

# RG-RAP2200(F)

## Reyee Wi-Fi 5 1266 Mbps Ceiling Access Point



### Highlights

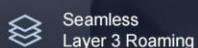
- Dual-radio performance, up to 1266 Mbps.
- Get better performance with 802.11ac wave 2 's MU-MIMO technology.
- Support to optimize the entire wireless network with just one click.
- Easily set up your Wi-Fi network with Ruijie Cloud APP in 3 minutes.
- With Ruijie Cloud, easy to maintain your networks remotely.

## Highlight Features

### Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

Interface

Installation



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Installation



## Highlight Features

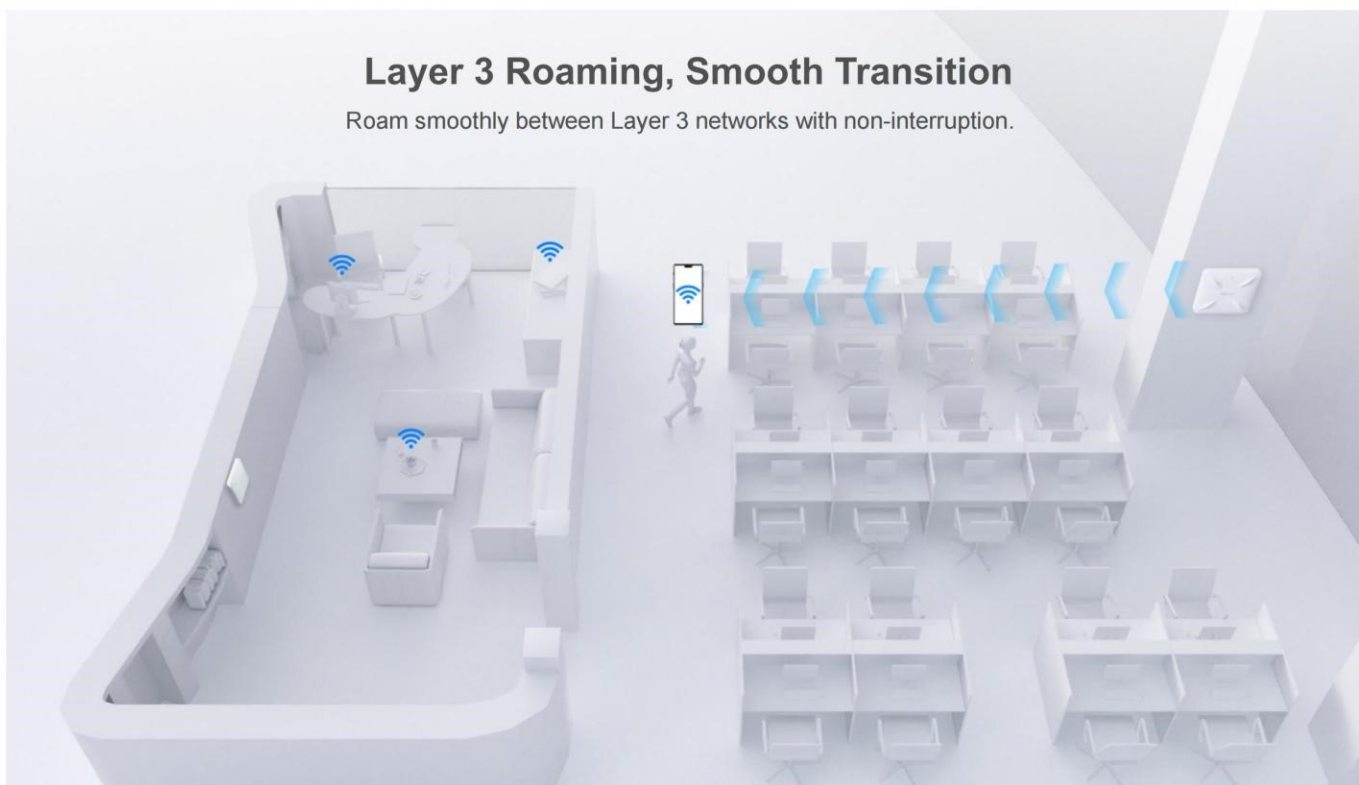
### Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.



### Layer 3 Roaming, Smooth Transition

Roam smoothly between Layer 3 networks with non-interruption.



