

RG-RAP2260 Series

Reyee Wi-Fi 6 AX3200/AX1800

Indoor Access Point

DATASHEET



Highlights

- Build ultra-high performance network with 3202 Mbps wireless throughput.
- Client connections over 500, provide higher practical performance for users as well.
- Boost Internet Speed with 2.5 Gbps uplink.
- 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-High Performance Network in High-Density Environment

Interface

Installation



WiFi 6 AX3200
Wi-Fi 6

2.5Gbps
Wired Uplink

4x4 MIMO 4x4
MU-MIMO

Reye Mesh
Technology

Free Cloud
Management

Easily Build Your Ultra-High Performance Network in High-Density Environment

Interface

Installation



WiFi 6 AX3200
Wi-Fi 6

2.5Gbps
Wired Uplink

4x4 MIMO 4x4
MU-MIMO

Reye Mesh
Technology

Free Cloud
Management

Highlight Features

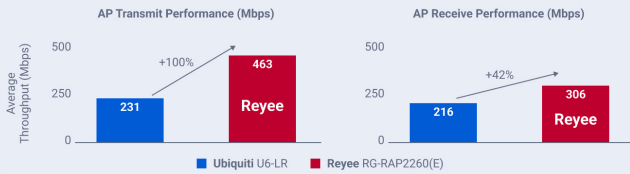
Provide Higher Practical Performance for Users

Reyee RG-RAP2260(E) AP's 2.4GHz and 5GHz radio outperformed the Ubiquiti U6-LR dramatically in both the transmit and receive tests.



* Source: Tolly Test Report #221153 November 2021

4x4:4 MIMO Wi-Fi 6 Access Point Wireless Performance - Single Client - 2.4GHz Radio
(as reported by Keysight IxChariot)

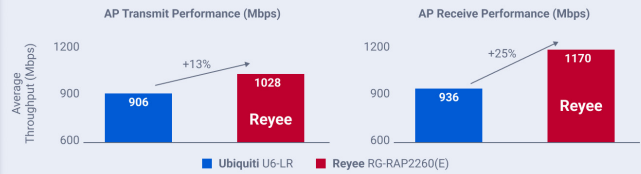


Note: Average of two runs. AP and client in shielded chamber. 20 streams. All tests run on auto channel with 40MHz bandwidth. One desktop with the ASUS PCE-AC88 802.11ac Network Adapter was used as the client.

Source: Tolly, October 2021

Figure 1

4x4:4 MIMO Wi-Fi 6 Access Point Wireless Performance - Single Client - 5GHz Radio
(as reported by Keysight IxChariot)



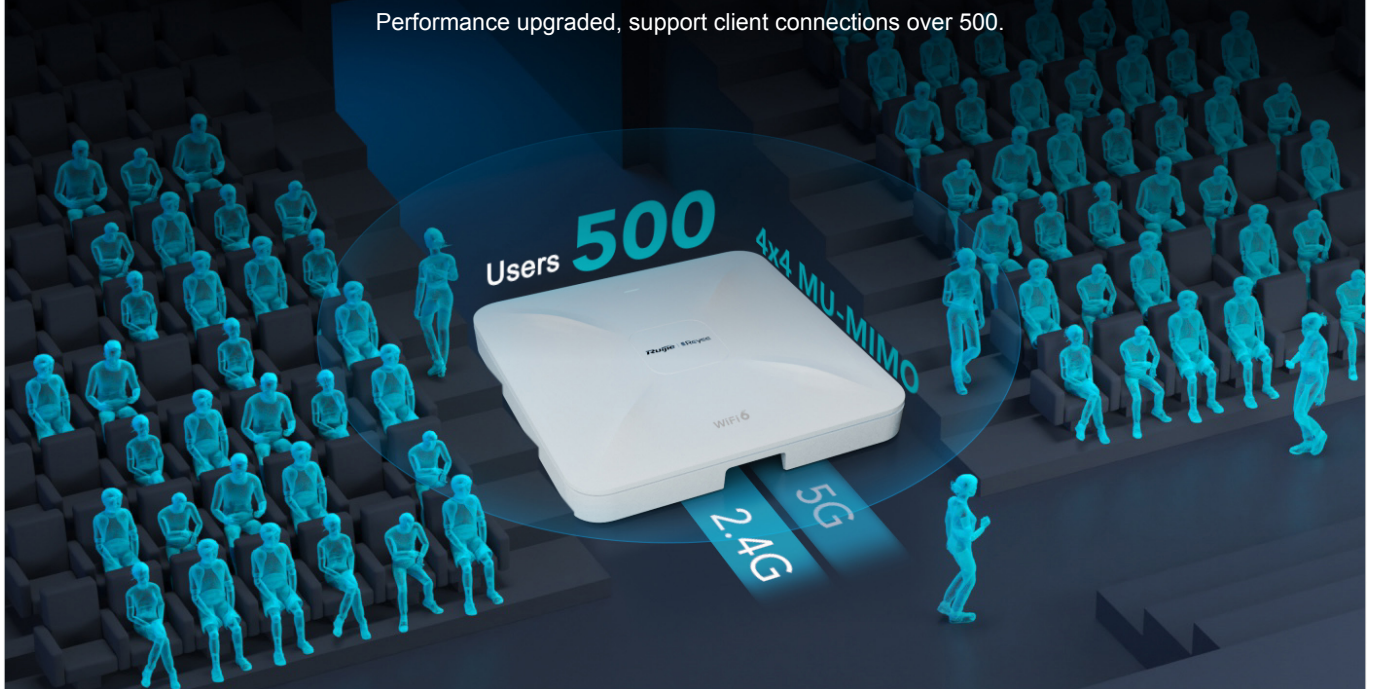
Note: Average of two runs. AP and client in shielded chamber. 20 streams. All tests run on auto channel with 80MHz bandwidth. One desktop with the ASUS PCE-AC88 802.11ac Network Adapter was used as the client.

