

# RG-RAP62-OD

## AX3000 Wi-Fi 6 Indoor/Outdoor

### Versatile Access Point



## Highlights

- AX3000 Versatile Outdoor/Indoor Mesh AP for Villas and Retail Businesses
- Wall or Pole Mounting to Fit in Any Location
- IP65 Weatherproof Rating, Delivering Consistent Protection and Signal Stability
- Built-in Antennas for Coverage Where Needed
- Tailored for Retail Businesses with Reyee Mesh, Standalone Portal, and AI Roaming

## Features

# Highlight Features



## Featuring A Sleek Design for Deployment Indoors and Outside

**Fast & Stable Wi-Fi 6 Speeds**  
Ideal for Open Space Business  
Outdoor Wi-Fi Coverage

**More Devices and Wider Coverage**  
This is what your house's Wi-Fi should be



# Highlight Features

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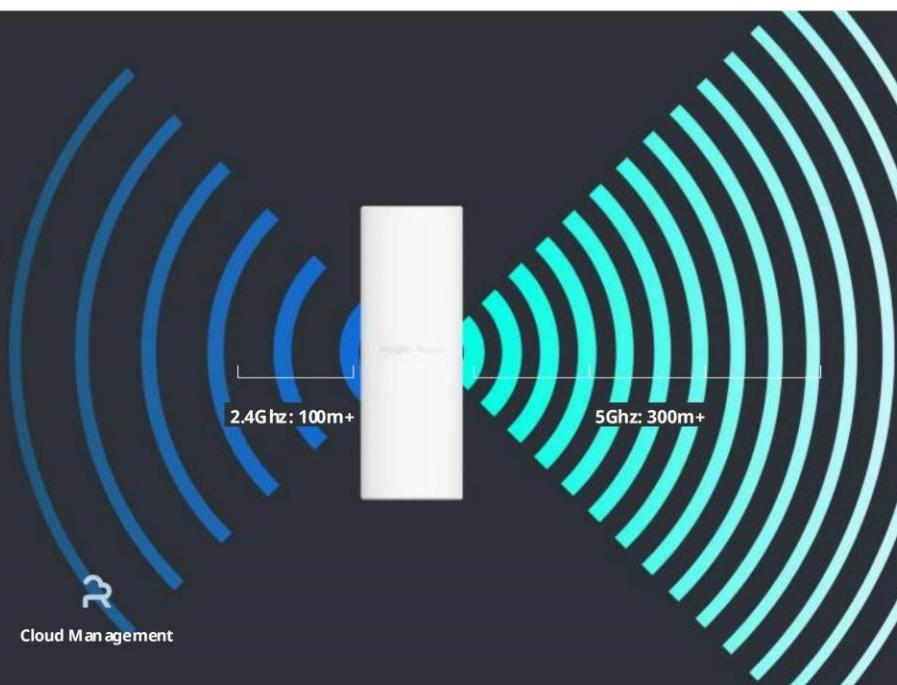


Capacity MAX 512, Recommend 110  
Coverage 250+ m<sup>2</sup>



## The Way We Made Reliable & Long-Range Wi-Fi for Coverage

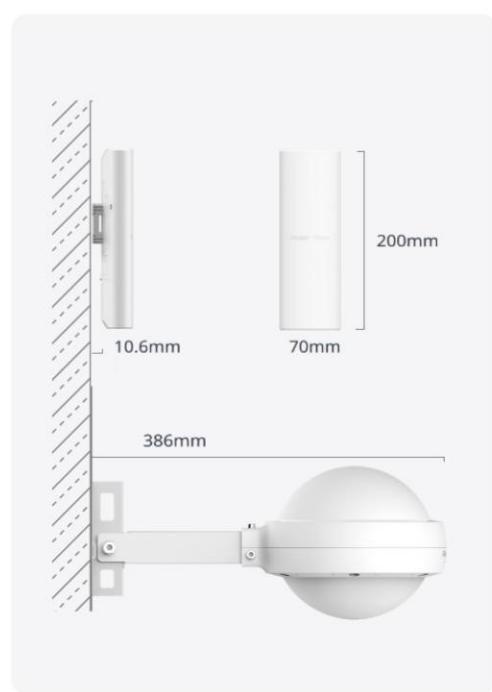
Professional build-in antennas equipped with Enterprise-grade high-gain amplifiers and utilized Wi-Fi 6 technology to make the whole device perform perfectly in coverage and quality Wi-Fi delivered.



