# RG-RAP2200 Series

## Reyee Wi-Fi 5 AC1300 Indoor Cloud Managed Access Point

DATASHEET

## Highlights

- Dual-Radio Performance, up to 1.267 Gbps.
- Get better performance with 802.11ac wave 2's MU-MIMO technology.
- Support to optimize the entire wireless network with just one click.
- Easily set up your Wi-Fi network with Ruijie Cloud APP in 3 minutes.
- With Ruijie Cloud, easy to maintain your networks remotely.

# Highlight Features

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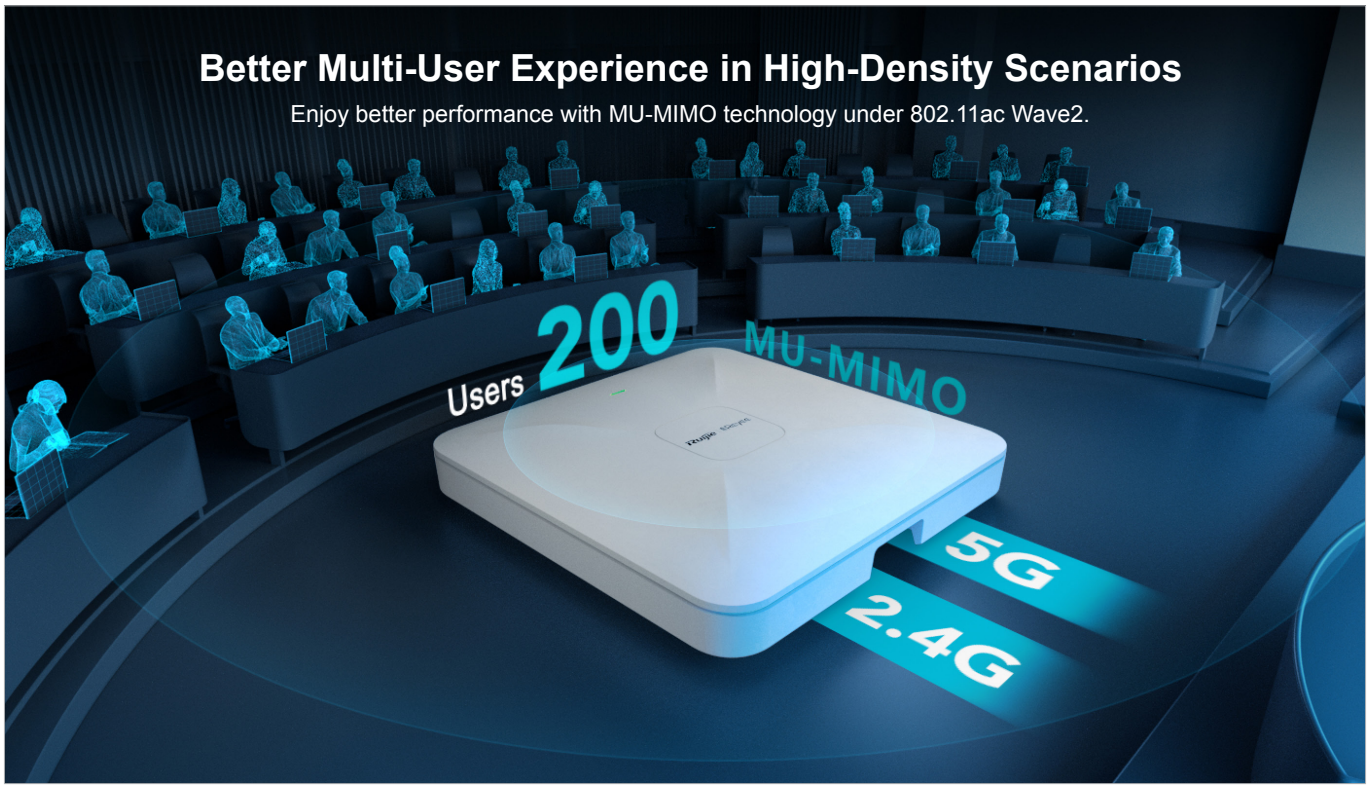
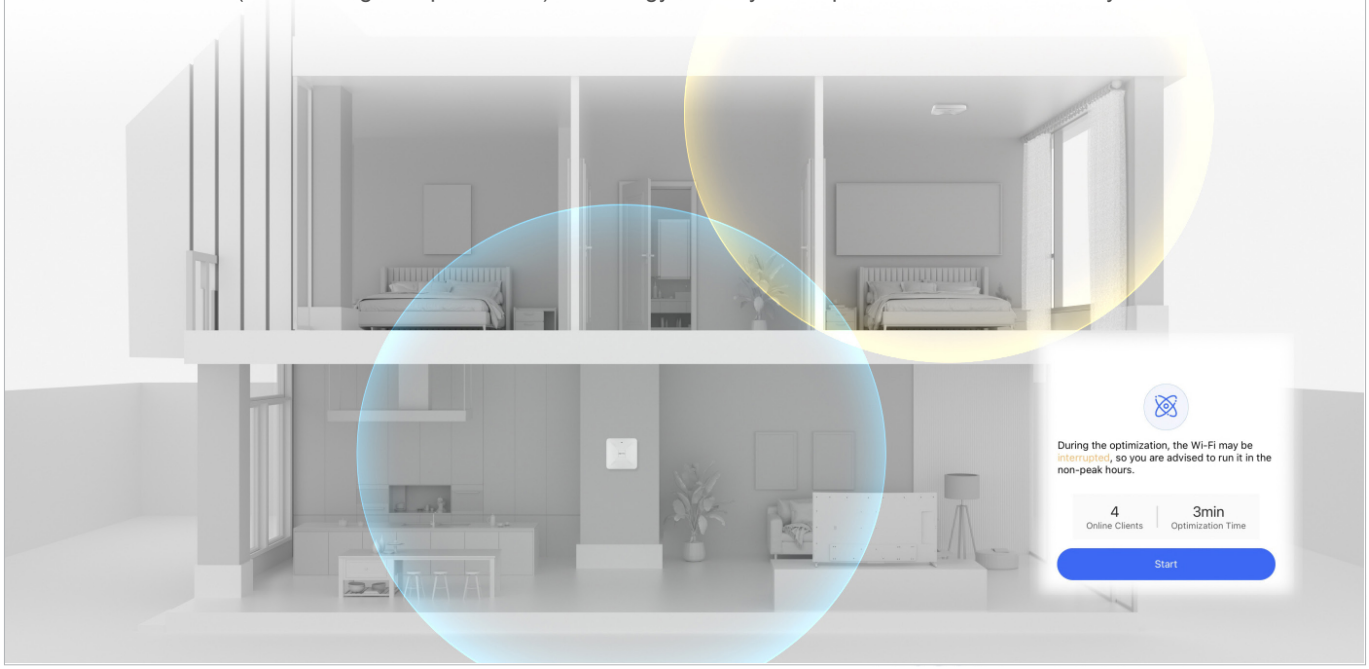