Source: Tolly, October 2021

Figure 2

Better Multi-User Experience in High-Density Scenarios

Performance upgraded, support client connections over 500.



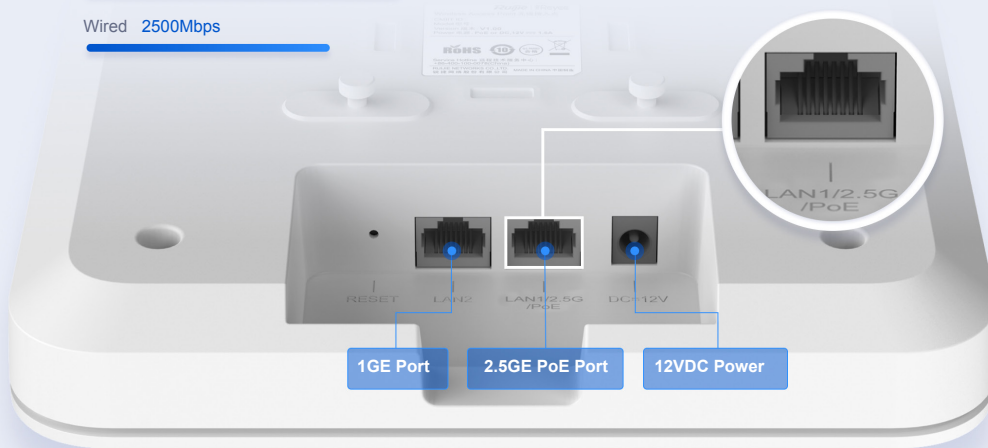
Highlight Features

Boost Your Internet Speed with 2.5Gbps Uplink

Build network for future, protect your investments.

