# RG-RAP1200(P)
# Reyee Wi-Fi 5 1267 Mbps Wall-mounted Access Point

DATASHEET

## Highlights

- Dual-radio performance, full gigabit wall-mounted access point

- Better experience with MU- MIMO under 802.11ac Wave2

- Multi-service supported with full gigabit ports

- Easy installation, worldwide compatible

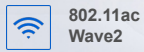- One click to optimize, get better Wi-Fi experience

# Highlight Features

## Dual-Radio Performance, Gigabit Wall-mounted Access Point

**Interface**  Application

**1267 Mbps**

- 802.11ac Wave2
- PoE Pass Through
- 2x2 MIMO 2x2 MU-MIMO
- Reye Mesh Technology
- Free Cloud Management

## Dual-Radio Performance, Gigabit Wall-mounted Access Point

Interface  **Application**

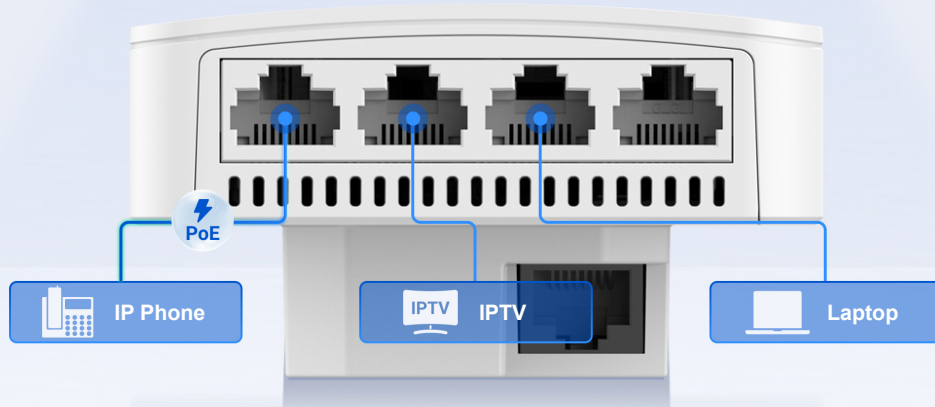## Better Experience with MU-MIMO under 802.11ac Wave2

Dual Band

802.11ac Wave2 ————————————— 1267 Mbps

11n

MU-MIMO

# Highlight Features

## Multi-Service Supported with Full Gigabit Ports

PoE

IP Phone

IPTV    IPTV

Laptop

## Easy Installation, Worldwide Compatible

Ruijie  ⫶Reyee

86mm wal junction box

Standard EU wall junction box

Standard US wall junction box

## 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.

CH1   CH6   CH1   CH6   CH1   CH6

During the optimization, the Wi-Fi may be interrupted, so you are advised to run it in the non-peak hours.

| 4 | 3min |
| Online Clients | Optimization Time |

Start

CH6   CH1   CH6   CH1   CH6   CH1
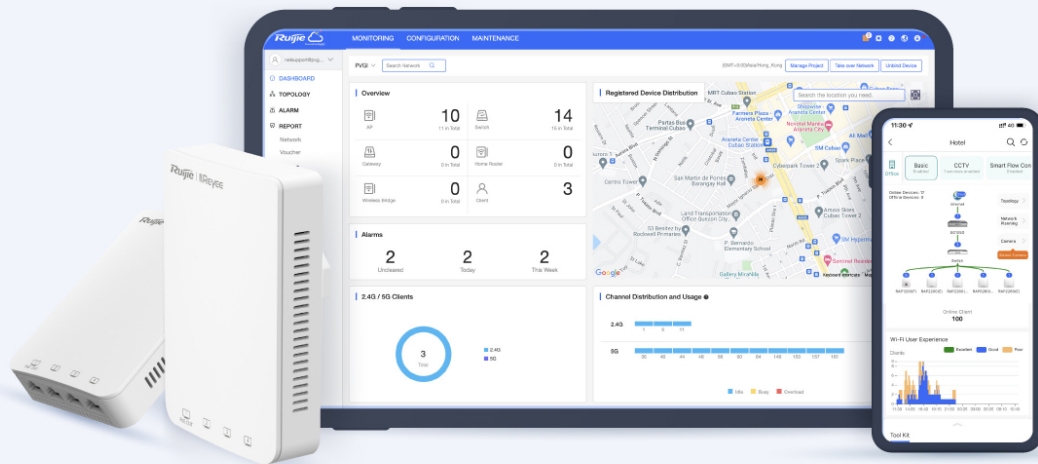
# Highlight Features

