

# RG-RAP2266

## Reyee Wi-Fi 6 AX3000 Indoor Ceiling-Mount Access Point



### Highlights

- Dual-radio performance, gigabit wireless Ceiling-mounted AP
- Capable of Reyee Mesh and 802.11K/V
- Easy installation, rotating and done
- New circular aesthetics, more in line with the hotel decoration style
- Powerful Standalone Portal via Ruijie Cloud

## Highlight Features

### Wi-Fi AX3000 Dual-band Round Ceiling AP

RG-RAP2266



### Seamless Roaming, Ever Smart Like This

Smart AI Roaming, Based on Cloud Algorithm and Technology of 802.11k/v/r, Guaranteed Smooth and Lag-Free Internet



### Installation With Rotating, Quick and Easy



## Highlight Features

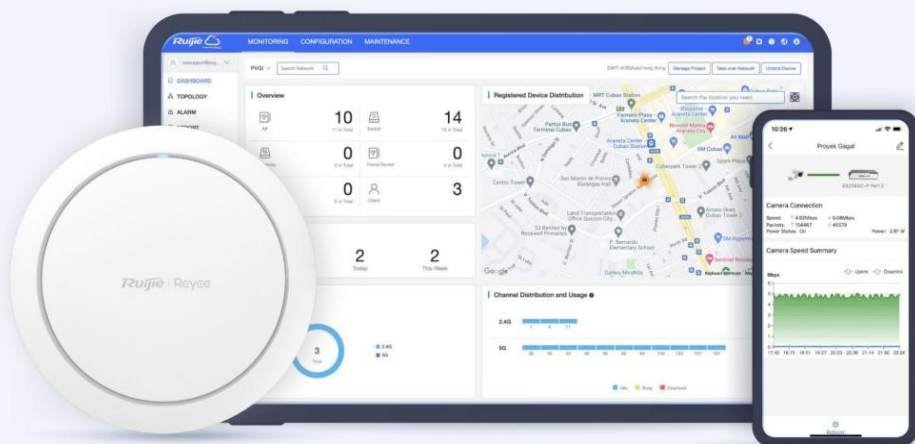
### Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing



### Cloud, Make Your Business Easy

- Self-organizing network
- Cloud portal authentication
- Remote monitoring and maintenance
- Upgrade firmware via Cloud
- APP library dynamically update



## / Product Information

| Model        | RG-RAP2266 |
|--------------|------------|
| Product Type | Ceiling AP |

## / Hardware Specifications

| Model                      | RG-RAP2266                                                                                                                                                                                                                                                                                                          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Wi-Fi 6 (IEEE 802.11ax)                                                                                                                                                                                                                                      |
| 2.4 GHz Wi-Fi              | Wi-Fi 4 (IEEE 802.11b/g/n)<br>Wi-Fi 6 (IEEE 802.11ax)                                                                                                                                                                                                                                                               |
| Operating band             | IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz<br>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<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, MU-MIMO<br>• 5 GHz: 2 x 2, MU-MIMO                                                                                                                                                                                                                             |
| FEM                        | 2.4 GHz: 2 x eFEM<br>5 GHz: 3 x eFEM                                                                                                                                                                                                                                                                                |
| 6 GHz channel width        | No                                                                                                                                                                                                                                                                                                                  |
| 5 GHz channel width        | Auto/20/40/80/160 MHz                                                                                                                                                                                                                                                                                               |
| 2.4 GHz channel width      | Auto/20/40 MHz                                                                                                                                                                                                                                                                                                      |
| Maximum wireless data rate | 2974 Mbps                                                                                                                                                                                                                                                                                                           |
| 6 GHz wireless data rate   | No                                                                                                                                                                                                                                                                                                                  |
| 5 GHz wireless data rate   | 2401 Mbps                                                                                                                                                                                                                                                                                                           |
| 2.4 GHz wireless data rate | 573 Mbps                                                                                                                                                                                                                                                                                                            |

## / Hardware Specifications

| Model                            | RG-RAP2266                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum transmit power           | <p>Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):</p> <p>Note: Country specific restrictions apply.</p> <p>European Union &amp; United Kingdom:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>United States:</p> <p>2400–2483.5 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>5150–5250 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>5250–5350 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm</p> <p>5470–5725 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm</p> <p>5725–5850 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>Myanmar:</p> <p>2400–2483.5 MHz, EIRP ≤ 23 dBm</p> <p>5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia:</p> <p>2400–2483.5 MHz, EIRP ≤ 27 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> |
| Maximum transmit power (6 GHz)   | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum transmit power (5 GHz)   | <p>Combined power: 29.7 dBm (single-stream power: 25 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum transmit power (2.4 GHz) | <p>Combined power: 28 dBm (single-stream power: 25 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Coverage range                   | <p>145 m<sup>2</sup> (1560.77 square ft.)</p> <p>Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Modulation                       | <p>OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps</p> <p>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## / Hardware Specifications

