

RG-RAP62-OD

AX3000 Wi-Fi 6 Indoor/Outdoor Versatile Access Point

DATASHEET

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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
- Build-in Antennas for Customized Coverage Where Needed
- Tailored for Retail Businesses with Reyee AP Mesh, Standalone Portal, and AI Roaming Features

Highlight Features



Small But That Fine Wi-Fi

AX3000 Wi-Fi 6 Indoor/Outdoor Versatile Access Point

RG-RAP62-OD

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



Swimming Pool



Open Dining Area



Small and Medium Amphitheater



Corridor Wi-Fi



WiFi 6

5Ghz 2402 Mbps

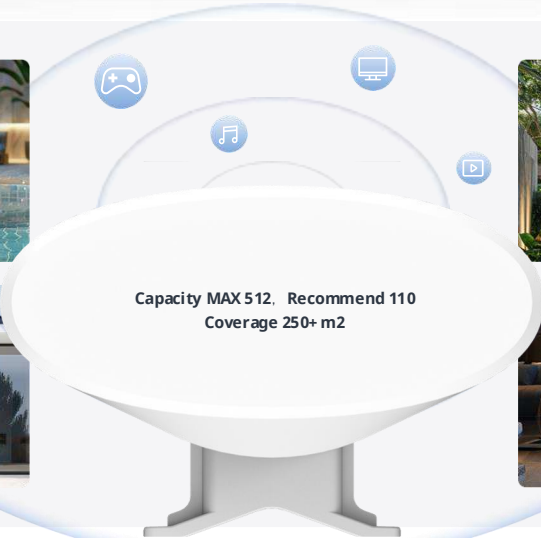
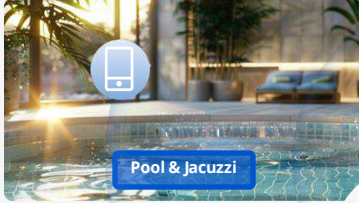
2.4Ghz 574 Mbps

Highlight Features

Featuring A Sleek Design for Deployment Indoors and Outside

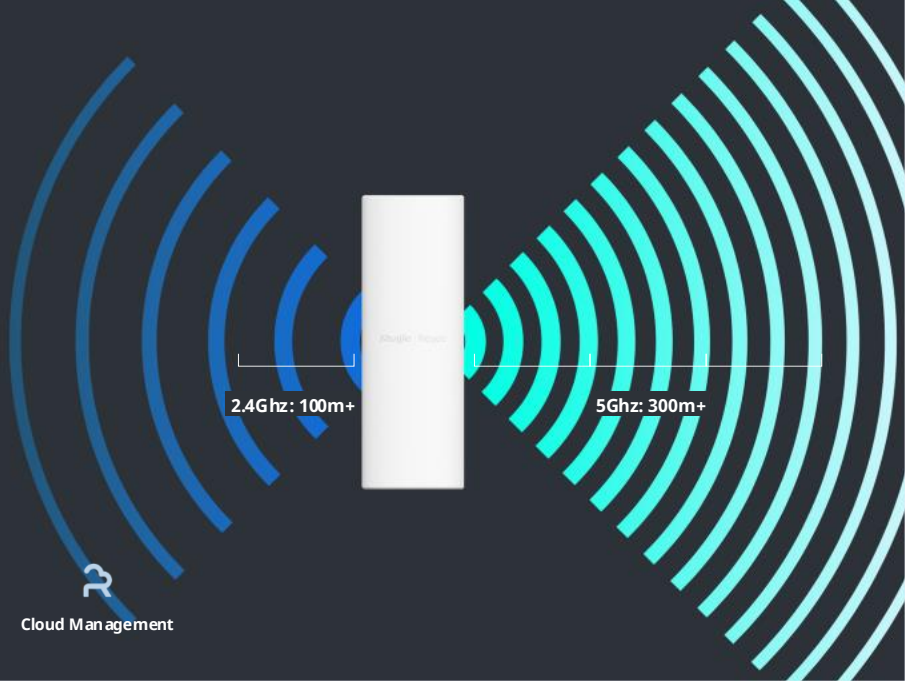
Fast & Stable Wi-Fi 6 Speeds
Ideal for Open Space Business
Outdoor Wi-Fi Coverage

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



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.