## Highlight Features

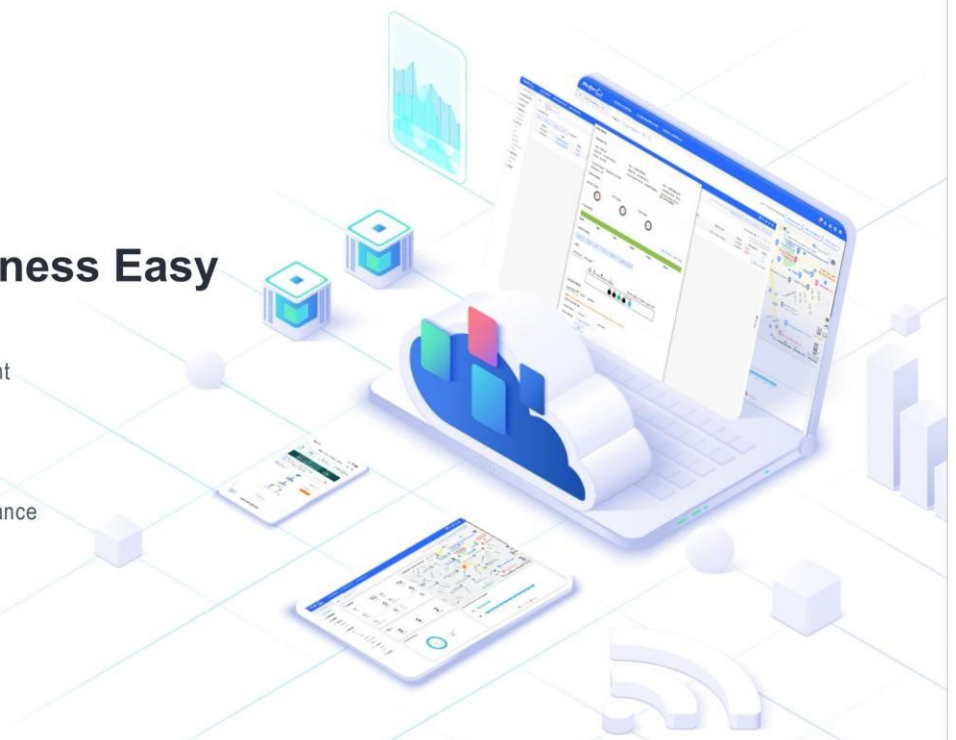
### Easily Set Up Your Wi-Fi Network in 3 Minutes

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





## / Product Information

| Model        | RG-RAP2200(F) |
|--------------|---------------|
| Product Type | Ceiling AP    |

## / Hardware Specifications

| Model                      | RG-RAP2200(F)                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wi-Fi Radio                |                                                                                                                                                                                                                                                                                                               |
| 6 GHz Wi-Fi                | No                                                                                                                                                                                                                                                                                                            |
| 5 GHz Wi-Fi                | Wi-Fi 4 (IEEE 802.11a/n)<br>Wi-Fi 5 (IEEE 802.11ac)                                                                                                                                                                                                                                                           |
| 2.4 GHz Wi-Fi              | Wi-Fi 4 (IEEE 802.11b/g/n)                                                                                                                                                                                                                                                                                    |
| Operating band             | IEEE 802.11b/g/n, 2.400 GHz to 2.4835 GHz<br>IEEE 802.11a/n/ac, 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz<br><br>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<br>4 spatial streams<br>• 2.4 GHz: 2 x 2, MIMO<br>• 5 GHz: 2 x 2, MIMO                                                                                                                                                                                                                             |
| FEM                        | 2.4 GHz: 2 x eFEM<br>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 | 1266 Mbps                                                                                                                                                                                                                                                                                                     |
| 6 GHz wireless data rate   | No                                                                                                                                                                                                                                                                                                            |
| 5 GHz wireless data rate   | 866 Mbps                                                                                                                                                                                                                                                                                                      |
| 2.4 GHz wireless data rate | 400 Mbps                                                                                                                                                                                                                                                                                                      |
| Maximum transmit power     | Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):                                                                                                                                                                                                                                        |