# Highlight Features

## Refined Appearance

Infinite Art Possible, Unleash limited Space



## Consistent Protection, Stable Signal

Weatherproof - Rated as IP65 during Ingress Protection Testing



### Raining-Proof

(Within a distance of 2.5 meters) strongly sprayed by water with a flow rate of  $12.5 \pm 0.625 \text{ L/min}$



### Dust-Proof

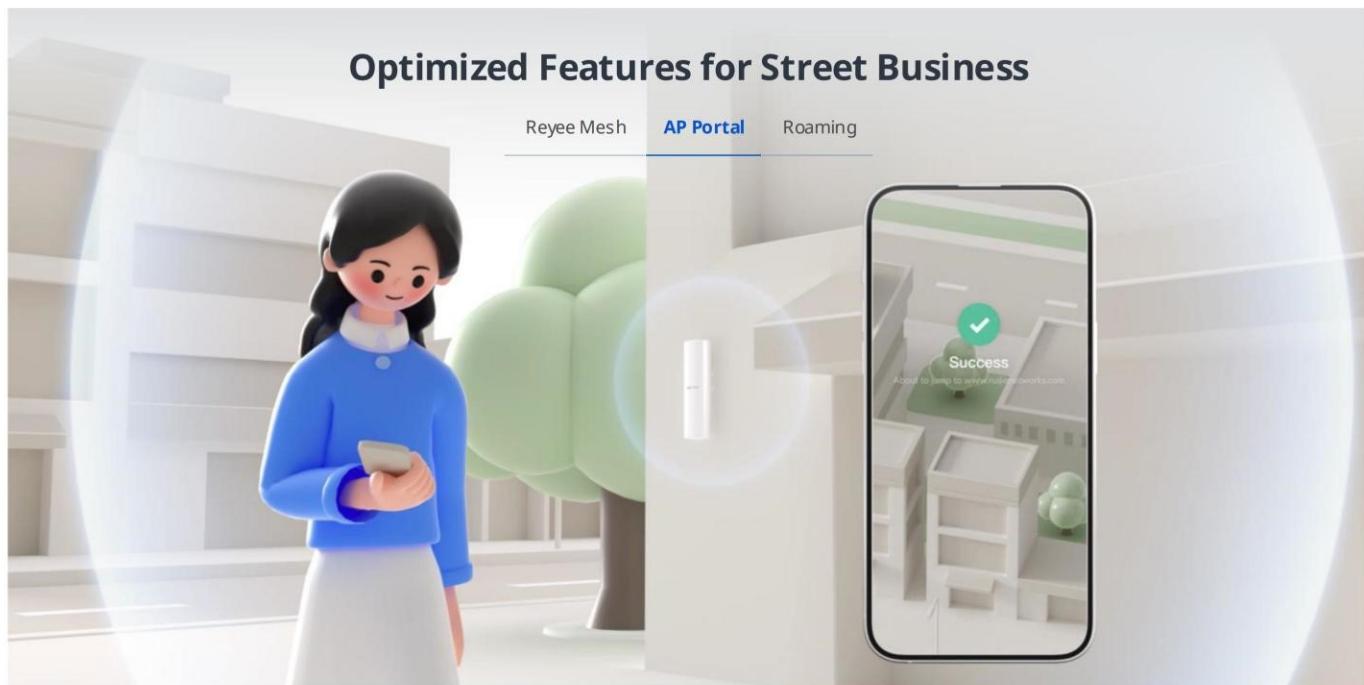
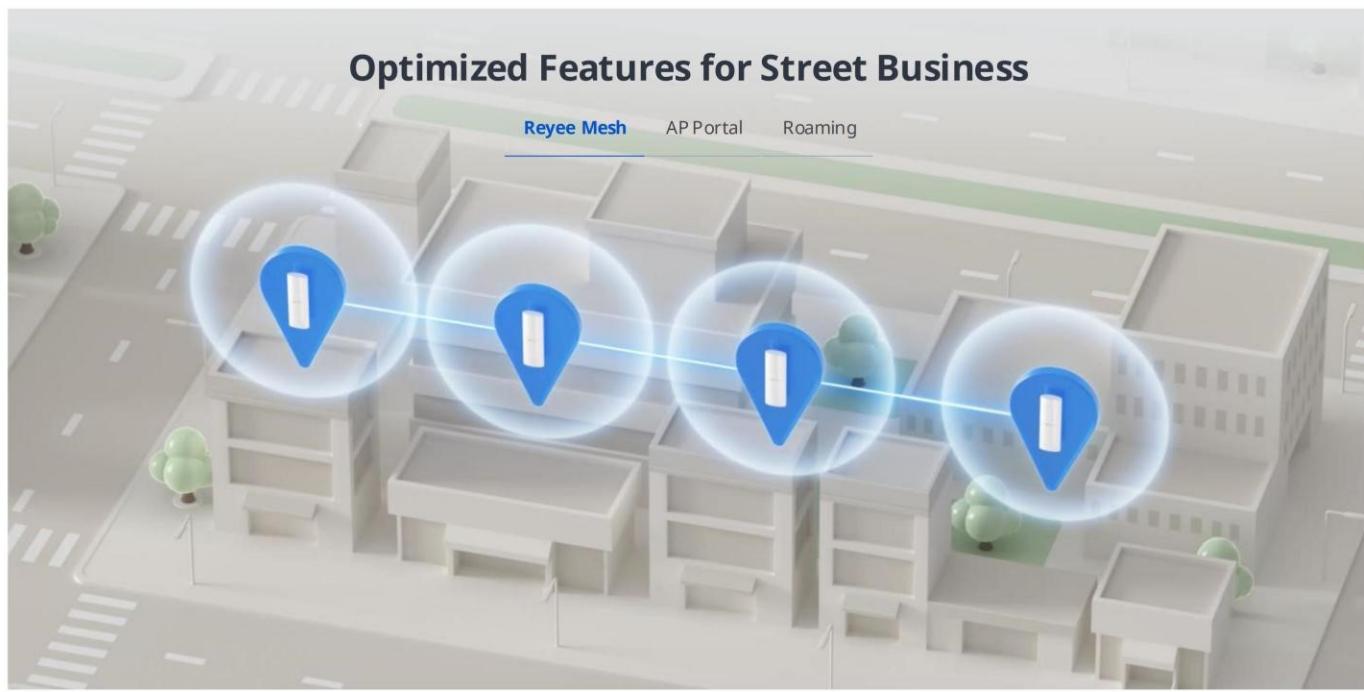
Highest Protection to prevent tiny dust into the inside of device