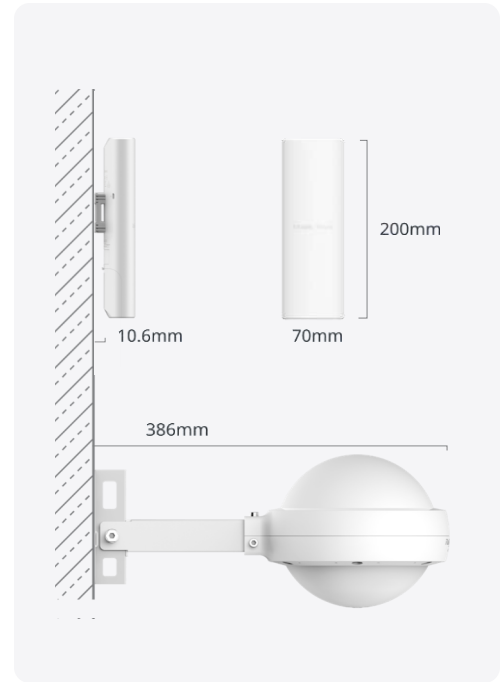


- Reyee Mesh
- IP65
- Smart Build-in Antennas
- Cloud Management

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 ± 0.625 (L/min)



Dust-Proof

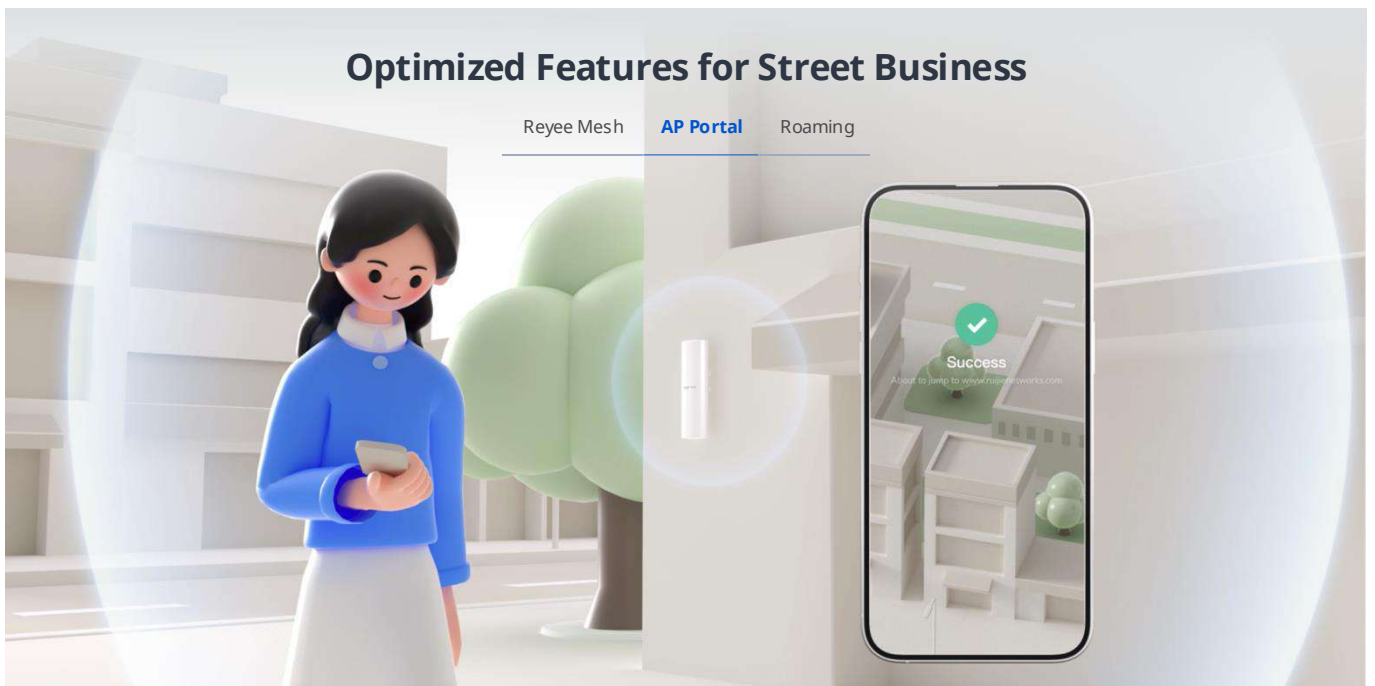
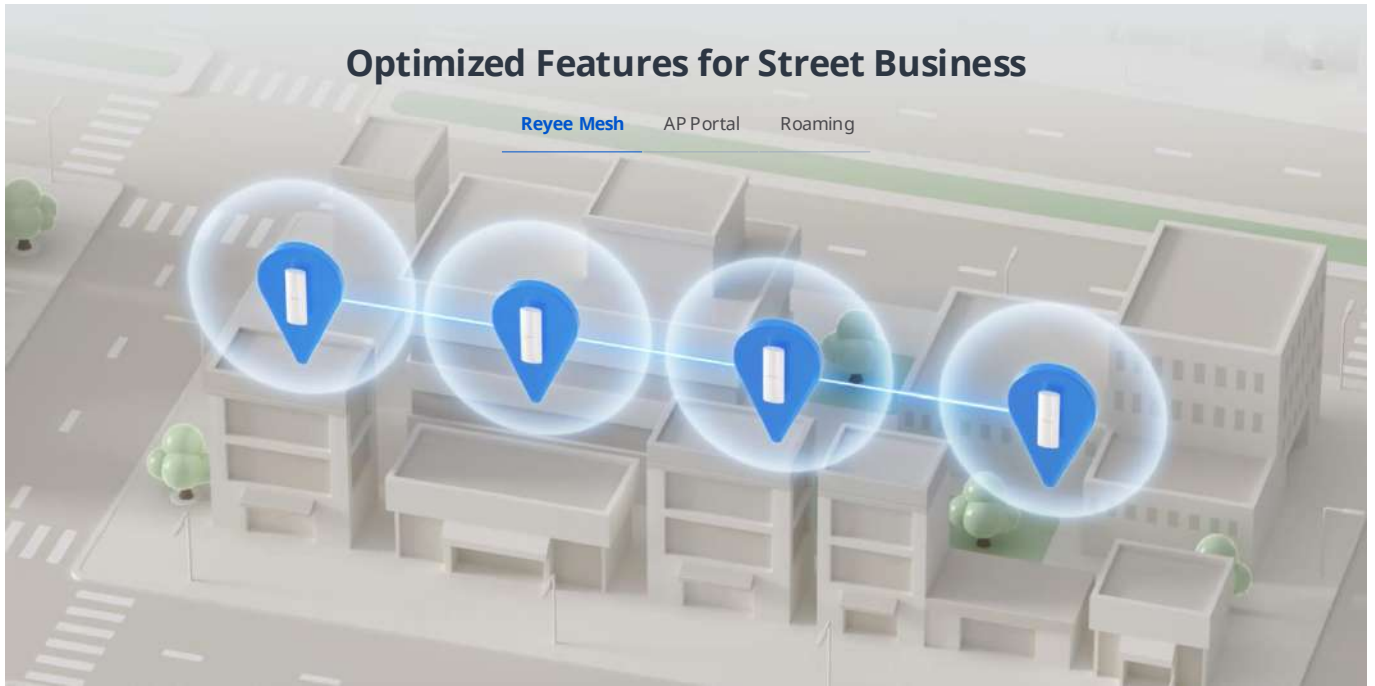
Highest Protection to prevent tiny dust into the inside of device