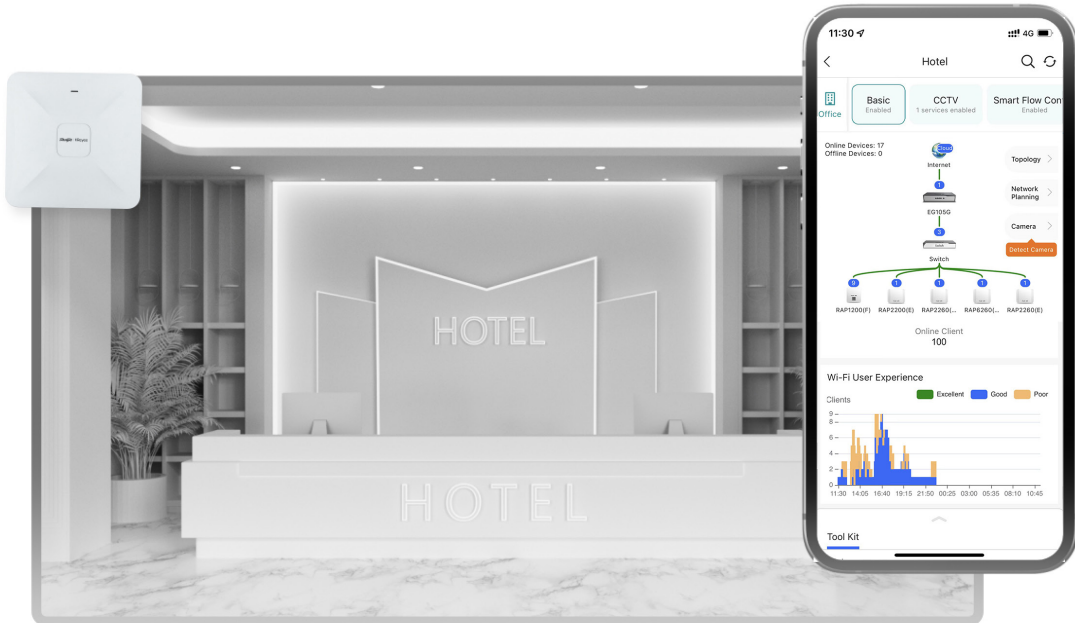
Wireless 3200Mbps

Wired 2500Mbps



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

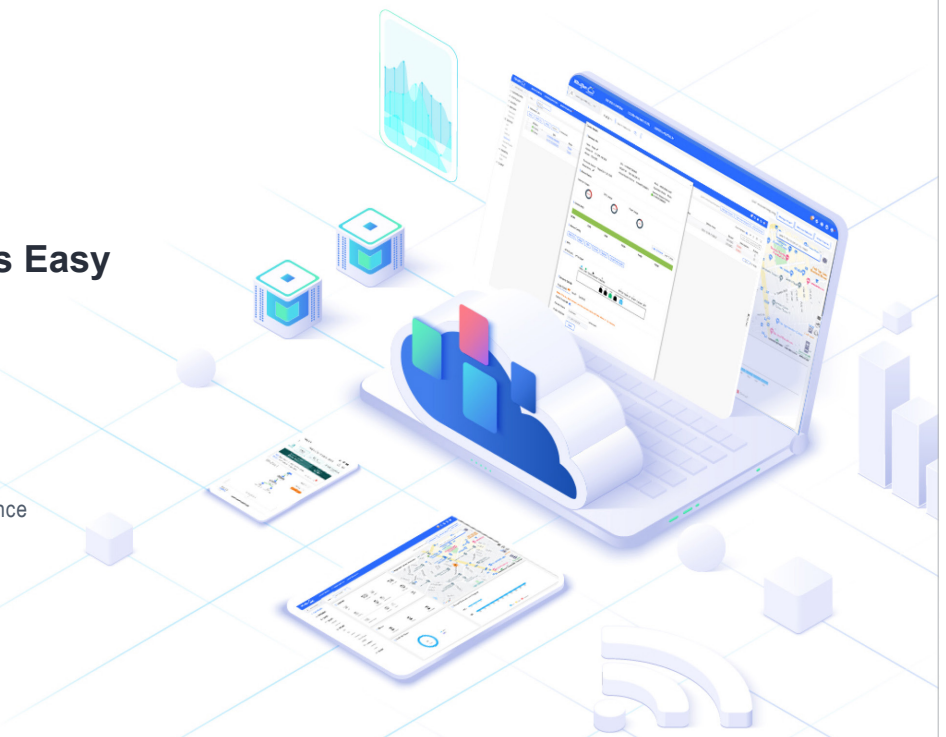
Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.



Cloud, Make Your Business Easy

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



Specifications

Hardware Specifications

| Model | RG-RAP2260(G) | RG-RAP2260(E) |
|---------------------|---|---|
| Radio | Dual-stream dual-band | |
| Protocol | Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 5 (IEEE 802.11ac Wave 2/Wave1) Wi-Fi 4 (IEEE 802.11n) 802.11a/b/g | |
| Operating Bands | 802.11b/g/n/ax: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac/ax: 5 GHz: 5.150 GHz ~ 5.350 GHz, (country specific) | 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac/ax: 5 GHz: 5.150 GHz ~ 5.350 GHz, (country specific) |
| Antenna | Built-in Omnidirectional Antennas (2.4 GHz: 3dBi, 5 GHz: 3dBi) | |
| Spatial Streams | 2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO | 2.4GHz: 4x4 MIMO 5GHz: 4x4 MIMO |
| Max Throughput | Up to 574 Mbps at 2.4 GHz Up to 1201 Mbps at 5 GHz 1.775 Gbps per AP | Up to 800 Mbps at 2.4 GHz Up to 2402 Mbps at 5 GHz 3.202 Gbps per AP |
| 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 | 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 |
| Receive Sensitivity | 11b: -96 dBm(1 Mbps), -93 dBm(5 Mbps), -89 dBm(11 Mbps) 11a/g, -91 dBm(6 Mbps), -85 dBm(24 Mbps), -80 dBm(36 Mbps), -74 dBm(54 Mbps) 11n: -90 dBm(MCS0), -70 dBm(MCS7), -89 dBm(MCS8), -68 dBm(MCS15) 11ac: 20MHz: -88 dBm(MCS0), -63 dBm(MCS9) 40MHz: -85 dBm(MCS0), -60 dBm(MCS9) 80MHz: -85 dBm(MCS0), -60 dBm(MCS9) 11ax: 80MHz: -82 dBm(MCS0), -57 dBm(MCS9), -52 dBm(MCS11) | 11b: -96 dBm(1 Mbps), -93 dBm(5 Mbps), -89 dBm(11 Mbps) 11a/g, -91 dBm(6 Mbps), -85 dBm(24 Mbps), -80 dBm(36 Mbps), -74 dBm(54 Mbps) 11n: -90 dBm(MCS0), -70 dBm(MCS7), -89 dBm(MCS8), -68 dBm(MCS15) 11ac: 20MHz: -88 dBm(MCS0), -63 dBm(MCS9) 40MHz: -85 dBm(MCS0), -60 dBm(MCS9) 80MHz: -85 dBm(MCS0), -60 dBm(MCS9) 11ax: 80MHz: -82 dBm(MCS0), -57 dBm(MCS9), -52 dBm(MCS11) |