### Surge-Protection

4kV Lightning Protection  
15kV ESD Protection

## Highlight Features

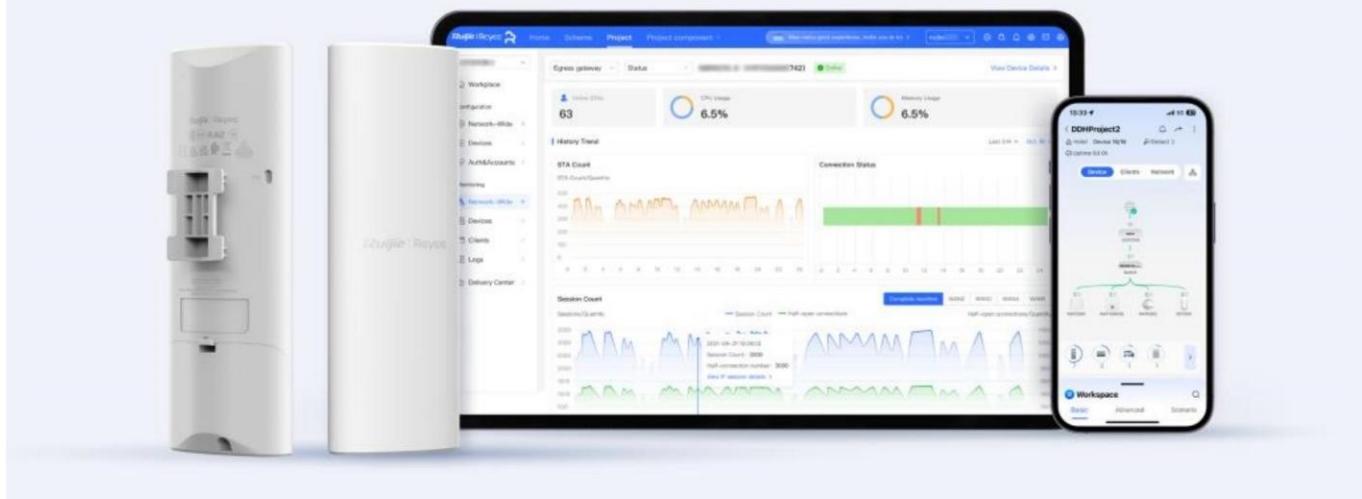


# Highlight Features



## Cloud, Make Your Business Easy

- Self-Organizing Network
- Cloud portal authentication
- Centralized network management
- Remote monitoring and maintenance



## Product Information

Model	RG-RAP62-OD
Product Type	Outdoor AP

## Hardware Specifications

Model	RG-RAP62-OD
<strong>Wi-Fi Radio</strong>	
6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax)
Operating band	IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac/ax, 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz  Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.
Radio design	Dual-radio 4 spatial streams • 2.4 GHz: 2 x 2, MU-MIMO • 5 GHz: 2 x 2, MU-MIMO
FEM	2.4 GHz: 2 x eFEM 5 GHz: 3 x eFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80/160 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	2974 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	2401 Mbps
2.4 GHz wireless data rate	573 Mbps

# Hardware Specifications

Model	RG-RAP62-OD
<b>Maximum transmit power</b>	<p>Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):</p> <p>Note: Country specific restrictions apply.</p> <p>European Union &amp; United Kingdom:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 20 dBm</li> <li>5470–5725 MHz, EIRP ≤ 30 dBm</li> </ul> <p>United States:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</li> </ul> <p>5150–5250 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>5250–5350 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm</p> <p>5470–5725 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm</p> <p>5725–5850 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>Myanmar:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 23 dBm</li> <li>5725–5825 MHz, EIRP ≤ 30 dBm</li> </ul> <p>Thailand:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 20 dBm</li> <li>5470–5725 MHz, EIRP ≤ 30 dBm</li> <li>5725–5825 MHz, EIRP ≤ 30 dBm</li> </ul> <p>Indonesia:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 36 dBm</li> <li>5725–5825 MHz, EIRP ≤ 36 dBm</li> </ul> <p>Egypt:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 20 dBm</li> <li>5150–5350 MHz, EIRP ≤ 23 dBm</li> </ul> <p>Vietnam:</p> <ul style="list-style-type: none"> <li>2400–2483.5 MHz, EIRP ≤ 23 dBm</li> <li>5150–5350 MHz, EIRP ≤ 23 dBm</li> <li>5470–5725 MHz, EIRP ≤ 30 dBm</li> <li>5725–5850 MHz, EIRP ≤ 30 dBm</li> </ul>
<b>Maximum transmit power (6 GHz)</b>	No
<b>Maximum transmit power (5 GHz)</b>	<p>Combined power: 27.7 dBm (single-stream power: 23 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
<b>Maximum transmit power (2.4 GHz)</b>	<p>Combined power: 26 dBm (single-stream power: 23 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
<b>Coverage range</b>	<p>5 GHz max: 300 m (984.25 ft.)</p> <p>2.4 GHz max: 100 m (328.08 ft.)</p> <p>5 GHz recommended: 200 m (656.17 ft.)</p> <p>2.4 GHz recommended: 50 m (164.04 ft.)</p> <p>Note: The data is obtained in an ideal environment without</p>