Surge-Protection

4kV Lightning Protection
15kV ESD Protection

Highlight Features

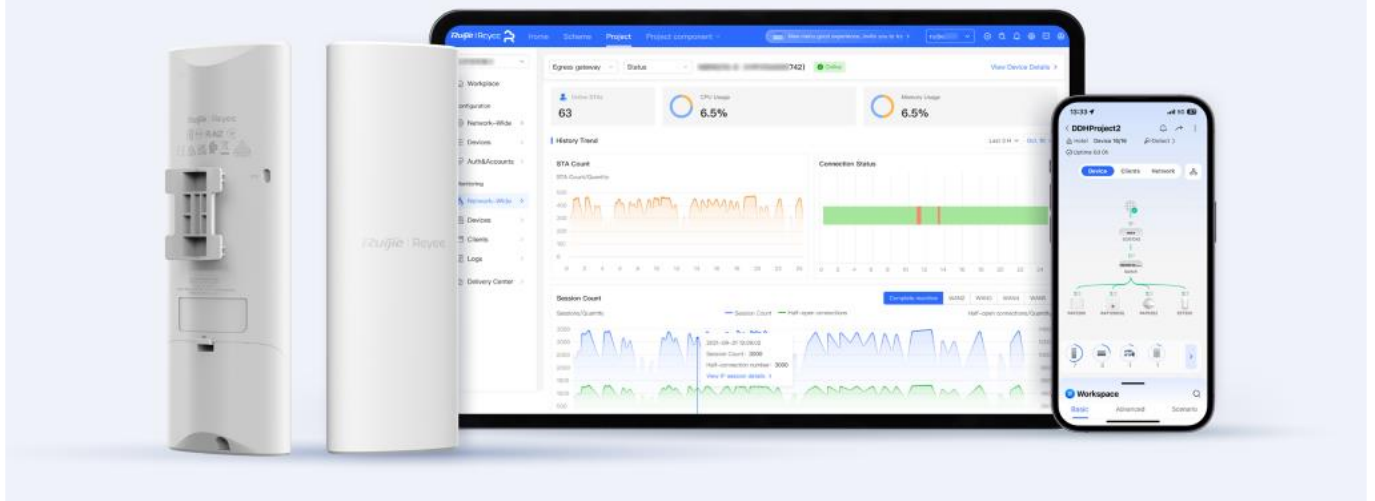


Highlight Features



Cloud, Make Your Business Easy

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



Specifications

Model		RG-RAP62-OD
Hardware Specifications		
Wi-Fi Protocols	5 GHz	Wi-Fi 4: IEEE 802.11a/b/g/n Wi-Fi 5: IEEE 802.11ac Wave 2 Wi-Fi 6: IEEE 802.11ax
	2.4 GHz	Wi-Fi 4: IEEE 802.11b/g/n Wi-Fi 6: IEEE 802.11ax
Operating Frequency Bands (country-specific restrictions apply)	5 GHz	5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz
	2.4 GHz	2.400 GHz to 2.4835 GHz
Spatial Streams	5 GHz	2 spatial streams, 2x2 MIMO
	2.4 GHz	2 spatial streams, 2x2 MIMO
Antenna	Omni-directional	Yes
	5 GHz Antenna Gain	6.5dBi
	2.4 GHz Antenna Gain	4.0dBi
Channel Width	5 GHz	Auto/20/40/80/160 MHz
	2.4 GHz	Auto/20/40 MHz
Data Rate	Max Throughput	2974Mbps
	5 GHz	2401Mbps
	2.4 GHz	573Mbps
Max. Transmit Power	5 GHz	≤200mW(23dBm)
	2.4 GHz	≤200mW(23dBm)
Wi-Fi Coverage	Optimal Coverage	150
	Max. Wi-Fi Coverage Range (6 GHz)	N/A
	Max. Wi-Fi Coverage Range (5 GHz)	300m
	Max. Wi-Fi Coverage Range (2.4 GHz)	100m

