

# RG-RAP2260(G)

## Reyee Wi-Fi 6 AX1800 Indoor Ceiling Access Point

DATASHEET

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### Highlights

- Build Ultra-High-Performance Network with 1775 Mbps Wireless Throughput.
- Access Capacity Over 500, with Higher Practical Performance for Users.
- Boost Internet Speed with 1 Gbps Uplink.
- Easily Install Extra AP with Reyee Mesh Technology.
- Set Up Wi-Fi 6 Network in 3 Minutes with Ruijie Cloud APP.

# Specifications

| Model  |                      | RG-RAP2260(G)  |
|--|----------------------|--|
| <b>Hardware Specifications</b>   |                      |  |
| <b>Wi-Fi Protocols</b>   | 5 GHz                | Wi-Fi 4: IEEE 802.11a/n<br>Wi-Fi 5: IEEE 802.11ac Wave2<br>Wi-Fi 6: IEEE 802.11ax  |
|  | 2.4 GHz              | Wi-Fi 4:IEEE 802.11b/g/n<br>Wi-Fi 6:IEEE 802.11ax  |
| <b>Operating Frequency Bands<br/>(country-specific restrictions apply)</b> | 5 GHz                | 5.150 GHz to 5.350 GHz,<br>5.470 GHz to 5.725 GHz,<br>5.725 GHz to 5.850 GHz   |
|  | 2.4 GHz              | 2.400 GHz to 2.4835 GHz  |
| <b>Spatial Streams</b>   | 5 GHz                | 2 spatial streams, 2x2 MIMO  |
|  | 2.4 GHz              | 2 spatial streams, 2x2 MIMO  |
| <b>Antenna</b>   | Omni-directional     | Yes  |
|  | 5 GHz Antenna Gain   | 3.0dBi   |
|  | 2.4 GHz Antenna Gain | 3.0dBi   |
| <b>Channel Width</b>   | 5 GHz                | Auto/20/40/80 MHz  |
|  | 2.4 GHz              | Auto/20/40 MHz   |
| <b>Data Rate</b>   | Max Throughput       | 1774Mbps   |
|  | 5 GHz                | 1201Mbps   |
|  | 2.4 GHz              | 573Mbps  |
| <b>Max. Transmit Power</b>   | 5 GHz                | ≤200mW(23dBm)  |
|  | 2.4 GHz              | ≤200mW(23dBm)  |
| <b>Wi-Fi Coverage</b>  | Optimal Coverage     | N/A  |
| <b>Modulation</b>  | Modulation           | OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps<br>DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps<br>MIMO-OFDM: BPSK, QPSK, 16QAM , 64QAM, 256QAM and1024QAM<br>OFDMA |

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| <b>Hardware Specifications</b> |   |  |
| <b>Receiver Sensitivity</b>    | Receiver Sensitivity                                | 11b: -91dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps)<br>11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(54Mbps)<br>11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15)<br>11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9)<br>11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9)<br>11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9)<br>11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11)<br>11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11)<br>11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11) |
| <b>Dimensions (W x D x H)</b>  | Dimensions (excluding mounting kits)                | 194 mm x 194 mm x 35 mm<br>(7.64 in. x 7.64 in. x 1.38 in.)  |
| <b>Weight</b>                  | excluding mounting kits                             | ≤ 0.55 kg (1.21 lbs.)  |
| <b>Service Ports</b>           | Number of 10/100/1000BASE-T Ports                   | 2<br>(1 port supports 802.3at PoE)   |
|                                | Number of 10/100/1000/2500BASE-T Ports              | 0  |
|                                | Number of 100/1000/2.5G/5G/10GBASE-T Ethernet Ports | 0  |
|                                | Number of 1 Gbps Optical Ports (SFP)                | 0  |
|                                | Number of 10 Gbps Optical Ports (SFP+)              | 0  |
| <b>Power Supply</b>            | DC(Local Power)                                     | Yes(12V/1.5A)  |
|                                | DC Port Dimensions                                  | Outer Diameter: 5.5 mm<br>Inner Diameter: 2.1 mm<br>Length: 10 mm  |
|                                | 802.3af   | No   |
|                                | 802.3at   | Yes  |
|                                | 802.3bt   | N/A  |
|                                | 48 V passive PoE                                    | N/A  |