# Hardware Specifications

Model	RG-RAP62-OD
	obstruction. The signal coverage radius depends on client performance and environmental interference.
<b>Modulation</b>	OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and 1024-QAM OFDMA
<b>Receive sensitivity</b>	11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11)
<b>Antenna</b>	
<b>Antenna</b>	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas
<b>Antenna horizontal orientation</b>	No
<b>Antenna vertical orientation</b>	No
<b>Antenna gain (6 GHz)</b>	No
<b>Antenna gain (5 GHz)</b>	6.50 dBi
<b>Antenna gain (2.4 GHz)</b>	4.00 dBi
<b>Dimensions and Weight</b>	
<b>Product dimensions (W x D x H)</b>	70 mm x 35 mm x 200 mm (2.76 in. x 1.38 in. x 7.87 in.) (excluding the mounting bracket)
<b>Color</b>	White
<b>Weight</b>	≤ 0.4 kg (0.88 lbs.) (without packaging materials)
<b>Shipping weight</b>	≤ 0.57 kg (1.26 lbs.)

# Hardware Specifications

Model	RG-RAP62-OD
<strong>Port Specifications</strong>	
Number of 10/100/1000BASE-T ports	1
Reset button	1
LEDs	1 x system status LED
<strong>Power Supply and Consumption</strong>	
Power supply	PoE/PoE+
Local power supply	No
Dimensions of the DC connector	No
PoE In standard	<ul style="list-style-type: none"><li>IEEE 802.3af (PoE)</li></ul> <p>Note: Radio transmission and reception is limited to 2T2R at 2.4 GHz and 2T3R at 5 GHz, and the wireless rate at 5 GHz is 60% of the original rate.</p> <ul style="list-style-type: none"><li>IEEE 802.3at (PoE+)</li></ul>
Passive PoE power supply	Yes, 24 V passive PoE injector
PoE budget	No
Maximum power consumption	16 W
<strong>Environment and Reliability</strong>	
Operating temperature	-30°C to +65°C (-22°F to +149°F)
Storage temperature	-40°C to +85°C (-40°F to +185°F)
Operating humidity	0% RH to 100% RH (non-condensing)
Storage humidity	0% RH to 100% RH (non-condensing)
Mounting options	Wall/Pole
IP rating	IP65
Surge protection	Ethernet port: ±4 kV for common mode
MTBF	400,000 hours
<strong>Certification and Regulatory Compliance</strong>	

# Hardware Specifications

Model	RG-RAP62-OD
RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032 EN 55035 EN 61000-3-3 EN 61000-3-2 EN 301489-1 EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440
Certification	CE, FCC, CB, ISED, cTUVus
<b>System Specifications</b>	
Flash memory	128 MB
RAM	512 MB DDR3