## One Click to Optimize, Get Better Wi-Fi Experience

The WIO (Wi-Fi Intelligent Optimization) technology allows you to optimize wireless network by one click.



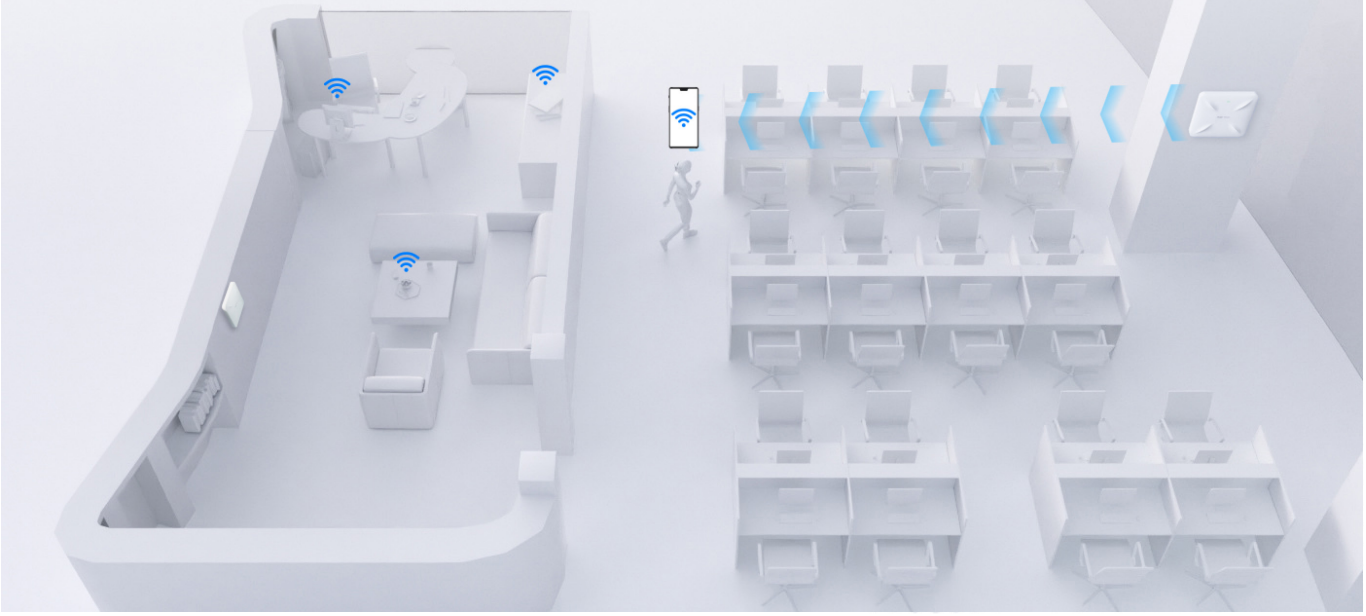
# Highlight Features

## Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.

