



RG-RAP2200 SERIES

AC1300 DUAL BAND CEILING MOUNT ACCESS POINTS

Product Overview

The Reyee RG-RAP2200 dual-band ceiling mount AP is a high-performance ceiling mount AP for large indoor Wi-Fi coverage. The device supports 802.3af/at PoE and 12V DC local power supply.

Compliant with 802.11a/b/g/n/ac Wave1/Wave2 Wi-Fi protocol, RG-RAP2200 supports MU-MIMO dual-stream technology and offers built-in omnidirectional antennas.

With simultaneous dual band, the unit provides high-speed wireless access of 400Mbps on 2.4GHz, 867Mbps on 5GHz and up to 1267Mbps per AP. Its coverage of over 20 meters makes it an ideal choice for many wireless scenarios, especially in offices, commercial industry, hotels, service scenarios, etc.

The mounting kits support various installation methods including on desktop, ceiling, wall, and pole mount.

RG-RAP2200 Series supports Ruijie's smart networking feature. With the Ruijie Cloud app, users can quickly complete the device deployment and configuration, remote management, operation and maintenance of the entire network.

Users can perform comprehensive local management of the equipment in the network via the Ruijie Cloud app, eWeb management or Ruijie Cloud platform. Users can also share the network to third party for network hosting and collaborative management, thereby achieving simpler, easier to use, more secure and convenient enterprise network operation and maintenance.

Highlights

- **802.11ac Wave2 technology**
- **Auto-provisioning via self-organizing network**
- **Ruijie Cloud management**
- **2x LAN Ports**
- **Seamless layer 3 roaming**

Technical Specifications

| Model | RG-RAP2200(E) | RG-RAP2200(F) |
|-------------------------|---|---|
| Hardware specifications | | |
| Radio | Dual-stream dual-band | |
| Protocol | Concurrent 802.11ac wave2, wave1, 802.11a/b/g/n | |
| Operating Bands | 802.11b/g/n: 2.4GHz ~ 2.4835GHz 802.11a/n/ac: 5GHz: 5.150~5.350GHz, 5.725~5.850GHz | |
| Antenna | Array antennas (2.4GHz: 2dBi, 5GHz: 2dBi) | |
| Spatial Streams | 2.4GHz 2x2MIMO 5GHz 2x2MIMO | |
| Max Throughput | Up to 400Mbps at 2.4GHz Up to 867Mbps at 5GHz 1.267Gbps per AP | |
| Modulation | OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM and 256QAM | |
| Receiver Sensitivity | 11b: -91dBm (1Mbps), -88dBm (5Mbps), -85dBm (11Mbps) 11a/g: -89dBm (6Mbps), -80dBm (24Mbps), -76dBm (36Mbps), -71dBm (54Mbps) 11n: -83dBm@MCS0, -65dBm@MCS7, -83dBm@MCS8, -65dBm@MCS15 11ac HT20: -83dBm (MCS0), -57dBm (MCS9) 11ac HT40: -79dBm (MCS0), -57dBm (MCS9) 11ac HT80: -76dBm (MCS0), -51dBm (MCS9) | |
| Maximum Transmit Power | 5.725~5.850GHz: ≤20dBm (EIRP) 5.150~5.350GHz: ≤20dBm (EIRP) 2.4~2.4835GHz: ≤20dBm (EIRP) | |
| Adjustable Power | 1dBm | |
| Dimensions | 194mm×194mm×35mm (excluding mounting kits) | |
| Weight | 0.45kg (excluding mounting kits) | |
| Service Ports | 2x 10/100/1000 Mbps Ethernet ports, PoE/LAN1 port supports PoE | 2x 10/100 Mbps Ethernet ports, PoE/LAN1 port supports PoE |
| Management Port | NA | |
| LED Indicator | Single indicator (green light) | |
| Power Supply | Local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory) 802.3af/802.3at PoE | |
| Power Consumption | ≤ 12.95W | |

| Model | RG-RAP2200(E) | RG-RAP2200(F) |
|------------------------------|--|---------------|
| Environment | Operating temperature: 0°C~40°C Storage temperature: -40°C~70°C Operating humidity: 5%~95% (non-condensing) Storage humidity: 5%~95% (non-condensing) | |
| Installation | Wall-mount, ceiling-mount | |
| Safety Standard | GB4943, IEC 60950-1 | |
| EMC Standard | GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035 | |
| Vibration Standard | IEC61373 | |
| Radio Standard | SRRC certification, EN300 328, EN301 893 | |
| MTBF | >400000H | |
| Software Features | | |
| Operating Mode | AP mode and routing mode | |
| WLAN | Maximum number of clients: 110 | |
| | Recommended number of clients: 40 (8 at 2.4GHz, 32 at 5GHz) | |
| | Up to 8 SSIDs | |
| | Support SSID hiding | |
| | Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID | |
| | SSID-based and radio-based STA limit | |
| Roaming | Support Layer 2 user isolation | |
| | Support Layer 2 and Layer 3 roaming | |
| Security | Support PSK authentication | |
| | Support static blacklist and whitelist | |
| | Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption | |
| Routing | Support static IP address, DHCP, PPPoE Dial Up | |
| Management and maintenance | Support unified networking of all network equipment | |
| | Support local or remote management with Ruijie Cloud app | |
| | Support local management with web | |
| Platform management features | Support remote management with Ruijie Cloud platform | |
| | Automatic RF adjustment via the platform | |
| | Unified configuration via the platform | |
| | Unified monitoring via the platform | |