## / Hardware Specifications

| Model                            | RG-RAP2200(F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | <p>Note: Country specific restrictions apply.</p> <p>European Union &amp; United Kingdom:<br/>           2400–2483.5 MHz, EIRP ≤ 20 dBm<br/>           5150–5350 MHz, EIRP ≤ 23 dBm<br/>           5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar:<br/>           2400–2483.5 MHz, EIRP ≤ 23 dBm<br/>           5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:<br/>           2400–2483.5 MHz, EIRP ≤ 20 dBm<br/>           5150–5350 MHz, EIRP ≤ 23 dBm<br/>           5470–5725 MHz, EIRP ≤ 30 dBm<br/>           5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia:<br/>           2400–2483.5 MHz, EIRP ≤ 27 dBm<br/>           5150–5350 MHz, EIRP ≤ 23 dBm<br/>           5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:<br/>           2400–2483.5 MHz, EIRP ≤ 20 dBm<br/>           5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>Vietnam:<br/>           2400–2483.5 MHz, EIRP ≤ 23 dBm<br/>           5150–5350 MHz, EIRP ≤ 23 dBm<br/>           5470–5725 MHz, EIRP ≤ 30 dBm<br/>           5725–5850 MHz, EIRP ≤ 30 dBm</p> |
| Maximum transmit power (6 GHz)   | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Maximum transmit power (5 GHz)   | Combined power: 26 dBm (single-stream power: 23 dBm)<br>Note: The transmit power varies according to regulations in different countries and regions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum transmit power (2.4 GHz) | Combined power: 25 dBm (single-stream power: 22 dBm)<br>Note: The transmit power varies according to regulations in different countries and regions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Coverage range                   | 115 m <sup>2</sup> (1237.85 square ft.)<br>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<br>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps<br>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Receive sensitivity              | 11b: –91 dBm (1 Mbps), –88 dBm (5.5 Mbps), –85 dBm (11 Mbps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## / Hardware Specifications

| Model                          | RG-RAP2200(F)                                                                                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | 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: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9)<br>11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9)<br>11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) |
| Antenna                        |                                                                                                                                                                                                                                                                                                          |
| Antenna                        | 2.4 GHz: 2 built-in omnidirectional antennas<br>5 GHz: 2 built-in omnidirectional antennas                                                                                                                                                                                                               |
| Antenna horizontal orientation | No                                                                                                                                                                                                                                                                                                       |
| Antenna vertical orientation   | No                                                                                                                                                                                                                                                                                                       |
| Antenna gain (6 GHz)           | No                                                                                                                                                                                                                                                                                                       |
| Antenna gain (5 GHz)           | 2.00 dBi                                                                                                                                                                                                                                                                                                 |
| Antenna gain (2.4 GHz)         | 2.00 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.)<br>(excluding the mounting bracket)                                                                                                                                                                                                             |
| Color                          | White                                                                                                                                                                                                                                                                                                    |
| Weight                         | ≤ 0.45 kg (0.99 lbs.) (without packaging materials)                                                                                                                                                                                                                                                      |
| Shipping weight                | ≤ 0.76 kg (1.68 lbs.)                                                                                                                                                                                                                                                                                    |
| Port Specifications            |                                                                                                                                                                                                                                                                                                          |
| Number of 10/100BASE-T ports   | 2                                                                                                                                                                                                                                                                                                        |
| Reset button                   | 1                                                                                                                                                                                                                                                                                                        |
| LEDs                           | 1 x system status LED                                                                                                                                                                                                                                                                                    |
| Power Supply and Consumption   |                                                                                                                                                                                                                                                                                                          |
| 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)                                                                                                                                                                                                                                                                |

# Hardware Specifications

| Model                                   | RG-RAP2200(F)                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|
| Dimensions of the DC connector          | Outer diameter: 5.5 mm (0.22 in.)<br>Inner diameter: 2.1 mm (0.08 in.)<br>Depth: 10 mm (0.39 in.)  |
| 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               | 12.95 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                               | No                                                                                                 |
| 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<br>EN 55035<br>EN 61000-3-3<br>EN 61000-3-2<br>EN 301489-1<br>EN 301489-3<br>EN 301489-17 |
| RF                                      | EN 300 328<br>EN 301 893<br>EN 300 440                                                             |
| Certification                           | CE, CB                                                                                             |
| System Specifications                   |                                                                                                    |



