

RG-RAP73HD

Reyee Wi-Fi 7 Tri-Band BE19000 Ceiling Access Point

DATASHEET

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Highlights

- Tri-Band Performance, 6G/320MHz Brings Extra-High Wireless Rate
- Better Streaming Experience with Wi-Fi 7 Exclusive Feature MLO
- Increase the High-Density Access Capacity Up to 1500
- 4k-QAM, Deliver Data Packs Better for Higher Speeds
- Capable of Enterprise Switch to Build Professional Office Network

Specifications

| Model | | RG-RAP73HD |
|--|----------------------|--|
| Hardware Specifications | | |
| Wi-Fi Protocols | 6 GHz | Wi-Fi 6: IEEE 802.11ax Wi-Fi 7:IEEE 802.11be |
| | 5 GHz | Wi-Fi 4: IEEE 802.11a/n Wi-Fi 5: IEEE 802.11ac Wave2 Wi-Fi 6: IEEE 802.11ax Wi-Fi 7:IEEE 802.11be |
| | 2.4 GHz | Wi-Fi 4:IEEE 802.11b/g/n Wi-Fi 6:IEEE 802.11ax Wi-Fi 7:IEEE 802.11be |
| Operating Frequency Bands (country-specific restrictions apply) | 6 GHz | 5.925 GHz to 7.125 GHz |
| | 5 GHz | 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz |
| | 2.4 GHz | 2.400 GHz to 2.4835 GHz |
| Spatial Streams | 6 GHz | 4 spatial streams, 4x4 MIMO |
| | 5 GHz | 4 spatial streams, 4x4 MIMO |
| | 2.4 GHz | 4 spatial streams, 4x4 MIMO |
| Antenna | Omni-directional | Yes |
| | 6 GHz Antenna Gain | 5.0dBi |
| | 5 GHz Antenna Gain | 4.0dBi |
| | 2.4 GHz Antenna Gain | 3.0dBi |
| Channel Width | 6 GHz | Auto/20/40/80/160/320 MHz |
| | 5 GHz | Auto/20/40/80/160 MHz |
| | 2.4 GHz | Auto/20/40 MHz |
| Data Rate | Max Throughput | 18668Mbps |
| | 6 GHz | 11528Mbps |
| | 5 GHz | 5764Mbps |
| | 2.4 GHz | 1376Mbps |

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| Max. Transmit Power | 6 GHz | ≤200mw(23dBm) |
| | 5 GHz | ≤316mw(25dBm) |
| | 2.4 GHz | ≤316mw(25dBm) |
| Wi-Fi Coverage | Optimal Coverage | 70 |
| Modulation | Modulation | OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, and 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, 1024-QAM, and 4096-QAM OFDMA |
| Receiver Sensitivity | Receiver Sensitivity | 11b: -91dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(54Mbps) 11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15) 11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9) 11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9) 11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9) 11ac: 160MHz: -76dBm(MCS0), -50dBm(MCS9) 11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11) 11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11) 11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11) 11ax: 160MHz: -76dBm(MCS0), -49dBm(MCS11) 11be: 20MHz: -85dBm(MCS0), -52dBm(MCS13) 11be: 40MHz: -82dBm(MCS0), -49dBm(MCS13) 11be: 80MHz: -82dBm(MCS0), -46dBm(MCS13) 11be: 160MHz: -79dBm(MCS0), -44dBm(MCS13) 11be: 320MHz: -76dBm(MCS0), -41dBm(MCS13) |
| Dimensions (W x D x H) | Dimensions (excluding mounting kits) | 258 mm x 258 mm x 59.5 mm (10.16 in. x 10.16 in. x 2.34 in.) |
| Weight | excluding mounting kits | ≤ 2.0kg (4.41 lbs.) |
| Service Ports | Number of 10/100/1000BASE-T Ports | 1 |
| | Number of 100/1000/2.5G/5G/10 GBASE-T Ethernet Ports | 1 (supports 802.3bt PoE) |
| | Number of 10 Gbps Optical Ports (SFP+) | 1 |

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| Hardware Specifications | | |
| Power Supply | DC(Local Power) | Yes(48V/1.48A) |
| | DC Port Dimensions | Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm |
| | 802.3af | No |
| | 802.3at | Yes(2T2R) |
| | 802.3bt | Yes |
| | 48 V passive PoE | Yes(60W) |
| PoE Out | Max. PoE Wattage by PSE | No |
| Power Consumption | Power Consumption | < 60W |
| Power Adapter | Power Adapter | Yes |
| Buttons | Button | 1 × Factory reset |
| LEDs | LEDs | 1 × System LED indicator(blue) |
| Environment | 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) |
| Mounting | Ceiling-mount | Yes |
| | Wall-mount | Yes |
| | Pole-mount | No |
| Compliance Standards | Health | EN IEC 62311:2020 |
| | Spectrum | EN 300 328 V2.2.2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1 Draft EN 303 687 V1.0.0 |

Specifications

| Model | RG-RAP73HD | |
|---|-------------------------------|---|
| Software Specifications | | |
| Operating Mode (AP Mode and Router Mode) | Router Mode | Yes |
| | AP Mode | Yes |
| WLAN | Recommended Number of Clients | BW160 11BE/AX: 16(2.4G)+114(5G)+120(6G) =250 BW80 11AX: 16(2.4G)+84(5G)=100 11AC: 16(2.4G)+64(5G)=80 |
| | Max. Number of SSIDs | 8 |
| | Radio-based STA Limit | Yes |
| | Layer 2 Client Isolation | Yes |
| | OFDMA Subcarrier | Yes |
| | OFDMA | Yes |
| | Target Wake Time (TWT) | No |
| | Wi-Fi Multimedia (WMM) | Yes |
| | 802.1Q VLAN | Yes |
| | Multi-Link Operation (MLO) | Yes |
| | 4K-QAM | Yes |
| | Same SSID for Different VLANs | Yes |
| | Roaming | 802.11k/v |
| 802.11r | | Yes |
| Layer 2 Roaming | | Yes |
| Layer 3 Roaming | | Yes |
| AI Roaming | | Yes |
| Security | PSK Authentication | Yes |

Specifications

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| Software Specifications | | |
| Security | Static Blocklist and Allowlist | Yes |
| | WPA (TKIP), WPA2 (AES), and WPA-PSK | Yes |
| | OWE (Enhanced Open) WPA3-SAE 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 |
| Routing | NAT | Yes |
| | Static IP Address | Yes |
| | DHCP Server | Yes |
| | PPPoE Client PPPoE Dial-up | Yes |
| AP Mesh | Mesh Management | Yes |
| | Reyee Mesh | Yes |
| Standalone Portal | Captive Portal | Yes |
| | Bandwidth Limit | Yes |
| | Data Quota | No |

Specifications

| Model | | RG-RAP73HD |
|-------------------------------------|--|---------------|
| Software Specifications | | |
| Management and Maintenance | Default Access/Password | Yes |
| | 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 |
| Platform Management Features | 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 |
| Others | | |
| Flash | Flash | 256MB |
| Memory | Memory | 2048MB |
| Color of AP Enclosure | Color of AP Enclosure | Warm WhiteW-2 |

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