| Model                                  | RG-RAP2266                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | Mbps<br>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and 1024-QAM<br>OFDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Receive sensitivity                    | 11b: -91 dBm (1 Mbps), -88 dBm (5.5 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: 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)<br>11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9)<br>11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11)<br>11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11)<br>11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11)<br>11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) |
| Antenna                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Antenna                                | 2.4 GHz: 2 built-in omnidirectional antennas<br>5 GHz: 3 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 (diameter x height) | Ø220 mm x 52.6 mm (Ø8.66 in. x 2.07 in.) (excluding the mounting bracket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Color                                  | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight                                 | ≤ 0.5 kg (1.10 lbs.) (without packaging materials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipping weight                        | ≤ 0.7 kg (1.54 lbs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Port Specifications                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number of 10/100/1000BASE-T ports      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## / Hardware Specifications

| Model                                   | RG-RAP2266                                                                                                                                                                                                                                                                                    |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, 2 A)                                                                                                                                                                                                                                                       |
| 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></ul> <p>Note: Radio transmission and reception is limited to 2T2R at 2.4 GHz and 5 GHz, and the wireless rate at 5 GHz is 60% of the original rate.</p> <ul style="list-style-type: none"><li>• IEEE 802.3at (PoE+)</li></ul> |
| PoE budget                              | No                                                                                                                                                                                                                                                                                            |
| Maximum power consumption               | 18 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                                                                                                                                                                                                                                                                                           |

# / Hardware Specifications

| Model                 | RG-RAP2266                                                                                         |
|-----------------------|----------------------------------------------------------------------------------------------------|
| 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, FCC, CB, ISED, cTUVus                                                                          |
| System Specifications |                                                                                                    |
| Flash memory          | 128 MB                                                                                             |
| RAM                   | 256 MB DDR3                                                                                        |

## Software Specifications

| Model                                             | RG-RAP2266                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Configurations                              |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AP mode                                           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Routing mode                                      | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Internet access mode                              | Static IP address<br>Static IPv6 address<br>Dynamic IP address<br>Dynamic IPv6 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>512 (5 GHz)<br>512 (2.4 GHz and 5 GHz enabled)                                                                                                                                                                                                                                                                                                                                                                  |
| Recommended number of associated wireless clients | <ul style="list-style-type: none"><li>● Support for IEEE 802.11ax and 160 MHz:<br/>16 (2.4 GHz)<br/>94 (5 GHz)<br/>110 (2.4 GHz and 5 GHz enabled)</li><li>● Support for IEEE 802.11ax and 80 MHz:<br/>16 (2.4 GHz)<br/>84 (5 GHz)<br/>100 (2.4 GHz and 5 GHz enabled)<ul style="list-style-type: none"><li>● Support for IEEE 802.11ac:<br/>16 (2.4 GHz)<br/>64 (5 GHz)<br/>80 (2.4 GHz and 5 GHz enabled)</li></ul></li></ul> |
| Maximum number of SSIDs                           | 8                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Radio-based client limiting                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Layer 2 isolation                                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Software Specifications

| Model                                                                    | RG-RAP2266 |
|--------------------------------------------------------------------------|------------|
| OFDMA                                                                    | Yes        |
| WMM                                                                      | Yes        |
| DFS                                                                      | Yes        |
| MLO                                                                      | No         |
| 4K-QAM                                                                   | No         |
| Different SSIDs for the same VLAN                                        | Yes        |
| Enabling/Disabling MLO                                                   | No         |
| AP load balancing                                                        | Yes        |
| 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)<br>WPA3-SAE<br>WPA2-PSK/WPA3-SAE                     | Yes        |
| Number of blocklists and allowlists based on MAC addresses (single SSID) | 256        |
| Number of global blocklists/allowlists                                   | 256        |

# Software Specifications

| Model                                         | RG-RAP2266                                                                                                       |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Mesh management                               | Yes                                                                                                              |
| AP Mesh                                       | Yes                                                                                                              |
| 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                                                                                                              |
| Authentication                                |                                                                                                                  |
| 802.1X authentication                         | Yes                                                                                                              |
| Network Management and Monitoring             |                                                                                                                  |
| Wireless repeater mode                        | Yes                                                                                                              |
| 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                                          | Yes                                                                                                              |

## Software Specifications

| Model                                                               | RG-RAP2266 |
|---------------------------------------------------------------------|------------|
| Configuration synchronization among the app, eWeb, and Ruijie Cloud | Yes        |
| Displaying device information on Ruijie Cloud                       | Yes        |

## Package Contents

| Model            | RG-RAP2266                                                                                                                                                                 |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>