# Software Specifications

Model	RG-RAP62-OD
<b>Basic Configurations</b>	
<b>AP mode</b>	Yes
<b>Routing mode</b>	Yes
<b>Internet access mode</b>	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
<b>Interface</b>	
<b>IPTV transparent transmission</b>	No
<b>Ethernet Interface</b>	
<b>PPPoE clients</b>	Yes
<b>Ethernet Switching</b>	
<b>IEEE 802.1Q VLAN</b>	Yes
<b>WLAN</b>	
<b>Maximum number of associated wireless clients</b>	64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled)
<b>Recommended number of associated wireless clients</b>	<ul style="list-style-type: none"> <li>● Support for IEEE 802.11ax and 160 MHz:           <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>94 (5 GHz)</li> <li>110 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> <li>● Support for IEEE 802.11ax and 80 MHz:           <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>64 (5 GHz)</li> <li>80 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> <li>● Support for IEEE 802.11ac:           <ul style="list-style-type: none"> <li>8 (2.4 GHz)</li> <li>32 (5 GHz)</li> <li>40 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> </ul>
<b>Maximum number of SSIDs</b>	8
<b>Radio-based client limiting</b>	Yes
<b>Layer 2 isolation</b>	Yes

# Software Specifications

Model	RG-RAP62-OD
OFDMA	Yes
WMM	Yes
DFS	Yes
MLO	No
4K-QAM	No
<b>Different SSIDs for the same VLAN</b>	Yes
<b>Enabling/Disabling MLO</b>	No
<b>AP load balancing</b>	Yes
<b>Beamforming</b>	Yes
<b>802.11k/v roaming</b>	Yes
<b>Fast transition (802.11r)</b>	Yes
<b>Layer 2 roaming</b>	Yes
<b>Layer 3 roaming</b>	Yes
<b>AI roaming</b>	Yes
<b>PSK authentication</b>	Yes
<b>Static allowlist</b>	Yes
<b>Adjusting the transmit power for beacon and probe frames</b>	Yes
<b>Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)</b>	Yes
<b>OWE (Enhanced Open)</b>	
<b>WPA3-SAE</b>	Yes
<b>WPA2-PSK/WPA3-SAE</b>	
<b>Number of blocklists and allowlists based on MAC addresses (single SSID)</b>	256
<b>Number of global blocklists/allowlists</b>	256

# Software Specifications

Model	RG-RAP62-OD
<b>Mesh management</b>	Yes
<b>AP Mesh</b>	Yes
<b>AP portal authentication</b>	Yes
<b>Maximum number of devices that can be managed</b>	300
<b>One-Click Network Optimization</b>	Yes
<b>Static blocklist</b>	Yes
<b>IP Service</b>	
<b>ARP binding</b>	Yes
<b>IPv4 ping</b>	Yes
<b>IPv6 ping</b>	Yes
<b>Traceroute</b>	Yes
<b>Static/Dynamic NAT</b>	Yes
<b>DHCP server</b>	Yes
<b>Authentication</b>	
<b>802.1X authentication</b>	Yes
<b>Network Management and Monitoring</b>	
<b>Wireless repeater mode</b>	Yes
<b>Web login information</b>	Single-device login address: 10.44.77.254 Network-wide login address: 10.44.77.253 Default password: admin
<b>Network-wide configuration and management</b>	Yes
<b>Ruijie Reyee App management</b>	Yes
<b>eWeb management</b>	Yes
<b>Ruijie Cloud management</b>	Yes
<b>SNMP</b>	Yes

## Software Specifications

Model	RG-RAP62-OD
<b>Configuration synchronization among the app, eWeb, and Ruijie Cloud</b>	Yes
<b>Displaying device information on Ruijie Cloud</b>	Yes

## Package Contents

Model	RG-RAP62-OD
<b>Package Contents</b>	
<b>Package Contents</b>	<ul style="list-style-type: none"><li>1 x AP</li><li>1 x Mounting bracket</li><li>1 x Cable tie</li><li>2 x Cross pan head screws (ST2.9 x 20 mm)</li><li>2 x Plastic expansion anchors ( <math>\phi</math> 5 x 24 mm)</li><li>1 x User Manual</li><li>1 x Warranty Card</li></ul>
<b>Accessories</b>	
<b>Power adapter</b>	No

**Ruijie** | Reyee

 **Redefine your easy network**



**Ruijie Networks Co., Ltd.**  
Official Website: <https://Reyee.Ruijie.com>