# / Hardware Specifications

| Model        | RG-RAP2200(F)           |
|--------------|-------------------------|
| Flash memory | 8 MB                    |
| RAM          | 64 MB CPU built-in DDR2 |

## Software Specifications

| Model                                             | RG-RAP2200(F)                                                  |
|---------------------------------------------------|----------------------------------------------------------------|
| Basic Configurations                              |                                                                |
| AP mode                                           | Yes                                                            |
| Routing mode                                      | Yes                                                            |
| Internet access mode                              | Static IP address<br>Dynamic IP address<br>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)<br>110 (5 GHz)<br>110 (2.4 GHz and 5 GHz enabled) |
| Recommended number of associated wireless clients | 16 (2.4 GHz)<br>32 (5 GHz)<br>48 (2.4 GHz and 5 GHz enabled)   |
| Maximum number of SSIDs                           | 8                                                              |
| Radio-based client limiting                       | Yes                                                            |
| Layer 2 isolation                                 | No                                                             |
| OFDMA                                             | No                                                             |
| WMM                                               | Yes                                                            |
| DFS                                               | Yes                                                            |
| MLO                                               | No                                                             |
| 4K-QAM                                            | No                                                             |
| Different SSIDs for the same VLAN                 | Yes                                                            |

## Software Specifications

| Model                                                                    | RG-RAP2200(F) |
|--------------------------------------------------------------------------|---------------|
| Enabling/Disabling MLO                                                   | No            |
| AP load balancing                                                        | No            |
| Beamforming                                                              | Yes           |
| 802.11k/v roaming                                                        | No            |
| Fast transition (802.11r)                                                | No            |
| Layer 2 roaming                                                          | Yes           |
| Layer 3 roaming                                                          | Yes           |
| AI roaming                                                               | No            |
| 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)<br>WPA3-SAE<br>WPA2-PSK/WPA3-SAE                     | No            |
| Number of blocklists and allowlists based on MAC addresses (single SSID) | 30            |
| Number of global blocklists/allowlists                                   | 256           |
| Mesh management                                                          | No            |
| AP Mesh                                                                  | No            |
| AP portal authentication                                                 | No            |
| Maximum number of devices that can be managed                            | 150           |
| One-Click Network Optimization                                           | No            |
| Static blocklist                                                         | Yes           |

## Software Specifications

| Model                                                               | RG-RAP2200(F)                                                                                                    |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| IP Service                                                          |                                                                                                                  |
| ARP binding                                                         | Yes                                                                                                              |
| IPv4 ping                                                           | Yes                                                                                                              |
| IPv6 ping                                                           | No                                                                                                               |
| Traceroute                                                          | Yes                                                                                                              |
| Static/Dynamic NAT                                                  | Yes                                                                                                              |
| DHCP server                                                         | Yes                                                                                                              |
| IPv6                                                                | No                                                                                                               |
| Authentication                                                      |                                                                                                                  |
| 802.1X authentication                                               | No                                                                                                               |
| Network Management and Monitoring                                   |                                                                                                                  |
| Wireless repeater mode                                              | No                                                                                                               |
| Web login information                                               | Single-device login address: 10.44.77.254<br>Network-wide login address: 10.44.77.253<br>Default password: admin |
| Network-wide configuration and management                           | Yes                                                                                                              |
| Ruijie Reyee App management                                         | Yes                                                                                                              |
| eWeb management                                                     | Yes                                                                                                              |
| Ruijie Cloud management                                             | Yes                                                                                                              |
| SNMP                                                                | No                                                                                                               |
| Configuration synchronization among the app, eWeb, and Ruijie Cloud | Yes                                                                                                              |
| Displaying device information on Ruijie Cloud                       | Yes                                                                                                              |

## Package Contents

| Model            | RG-RAP2200(F)                                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Package Contents |                                                                                                                                                                            |
| Package Contents | 1 x AP<br>1 x Mounting bracket<br>2 x Cross pan head screws (ST4.2 x 20 mm)<br>2 x Plastic expansion anchors ( $\Phi$ 9 x 25.4 mm)<br>1 x User Manual<br>1 x Warranty Card |
| Accessories      |                                                                                                                                                                            |
| Power adapter    | No                                                                                                                                                                         |

*Ruijie* | ReYee

 Redefine your easy network



**Ruijie Networks Co., Ltd.**

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