

Wi-Fi 6 Outdoor Omnidirectional Access Point AX3000 802.11ax Dual-band 2.97 Gbps RG-RAP62-OD



The RG-RAP62-OD is a Wi-Fi 6 indoor/outdoor dual-band omnidirectional access point designed for use in scenarios such as villas, homes, retail spaces, and many suitable outdoor applications to provide high-speed Wi-Fi to multiple end users. The RG-RAP62-OD can simultaneously work in the 2.4GHz and 5GHz frequency bands, providing up to 2.97 Gbps speeds and supporting dual-band MIMO. The RG-RAP62-OD supports Reyee Mesh for simple wireless network expansion in difficult-to-cable scenarios.

3-Year Manufacturer's Warranty

For full terms & conditions, please see – [Ruijie Warranty T&Cs](#).

Features and Benefits

- » Compact and discrete outdoor high-range WiFi-6 (802.11ax) supporting speeds up to 2974 Mbps (Concurrent high-speed wireless access of 574 Mbps at 2.4GHz and 2402 Mbps at 5GHz)
- » IP65 is rated for outdoor use and can be mounted to wall surfaces with a supplied bracket or pole mounted for flexible installation.
- » Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimizing and maintenance on Ruijie Cloud App.
- » Featuring maximum Wi-Fi coverage range of 100m+ for 2.4GHz and 300m+ for 5GHz
- » Perfect for use in outdoor settings like backyards, BBQ areas, caravan parks, villas, town centres, sports grounds and parks etc
- » Professional built-in antennas equipped with enterprise-grade high-gain amplifiers utilizing Wi-Fi 6 technology
- » No cable, no problem, easily install extra APs using Reyee Mesh technology.





Hardware Specifications

5 GHz Wi-Fi Protocols	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 Protocols	Wi-Fi 4: IEEE 802.11b/g/n Wi-Fi 6: IEEE 802.11ax
5 GHz Operating Frequency Bands	5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz
2.4 GHz Operating Frequency Bands	2.400 GHz to 2.4835 GHz
5 GHz Spatial Streams	2 spatial streams, 2x2 MIMO
2.4 GHz Spatial Streams	2 spatial streams, 2x2 MIMO
Omni-directional	Yes
5 GHz Antenna Gain	6.5dBi
2.4 GHz Antenna Gain	4.0dBi
5 GHz Channel Width	Auto/20/40/80/160 MHz
2.4 GHz Channel Width	Auto/20/40 MHz
Wireless Data Rates	2974Mbps
Wireless Data Rate (5 GHz)	2401Mbps
Wireless Data Rate (2.4 GHz)	573Mbps
5 GHz Max. Transmit Power	≤200mW(23dBm)
2.4 GHz Max. Transmit Power	≤200mW(23dBm)
Optimal Coverage	No
Max. Wi-Fi Coverage Range (6 GHz)	No
Max. Wi-Fi Coverage Range (5 GHz)	300m

Hardware Specifications (continued)

Max. Wi-Fi Coverage Range (2.4 GHz)	100m
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	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)



Hardware Specifications (continued)

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.)
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
Number of 1 Gbps Optical Ports (SFP)	0
Number of 10 Gbps Optical Ports (SFP+)	0
DC (Local Power)	No
DC Port Dimensions	No
802.3af	Yes
802.3at	Yes
802.3bt	No
48 V passive PoE	Yes
Max. PoE Wattage by PSE	No
Power Consumption	< 16 W
Power Adapter	No
Button	1 × Factory reset
LEDs	1 × System LED indicator

Hardware

Operating Temperature	-30°C to +65°C (-22°F to +149°F)
Storage Temperature	-40°C to +75°C (-40°F to +167°F)

Hardware (continued)

Operating Humidity	5% to 95% (non-condensing)
Storage Humidity	5% to 95% (non-condensing)
Ceiling-mount	No
Wall-mount	Yes
Pole-mount	Yes
Health	EN IEC 62311:2020
Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1
IP Rating	IP65

Software

Router mode	Yes
AP Mode	Yes
Max. 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
802.11k/v	Yes
802.11r	Yes
Layer 2 Roaming	Yes

Software (continued)

Layer 3 Roaming	Yes
AI Roaming	Yes
PSK Authentication	Yes
Static Blocklist and Allowlist	Yes
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
Static ARP Binding	Yes
Proxy ARP	No
Ping	Yes
Traceroute	Yes
NAT	Yes
Static IP Address	Yes
DHCP Server	Yes
PPPoE Client PPPoE Dial-up	Yes
Mesh Management	Yes
Reyee Mesh	Yes
Captive Portal	Yes
Bandwidth Limit	Yes
Data Quota	No
Default Access/Password	Yes
No. of APs on a Self-Organizing Network	300

Software (continued)

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
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

Others

Flash	128MB
Memory	512MB
Color of AP Enclosure	Warm White