## Layer 3 Roaming, Smooth Transition

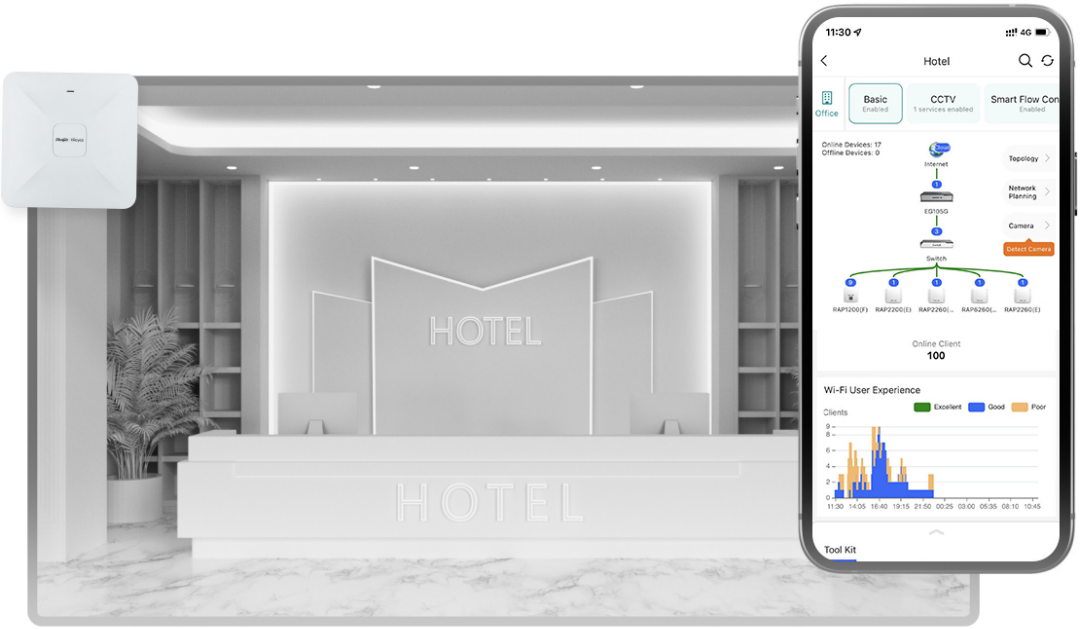
Roam smoothly between Layer 3 networks with non-interruption.



# Highlight Features

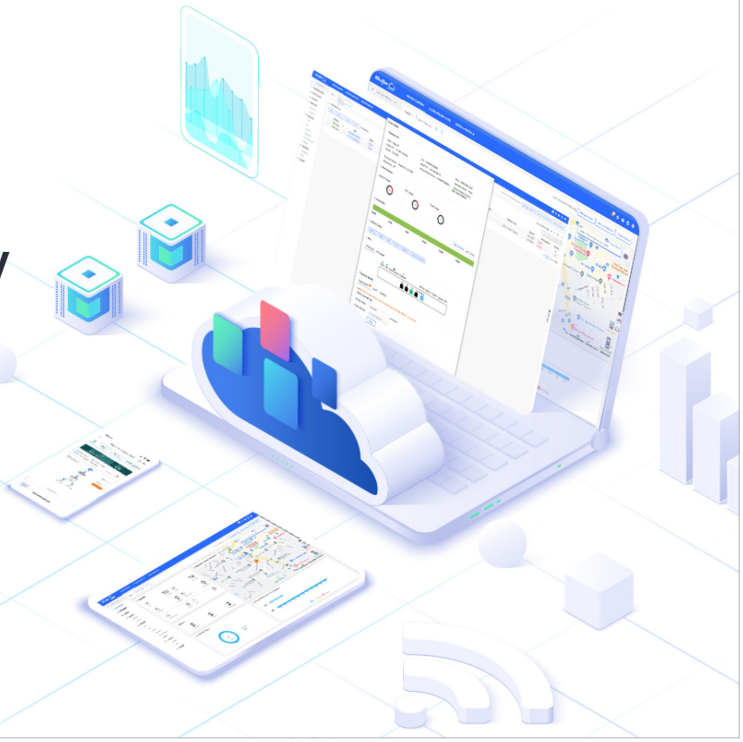
## Easily Set Up Your Wi-Fi Network in 3 Minutes