Specifications

Hardware

| Model | RG-RAP2260(G) | RG-RAP2260(E) |
|---------------------|---|---|
| Max. Transmit Power | 2.4 GHz(2.4 GHz~2.4835 GHz): 20 dBm 5 GHz(5.150 GHz~5.250 GHz): 20 dBm (country-specific, comply with local laws) | 2.4 GHz(2.4 GHz~2.4835 GHz): 20 dBm 5 GHz(5.150 GHz~5.250 GHz): 20 dBm (country-specific, comply with local laws) |
| Dimensions | 194 mm×194 mm×35 mm (excluding mounting kits) | 220 mm×220 mm×35 mm (excluding mounting kits) |
| Weight | 0.56 kg (excluding mounting kits) | 1.05 kg (excluding mounting kits) |
| Service Ports | 2 x10/100/1000M Base-T LAN1 port supports PoE | 1 x 10/100/1000M/2.5G Base-T (PoE In); 1 x 10/100/1000M Base-T |
| LED Indicator | Single indicator (green light) | |
| Power Supply | Local power supply, DC 12V/ 1.5A (Note: The power adapter is sold as an optional accessory), 802.3at PoE (Warning: 802.3af or non-standard POE adapter may cause unknown issues. Please use Ruijie POE+ switch or 802.3at POE adapter as power supplier) | |
| Power Consumption | ≤ 15.3W | ≤ 25.4W |
| Environment | Operating temperature: 0°C~40°C Storage temperature: -40°C~70°C Operating humidity: 55%~95% (non-condensing) Storage humidity: 5%~95% (non-condensing) | |
| Installation | Ceiling/wall-mountable | |
| Safety Standard | GB4943, IEC 62368-1 | |
| EMC Standard | GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035 | |
| Vibration Standard | IEC61373 | |
| Radio Standard | EN300 328, EN301 893 | |
| MTBF | >400000H | |

Specifications

Software Features

| Model | RG-RAP2260(G) | RG-RAP2260(E) |
|------------------------------|--|------------------------------------|
| Operating Mode | AP mode and routing mode | |
| WLAN | Maximum number of clients: 512 | |
| | Recommended number of clients: 100 | Recommended number of clients: 120 |
| | Up to 8 SSIDs | |
| | Support SSID hiding Configuring the authentication mode encryption mechanism VLAN attributes for each SSID | |
| | SSID-based and radio-based STA limit | |
| | Support Layer 2 user isolation | |
| Roaming | Support Layer 2 and Layer 3 roaming | |
| Security | Support PSK authentication | |
| | Support static blacklist and whitelist | |
| | Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption | |
| | Support Black List / White List: Maximum 256 rules per SSID Maximum 1024 rules per AP | |
| Routing | Support static IP address, DHCP, PPPoE Dial Up | |
| Management and maintenance | Support unified networking of all network equipment Support local or remote management with Ruijie Cloud app Support local management with web Support remote management with Ruijie Cloud platform | |
| Platform management features | Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform | |

Package Contents

| Device | RG-RAP2260(G) | RG-RAP2260(E) |
|-------------------------------|-------------------------|-------------------------|
| Mounting Bracket | 1 | 1 |
| Cross Pan Head Screw | 2 | 2 |
| Expansion Anchor | 2 | 2 |
| Quick Start Guide | 1 | 1 |
| Warranty Card | 1 | 1 |
| Package Weight | 0.83kg | 1.43kg |
| Package Dimension (w x d x h) | 222 mm x 220 mm x 68 mm | 290 mm x 290 mm x 71 mm |

Ruijie | 睿 Rcycc

 Redefine your easy network



Ruijie Networks Co., Ltd
Floor 11, East Wing, Zhongyipengao Plaza,
No.29 Fuxing Road, Haidian District, Beijing China
Website: <https://www.ruijienetworks.com>