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|---|-------------------------------|---|
| <b>Hardware Specifications</b>                  |                               |   |
| <b>PoE Out</b>                                  | Max. PoE Wattage by PSE       | No  |
| <b>Power Consumption</b>                        | Power Consumption             | < 15.5W   |
| <b>Power Adapter</b>                            | Power Adapter                 | No  |
| <b>Buttons</b>                                  | Button                        | 1 × Factory reset   |
| <b>LEDs</b>                                     | LEDs                          | 1 × System LED indicator(green)                                     |
| <b>Environment</b>                              | 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% to 95% (non-condensing)  |
|   | Storage Humidity              | 5% to 95% (non-condensing)  |
| <b>Mounting</b>                                 | Ceiling-mount                 | Yes   |
|   | Wall-mount                    | No  |
|   | Pole-mount                    | No  |
| <b>Compliance Standards</b>                     | Health                        | EN IEC 62311:2020   |
|   | Spectrum                      | EN 300 328 V2.2.2<br>EN 301 893 V2.1.1<br>EN 300 440 V2.2.1         |
| <b>Weatherproof</b>                             | IP Rating                     | IP41  |
|   | Lightning Protection/ Surge   | ±2 kV   |
| <b>Software Specifications</b>                  |                               |   |
| <b>Operating Mode (AP Mode and Router Mode)</b> | Router Mode                   | Yes   |
|   | AP Mode                       | Yes   |
| <b>WLAN</b>                                     | Recommended Number of Clients | 11ax STA:<br>16(2.4G)+84(5G)=100<br>11ac STA:<br>16(2.4G)+64(5G)=80 |

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|--------------------------------|--------------------------------|-----|
| <b>Software Specifications</b> |                                |     |
| <b>WLAN</b>                    | Max. Number of SSIDs           | 8   |
|                                | Radio-based STA Limit          | Yes |
|                                | Layer 2 Client Isolation       | Yes |
|                                | OFDMA Subcarrier               | Yes |
|                                | OFDMA                          | Yes |
|                                | Wi-Fi Multimedia (WMM)         | Yes |
|                                | 802.1Q VLAN                    | Yes |
|                                | Multi-Link Operation (MLO)     | No  |
|                                | 4K-QAM                         | No  |
|                                | Same SSID for Different VLANs  | Yes |
|                                | AP Load Balancing Management   | No  |
|                                | IGMP Snooping                  | No  |
|                                | RF Beamforming                 | Yes |
| <b>Roaming</b>                 | 802.11k/v                      | Yes |
|                                | 802.11r                        | Yes |
|                                | Layer 2 Roaming                | Yes |
|                                | Layer 3 Roaming                | Yes |
|                                | AI Roaming                     | Yes |
| <b>Security</b>                | PSK Authentication             | Yes |
|                                | Static Blocklist and Allowlist | Yes |

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|-----------------------------------|--|-----|
| <b>Software Specifications</b>    |  |     |
| <b>Security</b>                   | WPA (TKIP), WPA2 (AES), and WPA-PSK                  | Yes |
|                                   | OWE (Enhanced Open)<br>WPA3-SAE<br>WPA2-PSK/WPA3-SAE | Yes |
|                                   | 802.1X   | Yes |
|                                   | ARP Check  | No  |
|                                   | IP Source Guard                                      | No  |
|                                   | LLDP   | No  |
|                                   | Static ARP Binding                                   | Yes |
|                                   | Proxy ARP  | No  |
|                                   | Ping   | Yes |
|                                   | Traceroute   | Yes |
| <b>Routing</b>                    | NAT  | Yes |
|                                   | Static IP Address                                    | Yes |
|                                   | DHCP Server  | Yes |
|                                   | PPPoE Client<br>PPPoE Dial-up                        | Yes |
| <b>AP Mesh</b>                    | Mesh Management                                      | Yes |
|                                   | Reyee Mesh   | Yes |
| <b>Standalone Portal</b>          | Captive Portal                                       | Yes |
|                                   | Bandwidth Limit                                      | Yes |
|                                   | Data Quota   | No  |
| <b>Management and Maintenance</b> | Default Access/Password                              | Yes |

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|-------------------------------------|--|---------------|
| <b>Software Specifications</b>      |  |               |
| <b>Management and Maintenance</b>   | No. of APs on a Self-Organizing Network  | 300           |
|                                     | Unified Networking for All Network Equipment   | Yes           |
|                                     | Local or Remote Management via Ruijie Reyee App  | Yes           |
|                                     | Local Management via the Web Interface   | Yes           |
|                                     | Remote Management via Ruijie Cloud   | Yes           |
|                                     | SNMP   | Yes           |
| <b>Platform Management Features</b> | Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed. | Yes           |
|                                     | Unified Configuration via Ruijie Cloud   | Yes           |
|                                     | Unified Monitoring via Ruijie Cloud  | Yes           |
| <b>Others</b>                       |  |               |
| <b>Flash</b>                        | Flash  | 16MB          |
| <b>Memory</b>                       | Memory   | 256MB         |
| <b>Color of AP Enclosure</b>        | Color of AP Enclosure  | Warm White    |

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