## 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.
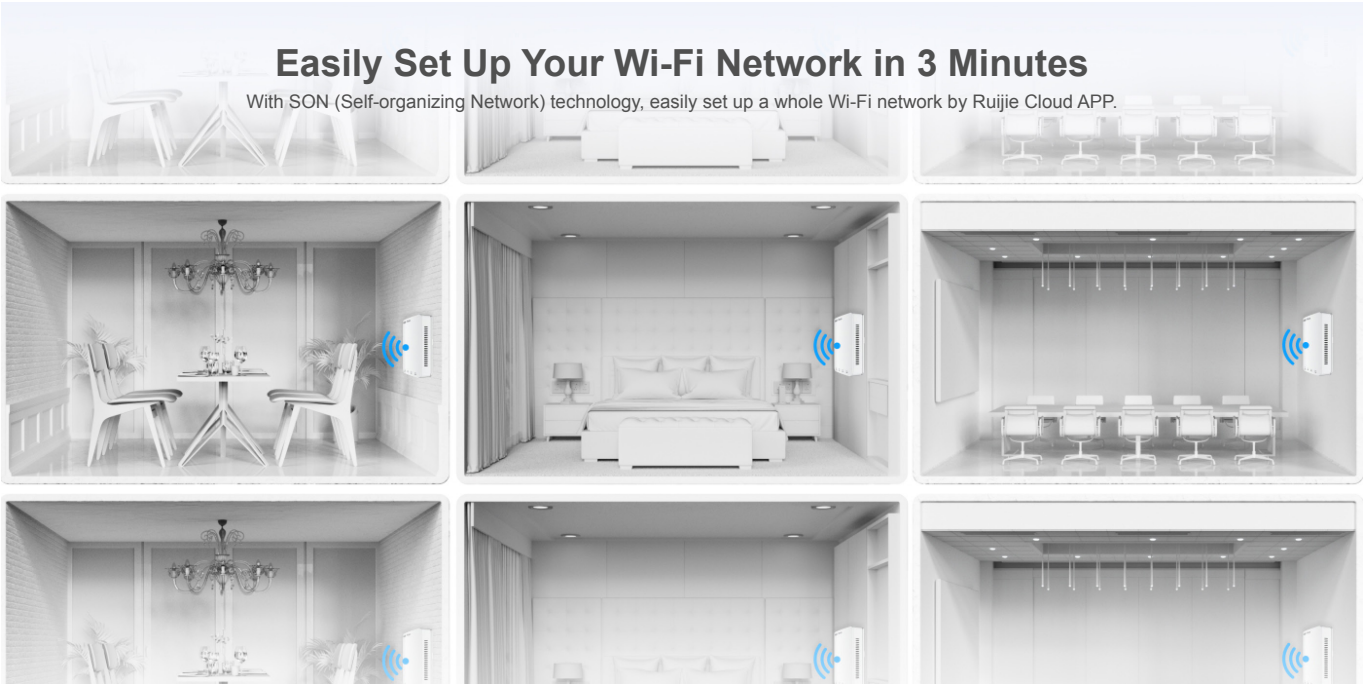
## Cloud, Make Your Business Easy

- Self-organizing Network
- Centralized Network Management
- Scenario Based Configuration
- Cloud Portal Authentication
- Remote Monitoring and Maintenance

# / Specifications

| Hardware Specifications | | |
| --- | --- | --- |
| **Model** | **RG-RAP1200(P)** | **RG-RAP1200(F)** |
| Radio | Dual-stream Dual-band | |
| Protocol | Concurrent 802.11ac Wave2, Wave1, 802.11a/b/g/n | |
| Operating Bands | 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz<br>802.11a/n/ac: 5 GHz: 5.150 GHz ~ 5.350 GHz, 5.725 GHz ~ 5.850 GHz.<br>(Note:The operating bands vary according to different countries) | |
| Antenna | Built-in Antenna (2.4 GHz: 2 dBi, 5 GHz: 2 dBi) | |
| Spatial Streams | 2.4 GHz: 2x2 MIMO<br>5 GHz: 2x2 MIMO | |
| Max Throughput | 2.4 GHz: up to 400 Mbps<br>5 GHz: up to 867 Mbps<br>Access rate per AP: 1.267 Gbps | |
| 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) 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 HT20: -83 dBm(MCS0), -57 dBm(MCS9) 11ac HT40: -79 dBm(MCS0), -57 dBm(MCS9) 11ac HT80: -76 dBm(MCS0), -51 dBm(MCS9) | |
| Maximum Transmit Power | CE EIRP:<br>≤19 dBm (2.4 GHz)<br>≤18 dBm (5 GHz)<br>country-specific restrictions apply | |
| Adjustable Power | 1 dBm | |
| Dimensions | 126 mm × 86 mm × 50 mm | 86 mm × 86 mm × 29.3 mm |
| Weight | 0.24 kg | 0.05 kg |
| Service Ports | Front: 4 10/100/1000Base-T Ports, LAN1 supports IEEE.802.3af PoE OUT<br>Rear: 1 10/100/1000Base-T (PoE in) | Front: 1 10/100Base-T Ports<br>Rear: 1 10/100Base-T (PoE in) |
| LED Indicator | 1 LED indicator | |

# / Specifications

| Hardware Specifications | | |
|---|---|---|
| **Model** | **RG-RAP1200(P)** | **RG-RAP1200(F)** |
| Power Supply | Support PoE (802.3af/at) | |
| Power Consumption | ≤ 8W | |
| Environment | Operating temperature: 0°C ~ 40°C | |
| | Storage temperature: -40°C ~ 70°C | |
| | Operating humidity: 0% ~ 100%(non-condensing) | |
| | Storage humidity: 0% ~ 100%(non-condensing) | |
| Installation | Wall plate installation | |
| Safety Standard | GB4943, IEC 62368-1 | |
| EMC Standard | GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035 | |
| Vibration Standard | IEC61373 | |
| Radio Standard | SRRC certification, EN300 328, EN301 893 | |
| MTBF | > 250000H | |
| **Software Features** | | |
| Operating Mode | AP mode and routing mode | |
| WLAN | Maximum number of clients: 110 | Maximum number of clients: 110 |
| | Recommended Clients: 80 | Recommended Clients: 40 |
| | 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 | |
| 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 | |

# Specifications

| Hardware | | |
|---|---|---|
| Model | RG-RAP1200(P) | RG-RAP1200(F) |
| 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 | |

# Package Contents

| Device | RG-RAP1200(P) | RG-RAP1200(F) |
|---|---|---|
| Mounting Screw | 2 | 2 |
| Quick Start Guide | 1 | 1 |
| Warranty Card | 1 | 1 |
| Package Weight | 0.31 kg | 0.19 kg |
| Package Dimension (w x d x h) | 150 mm x 110 mm x 65 mm | 128 mm x 116 mm x 50 mm |

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