

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

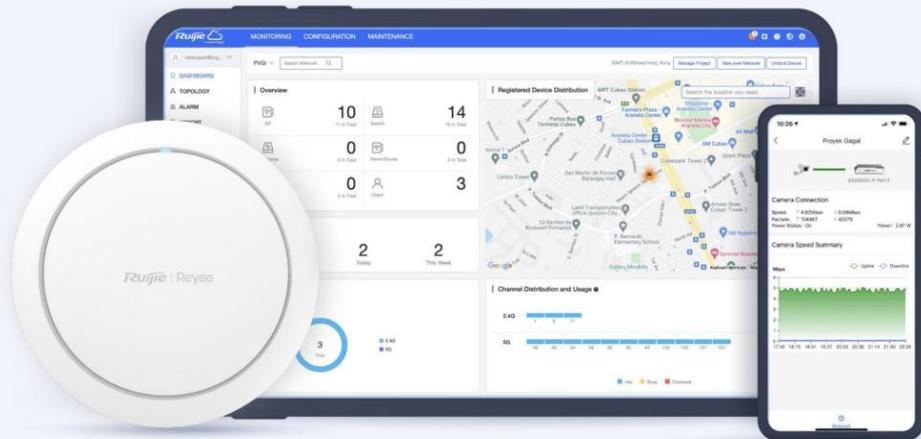
Easily Install Extra AP with Reye Mesh

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) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax) |
| 2.4 GHz Wi-Fi | Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax) |
| Operating band | IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz 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 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 4 spatial streams • 2.4 GHz: 2 x 2, MU-MIMO • 5 GHz: 2 x 2, MU-MIMO |
| FEM | 2.4 GHz: 2 x eFEM 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 & United Kingdom: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>United States: 2400–2483.5 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5150–5250 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm 5250–5350 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5470–5725 MHz, max output power < 24 dBm & EIRP ≤ 30 dBm 5725–5850 MHz, max output power ≤ 30 dBm & EIRP ≤ 36 dBm</p> <p>Myanmar: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm 5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia: 2400–2483.5 MHz, EIRP ≤ 27 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>Vietnam: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm 5725–5850 MHz, EIRP ≤ 30 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 m² (1560.77 square ft.)</p> <p>Note: The data is obtained in an ideal environment without</p> |

Hardware Specifications

| Model | RG-RAP2266 |
|---|--|
| | 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 DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and 1024-QAM OFDMA |
| Receive sensitivity | 11b: -91 dBm (1 Mbps), -88 dBm (5.5 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: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11) |
| Antenna | |
| Antenna | 2.4 GHz: 2 built-in omnidirectional antennas 5 GHz: 3 built-in omnidirectional antennas |
| Antenna horizontal orientation | No |
| Antenna vertical orientation | No |
| Antenna gain (6 GHz) | No |
| Antenna gain (5 GHz) | 5.15 dBi |
| Antenna gain (2.4 GHz) | 3.53 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) |

Hardware Specifications

| Model | RG-RAP2266 |
|-------------------------------------|--|
| Shipping weight | ≤ 0.7 kg (1.54 lbs.) |
| Port Specifications | |
| Number of 10/100/1000BASE-T ports | 1 |
| Reset button | 1 |
| LEDs | 1 x system status LED |
| Power Supply and Consumption | |
| Power supply | <ul style="list-style-type: none">• DC power adapter• PoE/PoE+ Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred. |
| 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.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.) |
| PoE In standard | <ul style="list-style-type: none">• IEEE 802.3af (PoE) 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. <ul style="list-style-type: none">• IEEE 802.3at (PoE+) |
| 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 |

Hardware Specifications

| Model | RG-RAP2266 |
|--|--|
| MTBF | 400,000 hours |
| Certification and Regulatory Compliance | |
| RoHS | Yes |
| Safety compliance | EN 62368-1 |
| EMC | EN 55032 EN 55035 EN 61000-3-3 EN 61000-3-2 EN 301489-1 EN 301489-3 EN 301489-17 |
| RF | EN 300 328 EN 301 893 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 Static IPv6 address Dynamic IP address Dynamic IPv6 address 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) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled) |
| Recommended number of associated wireless clients | <ul style="list-style-type: none"> ● Support for IEEE 802.11ax and 160 MHz: <ul style="list-style-type: none"> 16 (2.4 GHz) 94 (5 GHz) 110 (2.4 GHz and 5 GHz enabled) ● Support for IEEE 802.11ax and 80 MHz: <ul style="list-style-type: none"> 16 (2.4 GHz) 84 (5 GHz) 100 (2.4 GHz and 5 GHz enabled) <ul style="list-style-type: none"> ● Support for IEEE 802.11ac: <ul style="list-style-type: none"> 16 (2.4 GHz) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled) |
| 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) WPA3-SAE 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 blacklist | Yes |
| IP Service | |
| ARP binding | Yes |
| IPv4 ping | Yes |
| IPv6 ping | Yes |
| Traceroute | Yes |
| Static/Dynamic NAT | Yes |
| DHCP server | Yes |
| IPv6 | 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 Network-wide login address: 10.44.77.253 Default password: admin |
| Network-wide configuration and management | Yes |
| Ruijie Reyee App management | Yes |
| eWeb management | Yes |
| Ruijie Cloud management | Yes |

Software Specifications

| Model | RG-RAP2266 |
|---|------------|
| SNMP | Yes |
| 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 1 x Mounting bracket 2 x Cross pan head screws (ST4.2 x 20 mm) 2 x Plastic expansion anchors (ϕ 9 x 25.4 mm) 1 x User Manual 1 x Warranty Card |
| Accessories | |
| Power adapter | No |

Ruijie | REYEE

 Redefine your easy network



Ruijie Networks Co., Ltd.

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