

# RG-RAP2260(G)

## Reyee Wi-Fi 6 AX1800 Ceiling Access Point



### Highlights

- Build ultra-fast network with Wi-Fi 6 technology.
- Client connections over 500, better multi-user experience.
- Provide higher practical performance for users as well.
- Easily install extra AP with Reyee Mesh technology.
- Set up Wi-Fi 6 network in 3 minutes with Ruijie Cloud APP.

# Highlight Features

## Easily Build Your Ultra-fast Wi-Fi 6 Network

Interface

Installation



## Easily Build Your Ultra-fast Wi-Fi 6 Network

Interface

Installation



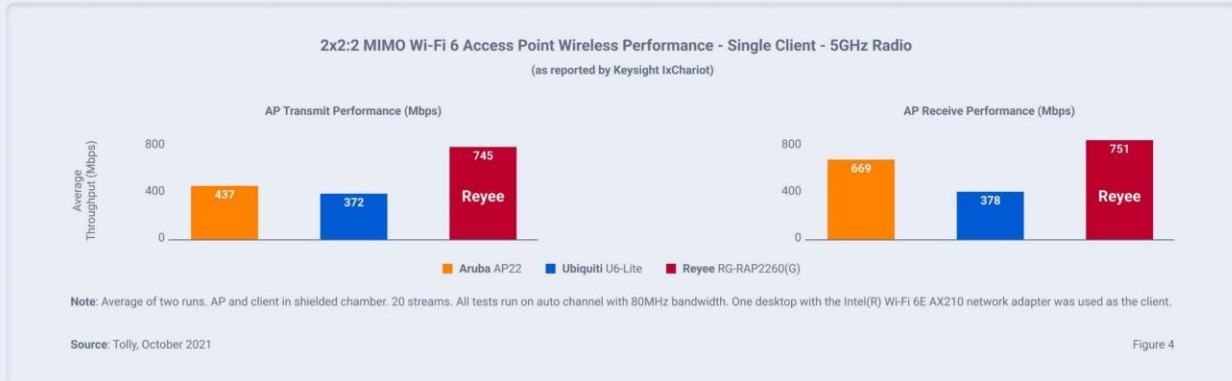
# Highlight Features

## Provide Higher Practical Performance for Users

Reyee RG-RAP2260(G) 2x2:2 MIMO AP's 5GHz radio delivered transmit throughput of 745Mbps and receive throughput of 751Mbps - up to 100% higher than the Ubiquiti U6-Lite AP and the Aruba AP22 AP.\*



\* Source: Tolly Test Report #3981468, October 2021



## Better Multi-User Experience in High-Density Scenarios

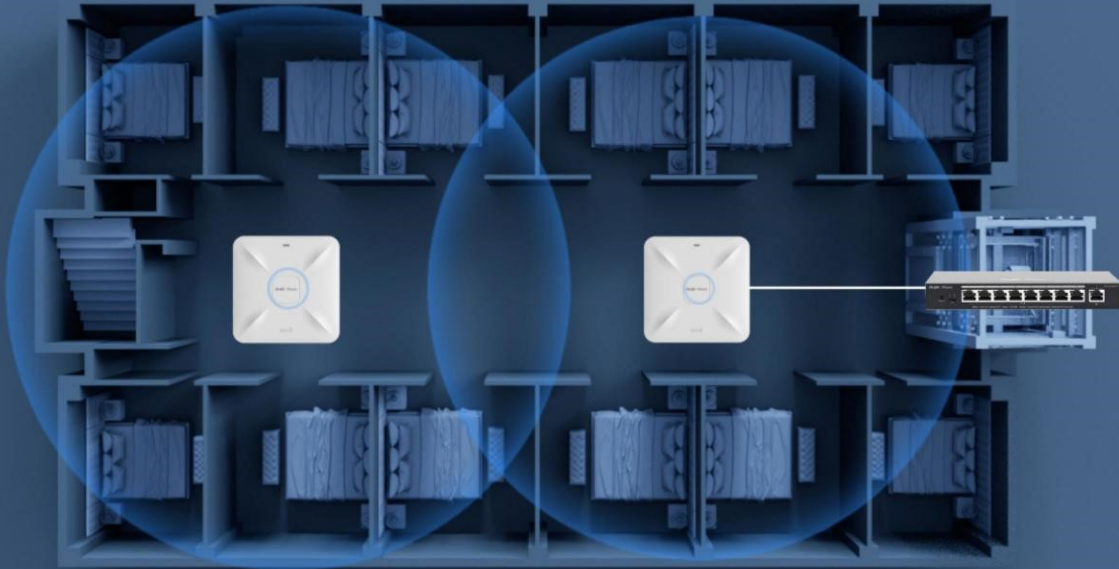
Performance upgraded, support client connections over 500.



