

# RG-RAP6262(G)

## Wi-Fi 6 AX1800 Outdoor Omni-directional Access Point



### Highlights

- 'UFO' design, a perfect blend of Wi-Fi 6 technology and artwork
- IP68 protection, rock-solid in harsh environments
- Omni-directional coverage with long range
- Easily add extra outdoor Wi-Fi with Reyee Mesh
- Rack-separated mounting design, easily installation on high

## Highlight Features

A Perfect Blend of Wi-Fi 6 Technology and Artwork



WiFi 6  
1775Mbps

'UFO' Design

Reyee Mesh  
Technology

Free Cloud  
Management

### Rock-solid in Harsh Environments

Adopts completely sealed, waterproof, dustproof, moisture proof and flame-retardant, wind erosion protection, Wide Temperature range, and 4kV surge protection design.



IP68  
Protection

4kV Lighting  
Protection

Wind Erosion  
Protection

-30°C ~ 65°C  
Flame-Retardant

## Omni-directional Coverage with Long Range

Built-in 4 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz\*.

\*The maximum range of Wi-Fi coverage is calculated based on field tests. The real transmission range may vary, according to the environment, receiving device, etc.

## Easily Add Extra Outdoor Wi-Fi with Reyee Mesh

Less wiring, more relaxing

WIFI6

WIFI6

# Highlight Features



## Product Information

Model	RG-RAP6262(G)
Product Type	Outdoor AP

## Hardware Specifications

Model	RG-RAP6262(G)
<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: 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	1774 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	1201 Mbps
2.4 GHz wireless data rate	573 Mbps

# Hardware Specifications

Model	RG-RAP6262(G)
<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>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: 28 dBm (single-stream power: 25 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: 29 dBm (single-stream power: 26 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p> <p>5 GHz max: 400 m (1312.34 ft.)</p> <p>2.4 GHz max: 150 m (492.13 ft.)</p> <p>5 GHz recommended: 200 m (656.17 ft.)</p> <p>2.4 GHz recommended: 50 m (164.04 ft.)</p>
<b>Coverage range</b>	<p>Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.</p>
<b>Modulation</b>	<p>OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps</p> <p>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps</p> <p>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and</p>

# Hardware Specifications

Model	RG-RAP6262(G)
	1024-QAM OFDMA
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) 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>	
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 gain (6 GHz)	No
Antenna gain (5 GHz)	3.00 dBi
Antenna gain (2.4 GHz)	3.00 dBi
<b>Dimensions and Weight</b>	
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	≤ 1.2 kg (2.65 lbs.) (without packaging materials)
Shipping weight	≤ 2.94 kg (6.48 lbs.)
<b>Port Specifications</b>	
Number of 10/100/1000BASE-T ports	2
Reset button	1

# Hardware Specifications

Model	RG-RAP6262(G)
LEDs	1 x system status LED 1 x Wi-Fi LED 2 x Ethernet port LEDs
<b>Power Supply and Consumption</b>	
Power supply	<ul style="list-style-type: none"><li>DC power adapter</li><li>PoE+</li></ul> <p>Note: If both the DC power adapter and PoE+ are available for power supply, the DC power adapter is preferred.</p>
Local power supply	Yes, one DC power connector (12 V, 2 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 802.3at (PoE+)
PoE budget	No
Maximum power consumption	18 W
<b>Environment and Reliability</b>	
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	IP68
Surge protection	Ethernet port: $\pm 4$ kV for common mode
MTBF	250,000 hours
<b>Certification and Regulatory Compliance</b>	
RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032 EN 55035 EN 61000-3-3

# Hardware Specifications

Model	RG-RAP6262(G)
	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, CB
System Specifications	
Flash memory	16 MB
RAM	256 MB DDR3

# Software Specifications

Model	RG-RAP6262(G)
<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) 256 (5 GHz) 256 (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: 16 (2.4 GHz) 84 (5 GHz)</li> <li>100 (2.4 GHz and 5 GHz enabled)</li> <li>● Support for IEEE 802.11ac: 16 (2.4 GHz) 64 (5 GHz)</li> <li>80 (2.4 GHz and 5 GHz enabled)</li> </ul>
<b>Maximum number of SSIDs</b>	8
<b>Radio-based client limiting</b>	Yes
<b>Layer 2 isolation</b>	Yes
<b>OFDMA</b>	Yes
<b>WMM</b>	Yes

# Software Specifications

Model	RG-RAP6262(G)
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	Yes
WPA2-PSK/WPA3-SAE	
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256
Mesh management	Yes
AP Mesh	Yes

# Software Specifications

Model	RG-RAP6262(G)
<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
<b>Configuration synchronization among the app, eWeb, and Ruijie Cloud</b>	Yes

## Software Specifications

Model	RG-RAP6262(G)
Displaying device information on Ruijie Cloud	Yes

## Package Contents

Model	RG-RAP6262(G)
<b>Package Contents</b>	
<b>Package Contents</b>	<ul style="list-style-type: none"><li>1 x AP</li><li>2 x Pole clamps</li><li>1 x Mounting bracket</li><li>4 x Expansion anchors (M8 x 60 mm)</li><li>2 x Internal/External hex machine screws (M8 x 20 mm)</li><li>2 x Cable glands (pre-installed)</li><li>1 x Connecting rod (pre-installed)</li><li>1 x User Manual</li><li>1 x Warranty Card</li></ul>
<b>Accessories</b>	
<b>Power adapter</b>	No

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