

RG-RAP72Pro

Wi-Fi 7 BE5040 Dual-Band Ceiling Access Point

DATASHEET

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Highlights

- Next-Generation Performance with Wi-Fi 7, Delivering Extra-High Wireless Speeds
- Superior Streaming with Wi-Fi 7's Exclusive MLO Feature
- Compact Design And Easy Installation
- Enhanced Data Transmission with 4K-QAM For Faster Speeds
- Ideal For Integrating with Enterprise Switches To Create A Robust Office Network

Highlight Features

Reyee Wi-Fi 7 BE5040 Dual-Band Ceiling Access Point RG-RAP72Pro



Entry-Level Wi-Fi 7 Ceiling
Up to 5 Gbps

MLO

Multi-Link Operation
2.4 GHz 2x2
5 GHz 3x3

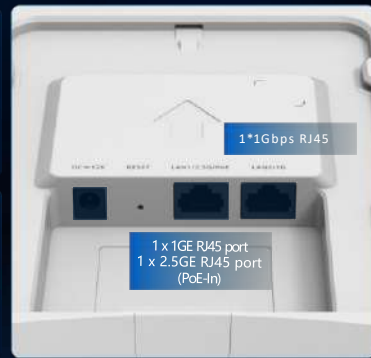
1024
10 bits/symbol

4096
12 bits/symbol



MRU

(Multi-Resource Unit)



Reyee Cloud

Reyee AP Mesh



Highlight Features

Application Scenarios

Immersive AR/VR



Experience a bustling digital world

8K Streaming



No more buffering, delays, or congestion for streaming

Live Recording



Delve into details on what you want to discuss

Video Conference



Run a lag-free meeting across time zones with global partners and hash out ideas

Cloud

Reyee AP Mesh

Multiple wireless access points form a mesh network, simplifying simplifying wireless networking

MLO

MLO allows devices to use channels across different bands, enabling simultaneous transmission and over multiple links

WIO

With WIO (Wi-Fi Intelligent Optimization) technology, your wireless network is just a click away.

WIO

Make authentication secured and advertisement vivid

Specifications

| Model | | RG-RAP72Pro |
|--|----------------------|---|
| Hardware Specifications | | |
| Wi-Fi Protocols | 5 GHz | Wi-Fi4: IEEE 802.11 a/n Wi-Fi5: IEEE 802.11 ac Wave2 Wi-Fi6: IEEE 802.11 ax Wi-Fi7: IEEE 802.11 be |
| | 2.4 GHz | Wi-Fi4: IEEE 802.11 b/g/n Wi-Fi6: IEEE 802.11 ax Wi-Fi7: IEEE 802.11 be |
| Operating Frequency Bands (country-specific restrictions apply) | 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 | 5 GHz | 3 spatial streams, 3x3 MIMO |
| | 2.4 GHz | 2 spatial streams, 2x2 MIMO |
| Antenna | Omni-directional | Yes |
| | 5 GHz Antenna Gain | 2.0dBi |
| | 2.4 GHz Antenna Gain | 3.0dBi |
| Channel Width | 5 GHz | Auto/20/40/80/160 MHz |
| | 2.4 GHz | Auto/20/40 MHz |
| Data Rate | Max Throughput | 5011Mbps |
| | 5 GHz | 4323Mbps |
| | 2.4 GHz | 688Mbps |
| Max. Transmit Power | 5 GHz | 25dBm |
| | 2.4 GHz | 24dBm |
| Wi-Fi Coverage | Optimal Coverage | N/A |
| 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 |

Specifications

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|--------------------------------|---|---|
| Hardware Specifications | | |
| Receiver Sensitivity | Receiver Sensitivity | 11b: -91 dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71 dBm(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), -51 dBm(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) |
| Dimensions (W x D x H) | Dimensions (excluding mounting kits) | 208 mm x 208 mm x 40 mm (8.19 in. x 8.19 in. x 1.57 in.) |
| Weight | excluding mounting kits | ≤ 0.65 kg (1.43 lbs.) |
| Service Ports | Number of 10/100/1000BA SE-T Ports | 1 |
| | Number of 10/100/1000/2500BASE-T Ports | 1 |
| | Number of 100/1000/2.5G/5G/10GBASE-T Ethernet Ports | 0 |
| Power Supply | DC(Local Power) | Yes (12V/2.5A) |
| | DC Port Dimensions | Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm |
| | 802.3af | Yes(1T1R) |
| | 802.3at | Yes |
| | 802.3bt | N/A |
| | 48 V passive PoE | N/A |

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| Hardware Specifications | | |
| PoE Out | Max. PoE Wattage by PSE | No |
| Power Consumption | Power Consumption | < 30W |
| Power Adapter | Power Adapter | No |
| 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 |
| Weatherproof | IP Rating | IP41 |
| | Lightning Protection/Surge | ±2 KV |
| Software Specifications | | |
| Operating Mode (AP Mode and Router Mode) | Router Mode | Yes |
| | AP Mode | Yes |

Specifications

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|--------------------------------|-------------------------------------|---|
| Software Specifications | | |
| WLAN | Recommended Number of Clients | BW160 11BE/AX:16(2.4G)+94(5G)=110 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 |
| Roaming | Same SSID for Different VLANs | Yes |
| | 802.11k/v | Yes |
| | 802.11r | Yes |
| | Layer 2 Roaming | Yes |
| | Layer 3 Roaming | Yes |
| Security | AI Roaming | Yes |
| | PSK Authentication | Yes |
| | Static Blocklist and Allowlist | Yes |
| | WPA (TKIP), WPA2 (AES), and WPA-PSK | Yes |

Specifications

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|-----------------------------------|--|-----|
| Software Specifications | | |
| Security | 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 |
| Management and Maintenance | Default Access/Password | Yes |
| | No. of APs on a Self-Organizing Network | 300 |

Specifications

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|-------------------------------------|--|-------------|
| Software Specifications | | |
| Management and Maintenance | Unified Networking for All Network Equipment | Yes |
| | Local or Remote Management via Ruijie Reeye 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 | 512MB |
| Color of AP Enclosure | Color of AP Enclosure | Warm White |

Ruijie | Reyee

Redefine your easy network

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