## Highlight Features

### Easily Install Extra AP with Reye Mesh

Less wiring, more relaxing.



### Easily Set Up Your Wi-Fi 6 Network in 3 Minutes

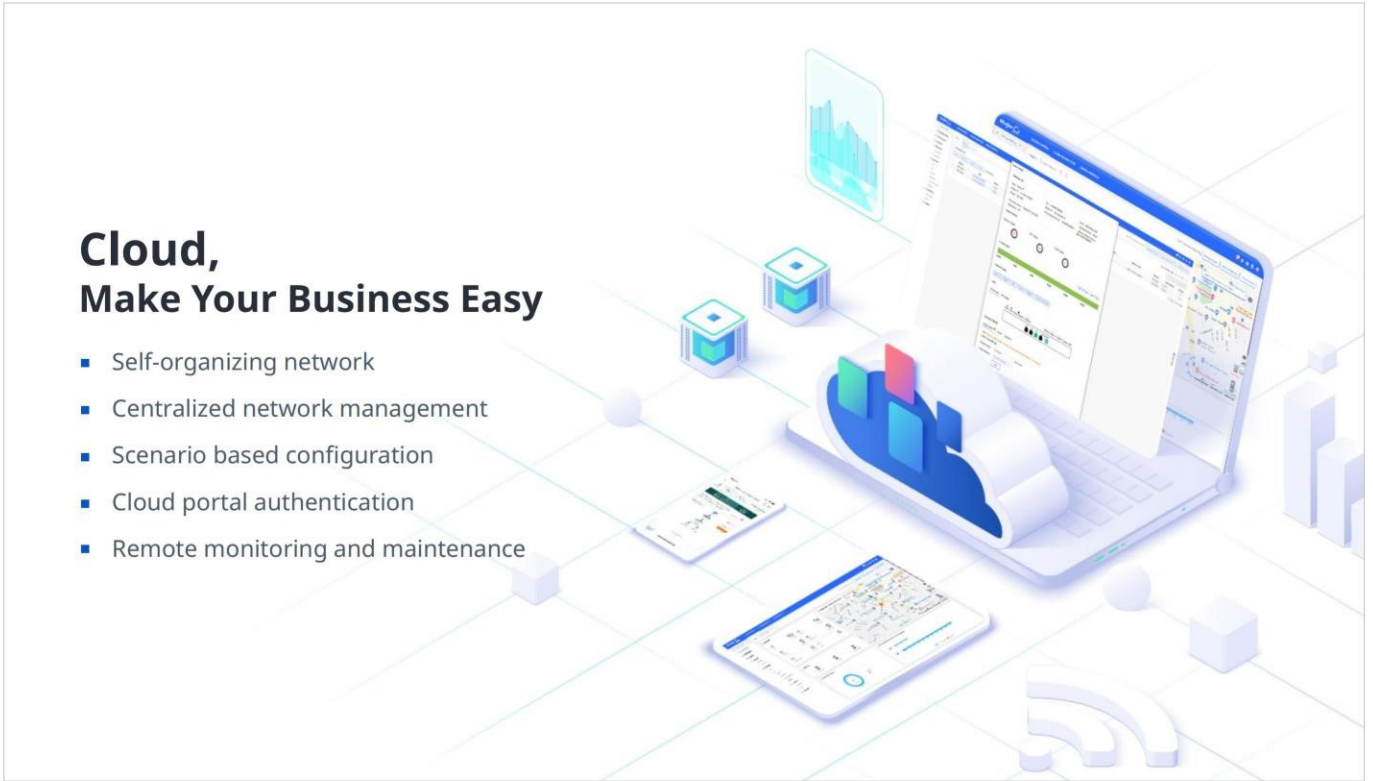
With SON (Self-organizing Network) technology, easily set up a whole Wi-Fi network by Ruijie Cloud APP.