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




## 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-RAP2200(E)** | **RG-RAP2200(F)** |
| Radio | Dual-stream dual-band | |
| Protocol | Wi-Fi 5 (IEEE 802.11ac Wave 2/Wave1)<br>Wi-Fi 4(IEEE 802.11n)<br>802.11a/b/g | |
| Operating Bands | 802.11b/g/n：2.4 GHz ~ 2.4835 GHz; 802.11a/n/ac: 5 GHz: 5.150 GHz～5.350 GHz, 5.470 GHz ~ 5.725 GHz, 5.725 GHz～5.850 GHz | |
| Antenna | Built-in Omnidirectional Antennas(2.4 GHz: 2dBi, 5 GHz: 2dBi) | |
| Spatial Streams | 2.4 GHz: 2x2 MIMO<br>5 GHz: 2x2 MIMO | |
| Max Throughput | Up to 400 Mbps at 2.4 GHz<br>Up to 867 Mbps at 5 GHz<br>1.267 Gbps per AP | |
| 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, 16QAM, 64QAM and 256QAM | |
| Receive Sensitivity | 11b: -91 dBm (1 Mbps), -88 dBm (5 Mbps), -85 dBm (11 Mbps)<br>11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps)<br>11n: -83 dBm@MCS0, -65 dBm@MCS7, -83 dBm@MCS8, -65 dBm@MCS15<br>11ac HT20: -83 dBm (MCS0), -57 dBm (MCS9)<br>11ac HT40: -79 dBm (MCS0), -57 dBm (MCS9)<br>11ac HT80: -76 dBm (MCS0), -51 dBm (MCS9) | |
| Maximum Transmit Power | 5.725 GHz～5.850 GHz: ≤20 dBm (EIRP)<br>5.150 GHz～5.350 GHz: ≤20 dBm (EIRP)<br>2.4 GHz～2.4835 GHz: ≤20 dBm (EIRP)<br>Country-specific restriction apply. | |
| Dimensions | 194 mm×194 mm×35 mm (excluding mounting kits) | |
| Weight | 0.45kg (excluding mounting kits) | |
| Service Ports | 2 x10/100/1000M Base-T<br>LAN1 port supports PoE | 2 x10/100M Base-T<br>LAN1 port supports PoE |

# Specifications

| Hardware specifications | | |
|---|---|---|
| **Model** | **RG-RAP2200(E)** | **RG-RAP2200(F)** |
| LED Indicator | Single indicator (green light) | |
| Power Supply | 802.3af/802.3at PoE, local power supply, DC 12V/1.5A<br>(Note: The power adapter is sold as an optional accessory) | |
| Power Consumption | ≤ 12.95 W | |
| Environment | Operating temperature: 0°C～40°C | |
| | Storage temperature: -40°C～70°C | |
| | Operating humidity: 5%～95% (non-condensing) | |
| | Storage humidity: 5%～95% (non-condensing) | |
| Installation | Ceiling/wall-mountable | |
| Safety Standard | GB4943, IEC 60950-1 | |
| EMC Standard | GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035 | |
| Vibration Standard | IEC61373 | |
| Radio Standard | SRRC certification, EN300 328, EN301 893 | |
| MTBF | >400000H | |
| **Software Features** | | |
| Operating Mode | AP mode and routing mode | |
| WLAN | Maximum number of clients: 110 | |
| | Recommended number of clients: 40 (8 at 2.4 GHz, 32 at 5 GHz) | |
| | Up to 8 SSIDs | |
| | Support SSID hiding Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID | |
| | SSID-based and radio-based STA limit | |
| | Support Layer 2 user isolation | |

## Specifications

| Software Features | | |
|---|---|---|
| **Model** | **RG-RAP2200(E)** | **RG-RAP2200(F)** |
| 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 | |
| Routing | Support static IP address, DHCP, PPPoE Dial Up | |
| Management and maintenance | Support unified networking of all network equipment<br>Support local or remote management with Ruijie Cloud APP<br>Support local management with web<br>Support remote management with Ruijie Cloud platform " | |
| Platform management features | Automatic RF adjustment via the platform<br>Unified configuration via the platform<br>Unified monitoring via the platform | |

## Package Contents

| Device | RG-RAP2200(F) | RG-RAP2200(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 | **0.76kg** | **0.69kg** |
| Package Dimension (w x d x h) | **222 mm x 220 mm x 68 mm** | **219 mm x 217 mm x 67 mm** |

Redefine your easy network

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