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

1775 Mbps

WIFI 6

| WiFi6 AX1800 Wi-Fi 6 | Extremely Low Latency | High-capacity High-speed | Reyee Mesh Technology | Free Cloud Management |

Easily Build Your Ultra-fast Wi-Fi 6 Network

Interface   Installation

WIFI 6

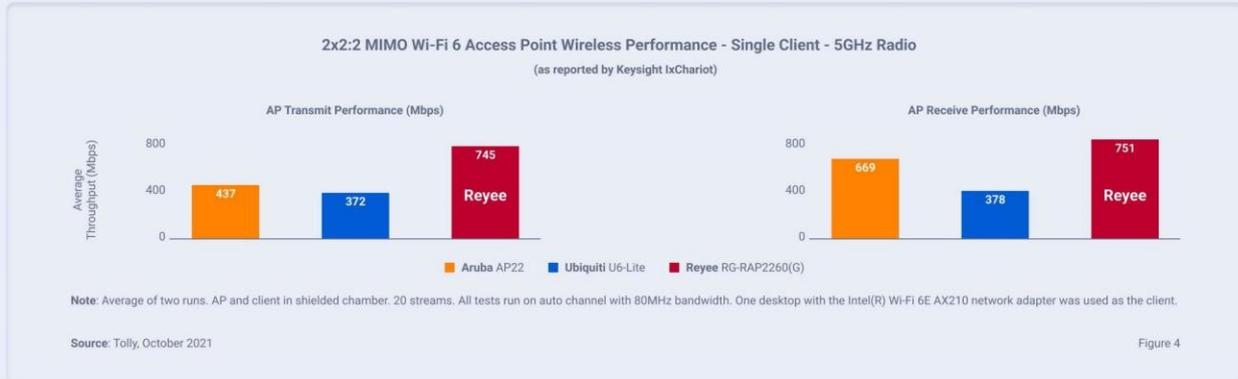| WiFi6 AX1800 Wi-Fi 6 | Extremely Low Latency | High-capacity High-speed | Reyee Mesh Technology | Free Cloud Management |

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.*

TEST REPORT
Tolly.

* Source: Tolly Test Report #211153 October 2021

2x2:2 MIMO Wi-Fi 6 Access Point Wireless Performance - Single Client - 5GHz Radio
(as reported by Keysight IxChariot)

AP Transmit Performance (Mbps)

	Aruba AP22	Ubiquiti U6-Lite	Reyee RG-RAP2260(G)
Average Throughput (Mbps)	437	372	745 (Reyee)

AP Receive Performance (Mbps)

	Aruba AP22	Ubiquiti U6-Lite	Reyee RG-RAP2260(G)
	669	378	751 (Reyee)

■ **Aruba** AP22 ■ **Ubiquiti** U6-Lite ■ **Reyee** RG-RAP2260(G)

Note: Average of two runs. AP and client in shielded chamber. 20 streams. All tests run on auto channel with 80MHz bandwidth. One desktop with the Intel(R) Wi-Fi 6E AX210 network adapter was used as the client.

Source: Tolly, October 2021

Figure 4

Better Multi-User Experience in High-Density Scenarios
Performance upgraded, support client connections over 500.

