

**Wi-Fi 5 Outdoor Omnidirectional
Access Point AC1300
802.11ac Dual-bands 1.3 Gbps
RG-RAP6202(G)**



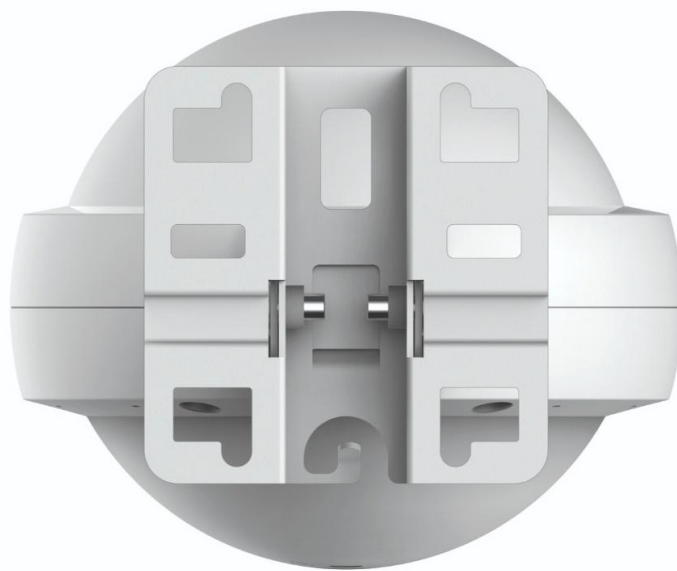
The RG-RAP6202(G) Wi-Fi 5 outdoor omnidirectional access point is a high-power, dual-band solution designed for caravan parks, town centres, villas, parks, scenic areas and other outdoor applications. It delivers combined wireless speeds up to 1.266 Gbps across the 2.4 GHz and 5 GHz bands, with dual-stream MIMO for reliable multi-user connectivity. IP68 protection, long-range coverage and Reyee Mesh ensure dependable performance in harsh outdoor environments.

3-Year Manufacturer's Warranty

For full terms & conditions, please see – Ruijie Warranty T&Cs.

Features and Benefits

- » Wi-Fi 5 dual-band performance delivers combined wireless speeds up to 1.266 Gbps for fast, reliable outdoor connectivity.
- » Dual-band, dual-stream MIMO improves network efficiency and supports up to 80 recommended simultaneous users.
- » Supports 802.11a/b/g/n/ac standards, providing broad compatibility with older and newer wireless devices.
- » Lifetime-free Ruijie Cloud management enables remote monitoring, optimisation and maintenance through the Ruijie Reyee App.
- » Features two Gigabit Ethernet ports with PoE/PoE+ or 12V DC power options, providing flexible installation and reliable connectivity.
- » IP68 weather protection, long-range omnidirectional coverage and wall or pole mounting make it ideal for caravan parks, town centres, parks and other outdoor areas.



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Specifications

Hardware Specifications

Wi-Fi Radio

6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n)
Operating band	IEEE 802.11b/g/n, 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac, 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, MIMO • 5 GHz: 2 x 2, MIMO
FEM	2.4 GHz: 2 x eFEM 5 GHz: 2 x eFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	1266 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	866 Mbps
2.4 GHz wireless data rate	400 Mbps

Wi-Fi Radio (continued)

Maximum transmit power	Frequency bands and maximum Effective Isotropic Radiated Power (EIRP): Note: Country specific restrictions apply. European Union & United Kingdom: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5470-5725 MHz, EIRP ≤ 30 dBm United States: 2400-2483.5 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5150-5250 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5250-5350 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5470-5725 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5725-5850 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm Myanmar: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Thailand: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Indonesia: 2400-2483.5 MHz, EIRP ≤ 36 dBm 5725-5825 MHz, EIRP ≤ 36 dBm Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm Vietnam: 2400-2483.5 MHz, EIRP ≤ 23 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5850 MHz, EIRP ≤ 30 dBm
Maximum transmit power (6 GHz)	No
Maximum transmit power (5 GHz)	Combined power: 30 dBm (single-stream power: 27 dBm) Note: The transmit power varies according to regulations in different countries and regions.

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Wi-Fi Radio (continued)

Maximum transmit power (2.4 GHz)	Combined power: 29 dBm (single-stream power: 26 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Coverage range	5 GHz max: 400 m (1312.34 ft.) 2.4 GHz max: 150 m (492.13 ft.) 5 GHz recommended: 200 m (656.17 ft.) 2.4 GHz recommended: 50 m (164.04 ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
Modulation	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
Receive sensitivity	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)

Antenna

Antenna	2.4 GHz: 2 built-in omnidirectional antennas 5 GHz: 2 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No

Antenna (continued)

Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.00 dBi
Antenna gain (2.4 GHz)	3.00 dBi

Dimensions and Weight

Product dimensions (diameter x height)	Ø200 mm x 166 mm (Ø7.87 in. x 6.54 in.) (spherical device, excluding the mounting bracket)
Color	White
Weight	≤ 1 kg (2.20 lbs.) (without packaging materials)
Shipping weight	≤ 2.73 kg (6.02 lbs.)

Port Specifications

Number of 10/100/1000BASE-T ports	2
Reset button	1
LEDs	1 x system status LED 1 x Wi-Fi LED 2 x Ethernet port LEDs

Power Supply and Consumption

Power supply	- DC power adapter - PoE/PoE+ Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred.
Local power supply	Yes, one DC power connector (12 V, 1.5 A)
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.)
PoE In standard	- IEEE 802.3af (PoE) - IEEE 802.3at (PoE+)
PoE budget	No
Maximum power consumption	12.95 W

Environment and Reliability

Operating temperature	-30°C to +65°C (-22°F to +149°F)
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Environment and Reliability (continued)

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	IP68
Surge protection	Ethernet port: ±4 kV for common mode
MTBF	250,000 hours

Certification and Regulatory Compliance

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 300328 EN 301893 EN 300440
Certification	CE, FCC, CB, ISED, cTUVus

System Specifications

Flash memory	16 MB
RAM	128 MB DDR3

Software Specifications

Basic Configurations

AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE

Interface

IPTV transparent transmission	No
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Ethernet Interface

PPPoE clients	Yes
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Ethernet Switching

IEEE 802.1Q VLAN	Yes
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WLAN

Maximum number of associated wireless clients	64 (2.4 GHz) 110 (5 GHz) 110 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	16 (2.4 GHz) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes
OFDMA	No
WMM	Yes
DFS	Yes
MLO	No
4K-QAM	No
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	No
AP load balancing	No
Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes
OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	No

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WLAN (continued)

Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	No
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blocklist	Yes

IP Service

ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	No
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	No

Authentication

802.1X authentication	Yes
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Network Management and Monitoring

Wireless repeater mode	Yes
Web login information	Single-device login address: 10.44.77.254 Network-wide login address: 10.44.77.253 Default password: admin
Network-wide configuration and management	Yes
Ruijie Reyee App management	Yes
eWeb management	Yes
Ruijie Cloud management	Yes

Network Management and Monitoring (continued)

SNMP	No
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

Package Contents

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Package Contents	1 x AP 2 x Pole clamps 1 x Mounting bracket 4 x Expansion anchors (M8 x 60 mm) 2 x Internal/External hex machine screws (M8 x 20 mm) 2 x Cable glands (pre-installed) 1 x Connecting rod (pre-installed) 1 x User Manual 1 x Warranty Card
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Accessories

Power adapter	No
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