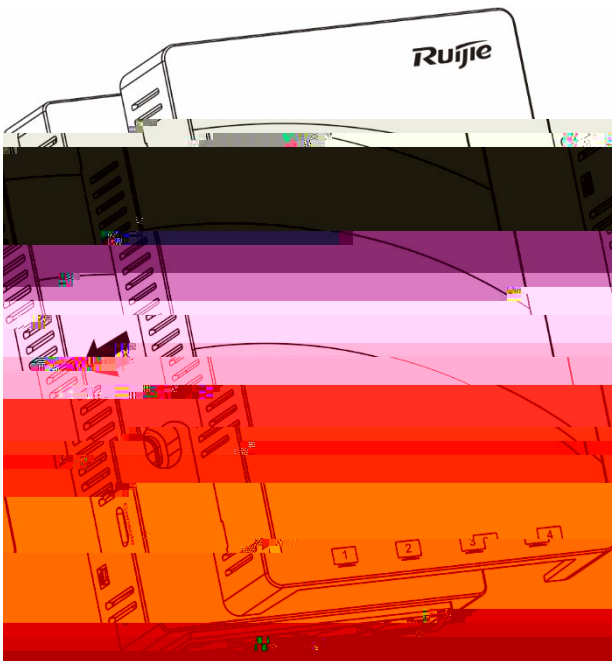
86

3-4



(4) LAN LAN " Ruijie" logo

3-5



(5)

3-6



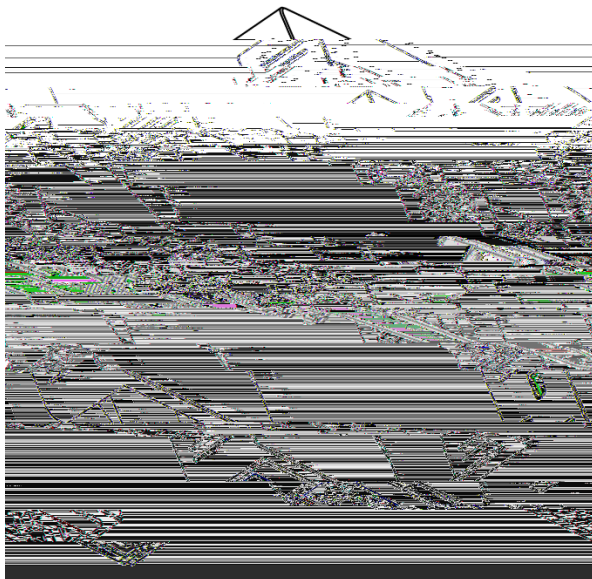
AP

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)

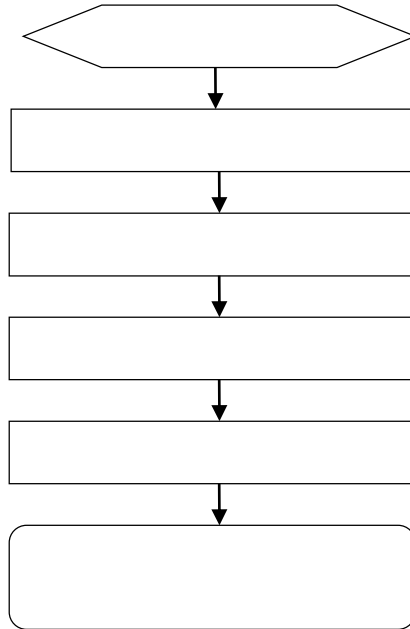
AP

AC

5.3

6

6.1



6.2

6.2.1

6.2.2

PoE

802.11af

6.2.3

6.2.4

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

100-ohm 5

5

UTP

STP 100

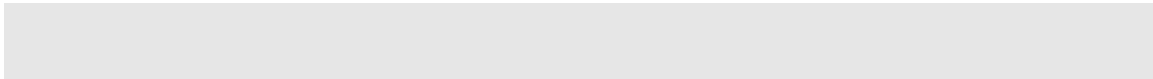
1000BASE-T 4

4

1000BASE-T

7-1 1000BASE-T

1000BASE-T/100BASE-TX/10BASE-T MDI/MDIX (e-g) BD 2287.09154.27 226.85 18.12 WBT/F 9T1



Switch

Switch

Switch

Switch

1 TP0 +

1 TP0 +

1 TP0 +

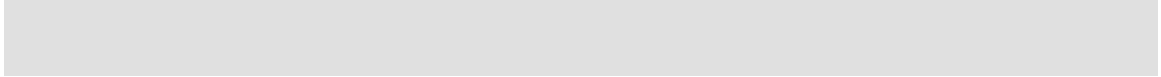
1 TP0

Pin		
4 5 7 8	Not Used	Not Used

100BASE-TX/10BASE-T

7-3 100BASE-TX/10BASE-T

Swi4182 Tm71483 EMC /P 5-214()].749G[]-214()-228()-214()-228()-214()



Switch

Switch

Switch

Switch

1 IRD +

1 OTD +W*-230g 0.C1B02/69/Lang (en-US)>> BDC q 287.09 586.18 226.85 18.12 re V

7.2

5
7
7
10
SFP+
5
10

7-4

7-4

30mm

7-5

7-5

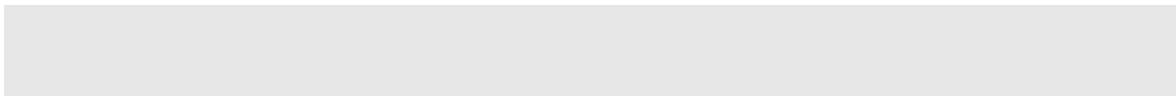
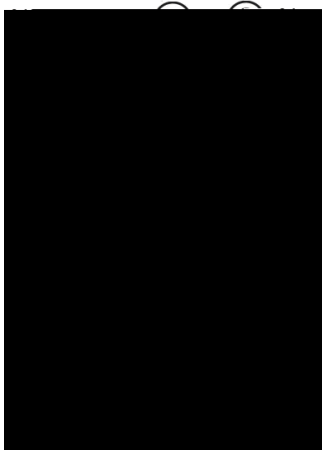
7-6

7-6

220V

-48V

7-7



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