Users **500**

4x4 MU-MIMO

5G

2.4G

Ruijie Reyee

Wi-Fi 6

Highlight Features

Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.
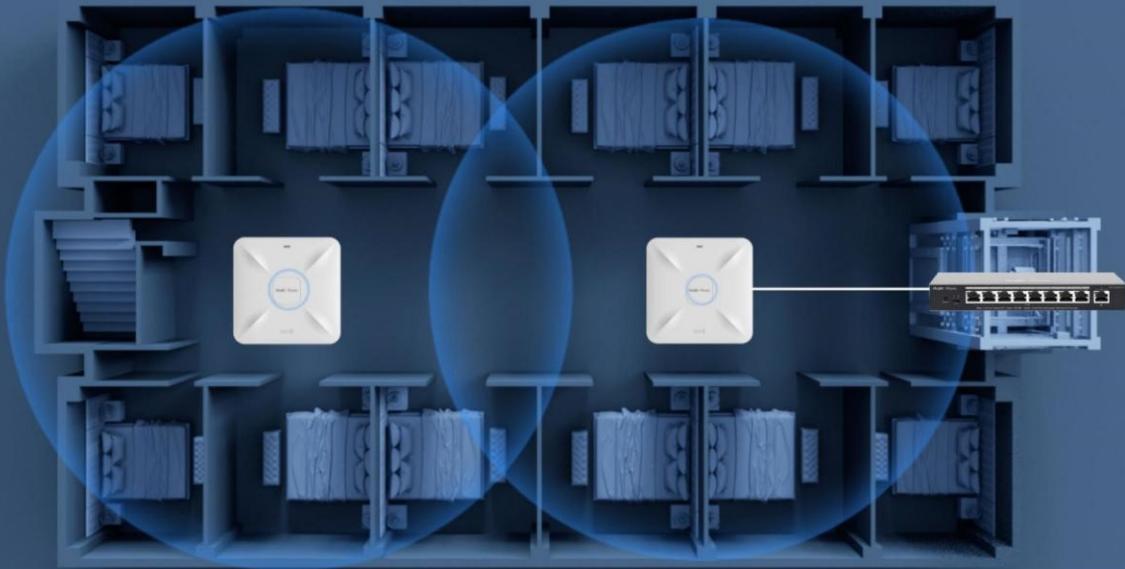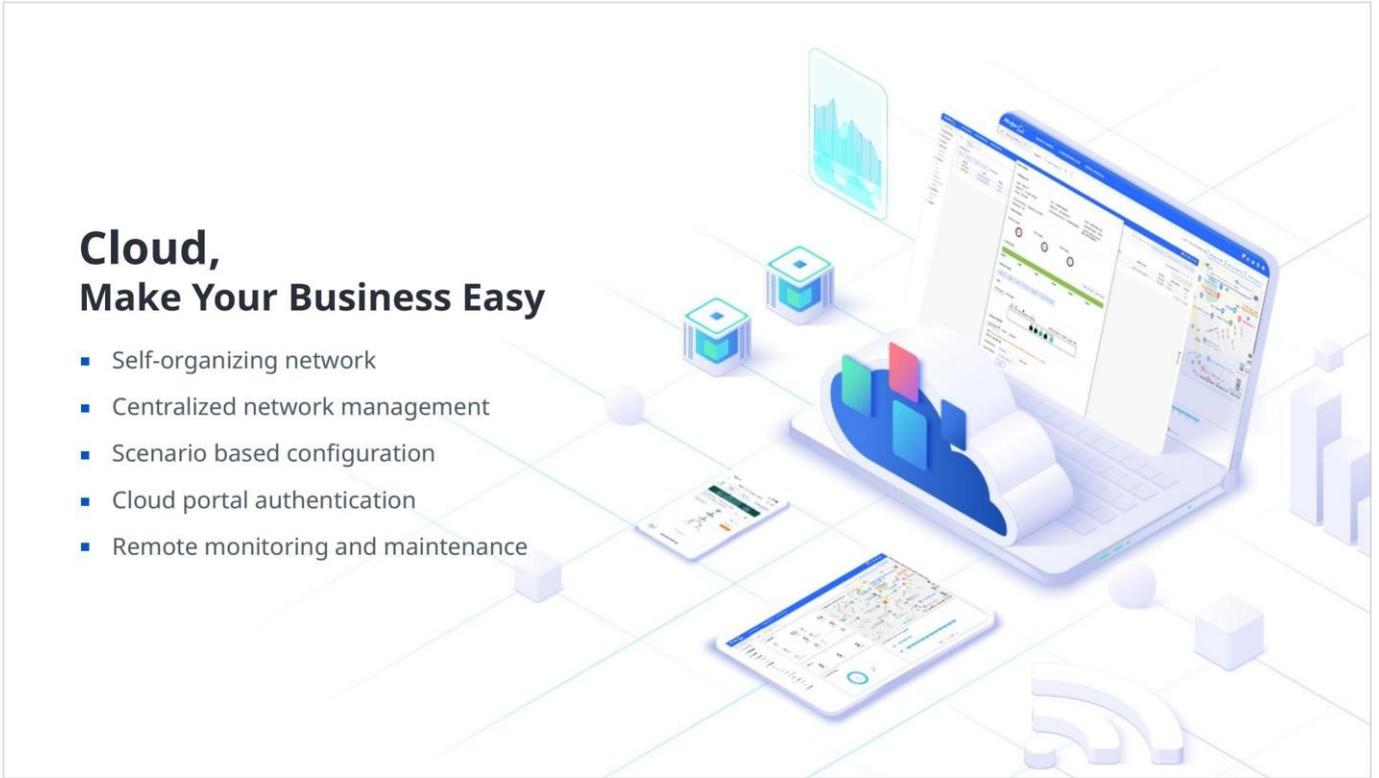
Easily Set Up Your Wi-Fi 6 Network in 3 Minutes

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)
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) 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)
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 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm Myanmar: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 30 dBm 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 Indonesia: 2400–2483.5 MHz, EIRP ≤ 27 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 23 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: 26 dBm (single-stream power: 23 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Maximum transmit power (2.4 GHz)	Combined power: 26 dBm (single-stream power: 23 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Coverage range	120 ㎡ (1291.67 square 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 and

/ 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)
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 gain (6 GHz)	No
Antenna gain (5 GHz)	3.00 dBi
Antenna gain (2.4 GHz)	3.00 dBi
Dimensions and Weight	
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.)
Port Specifications	
Number of 10/100/1000BASE-T ports	2
Reset button	1
LEDs	1 x system status LED

/ Hardware Specifications

Model	RG-RAP2260(G)
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	15.5 W
Environment and Reliability	
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
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

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
System Specifications	
Flash memory	16 MB
RAM	256 MB DDR3

/ Software Specifications

Model	RG-RAP2260(G)
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
Ethernet Interface	
PPPoE clients	Yes
Ethernet Switching	
IEEE 802.1Q VLAN	Yes
WLAN	
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	● Support for IEEE 802.11ax: 16 (2.4 GHz) 84 (5 GHz) 100 (2.4 GHz and 5 GHz enabled) ● Support for IEEE 802.11ac: 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	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 WPA2-PSK/WPA3-SAE	Yes
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
IP Service	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
Authentication	
802.1X authentication	Yes
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
SNMP	Yes

Software Specifications

Model	RG-RAP2260(G)
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

/ Package Contents

Model	RG-RAP2260(G)
Package Contents	
Package Contents	1 x AP 1 x Mounting bracket 2 x Cross pan head screws (ST4.2 x 20 mm) 2 x Plastic expansion anchors (Φ9 x 25.4 mm) 1 x User Manual 1 x Warranty Card
Accessories	
Power adapter	No

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