## Highlight Features

### **Cloud, Make Your Business Easy**

- Self-organizing network
- Centralized network management
- Scenario based configuration
- Cloud portal authentication
- Remote monitoring and maintenance



## / Product Information

Model	RG-RAP2260(G)
Product Type	Ceiling AP

## / Hardware Specifications

Model	RG-RAP2260(G)
<b>Wi-Fi Radio</b>	
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-RAP2260(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:            2400–2483.5 MHz, EIRP ≤ 20 dBm            5150–5350 MHz, EIRP ≤ 23 dBm            5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar:            2400–2483.5 MHz, EIRP ≤ 23 dBm            5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:            2400–2483.5 MHz, EIRP ≤ 20 dBm            5150–5350 MHz, EIRP ≤ 23 dBm            5470–5725 MHz, EIRP ≤ 30 dBm            5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia:            2400–2483.5 MHz, EIRP ≤ 27 dBm            5150–5350 MHz, EIRP ≤ 23 dBm            5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:            2400–2483.5 MHz, EIRP ≤ 20 dBm            5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>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</p>
<b>Maximum transmit power (6 GHz)</b>	No
<b>Maximum transmit power (5 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>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>120 m<sup>2</sup> (1291.67 square ft.)</p> <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-RAP2260(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 (W x D x H)	194 mm x 194 mm x 35 mm (7.64 in. x 7.64 in. x 1.38 in.) (excluding the mounting bracket)
Color	White
Weight	≤ 0.55 kg (1.21 lbs.) (without packaging materials)
Shipping weight	≤ 0.83 kg (1.83 lbs.)
<b>Port Specifications</b>	
Number of 10/100/1000BASE-T ports	2
Reset button	1
LEDs	1 x system status LED

# Hardware Specifications

Model	RG-RAP2260(G)
<b>Power Supply and Consumption</b>	
Power supply	<ul style="list-style-type: none"> <li>• DC power adapter</li> <li>• PoE/PoE+</li> </ul> <p>Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred.</p>
Local power supply	Yes, one DC power connector (12 V, 1.5 A)
Dimensions of the DC connector	<p>Outer diameter: 5.5 mm (0.22 in.)</p> <p>Inner diameter: 2.1 mm (0.08 in.)</p> <p>Depth: 10 mm (0.39 in.)</p>
PoE In standard	<ul style="list-style-type: none"> <li>• IEEE 802.3af (PoE)</li> <li>• IEEE 802.3at (PoE+)</li> </ul>
PoE budget	No
Maximum power consumption	15.5 W
<b>Environment and Reliability</b>	
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Operating humidity	5% RH to 95% RH (non-condensing)
Storage humidity	5% RH to 95% RH (non-condensing)
Mounting options	Ceiling/Wall
IP rating	IP41
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
<b>Certification and Regulatory Compliance</b>	
RoHS	Yes
Safety compliance	EN 62368-1
EMC	<p>EN 55032</p> <p>EN 55035</p> <p>EN 61000-3-3</p> <p>EN 61000-3-2</p> <p>EN 301489-1</p>

# / Hardware Specifications

Model	RG-RAP2260(G)
	EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440
Certification	CE, CB
<b>System Specifications</b>	
Flash memory	16 MB
RAM	256 MB DDR3

# Software Specifications

Model	RG-RAP2260(G)
<b>Basic Configurations</b>	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
<b>Interface</b>	
IPTV transparent transmission	No
<b>Ethernet Interface</b>	
PPPoE clients	Yes
<b>Ethernet Switching</b>	
IEEE 802.1Q VLAN	Yes
<b>WLAN</b>	
Maximum number of associated wireless clients	64 (2.4 GHz) 256 (5 GHz) 256 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	<ul style="list-style-type: none"> <li>● Support for IEEE 802.11ax:               <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>84 (5 GHz)</li> </ul> </li> <li>100 (2.4 GHz and 5 GHz enabled)               <ul style="list-style-type: none"> <li>● Support for IEEE 802.11ac:                   <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>64 (5 GHz)</li> </ul> </li> <li>80 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> </ul>
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes
OFDMA	Yes
WMM	Yes

## Software Specifications

Model	RG-RAP2260(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-RAP2260(G)
AP portal authentication	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blocklist	Yes
<b>IP Service</b>	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
<b>Authentication</b>	
802.1X authentication	Yes
<b>Network Management and Monitoring</b>	
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
SNMP	Yes

## Software Specifications

Model	RG-RAP2260(G)
<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-RAP2260(G)
<b>Package Contents</b>	
<b>Package Contents</b>	1 x AP 1 x Mounting bracket 2 x Cross pan head screws (ST4.2 x 20 mm) 2 x Plastic expansion anchors ( $\phi$ 9 x 25.4 mm) 1 x User Manual 1 x Warranty Card
<b>Accessories</b>	
<b>Power adapter</b>	No

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**Ruijie Networks Co., Ltd.**

Official Website: <https://Reyee.Ruijie.com>