Specifications

Model		RG-RAP62-OD
Hardware Specifications		
Modulation	Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA
Receiver Sensitivity	Receiver Sensitivity	11b: -91dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(54Mbps) 11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15) 11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9) 11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9) 11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9) 11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11) 11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11) 11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11)
Dimensions (W x D x H)	Dimensions (excluding mounting kits)	200 mm x 70 mm x 35 mm (7.87 in. x 2.76 in. x 1.38 in.)
Weight	excluding mounting kits	≤ 0.4 kg (0.88 lbs.)
Service Ports	Number of 10/100/1000BASE-T Ports	1 (supports 802.3at PoE)
	Number of 10/100/1000/2500BASE-T Ports	0
	Number of 100/1000/2.5G/5G/10GBASE-T Ethernet Ports	0
Power Supply	DC(Local Power)	No
	DC Port Dimensions	No
	802.3af	Yes
	802.3at	Yes
	802.3bt	N/A
	48 V passive PoE	Yes

Specifications

Model		RG-RAP62-OD
Hardware Specifications		
PoE Out	Max. PoE Wattage by PSE	No
Power Consumption	Power Consumption	< 16 W
Power Adapter	Power Adapter	No
Buttons	Button	1 × Factory reset
LEDs	LEDs	1 × System LED indicator
Environment	Operating Temperature	-30°C to +65°C (-22°F to +149°F)
	Storage Temperature	-40°C to +75°C (-40°F to +167°F)
	Operating Humidity	5% to 95% (non-condensing)
	Storage Humidity	5% to 95% (non-condensing)
Mounting	Ceiling-mount	No
	Wall-mount	Yes
	Pole-mount	Yes
Compliance Standards	Health	EN IEC 62311:2020
	Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1
Weatherproof	IP Rating	IP65
	Lightning Protection/Surge	±4 kV

Specifications

Model		RG-RAP62-OD
Software Specifications		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes
WLAN	Recommended Number of Clients	BW160 11AX : 16(2.4G)+94(5G)=110 BW80 11AX : 16(2.4G)+64(5G)=80 11AC : 8(2.4G)+32(5G)=40
	Max. Number of SSIDs	8
	Radio-based STA Limit	Yes
	Layer 2 Client Isolation	Yes
	OFDMA Subcarrier	Yes
	OFDMA	Yes
	Target Wake Time (TWT)	No
	Wi-Fi Multimedia (WMM)	Yes
	802.1Q VLAN	Yes
	Multi-Link Operation (MLO)	No
	4K-QAM	No
	Same SSID for Different VLANs	Yes
	Roaming	802.11k/v
802.11r		Yes
Layer 2 Roaming		Yes
Layer 3 Roaming		Yes
AI Roaming		Yes
Security	PSK Authentication	Yes
	Static Blocklist and Allowlist	Yes

Specifications

Model	RG-RAP62-OD	
Software Specifications		
Security	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes
	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
	DHCP Snooping	Yes
	802.1X	Yes
	ARP Check	No
	IP Source Guard	No
	LLDP	No
	Static ARP Binding	Yes
	Proxy ARP	No
	Ping	Yes
	Traceroute	Yes
Routing	NAT	Yes
	Static IP Address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
AP Mesh	Mesh Management	Yes
	Reyee Mesh	Yes
Standalone Portal	Captive Portal	Yes
	Bandwidth Limit	Yes
	Data Quota	No

Specifications

Model		RG-RAP62-OD
Software Specifications		
Management and Maintenance	Default Access/Password	Yes
	No. of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	Yes
	Local or Remote Management via Ruijie Reyee App	Yes
	Local Management via the Web Interface	Yes
	Remote Management via Ruijie Cloud	Yes
	SNMP	Yes
Platform Management Features	Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed.	Yes
	Unified Configuration via Ruijie Cloud	Yes
	Unified Monitoring via Ruijie Cloud	Yes

Specifications

Model		RG-RAP62-OD
Others		
Flash	Flash	128MB
Memory	Memory	512MB
Color of AP Enclosure	Color of AP Enclosure	Warm White

Ruijie | Reyee

Redefine your easy network

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