

RG-RAP72

Wi-Fi 7 BE3600 Ceiling Access Point

DATASHEET

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Highlights

- Wi-Fi 7 BE3600 Dual-Radio, Gigabit Wireless Ceiling-Mounted AP For Villas and Retail
- Support Reyee Mesh & AI Wireless Optimization (WIO)
- Easy Installation, Compact Size
- Sleek Circular Design, more in line with the hotel decoration style
- Powerful Standalone Portal via Ruijie Cloud

/ Highlight Features

Next-Gen Speed, Within Reach



WiFi-7

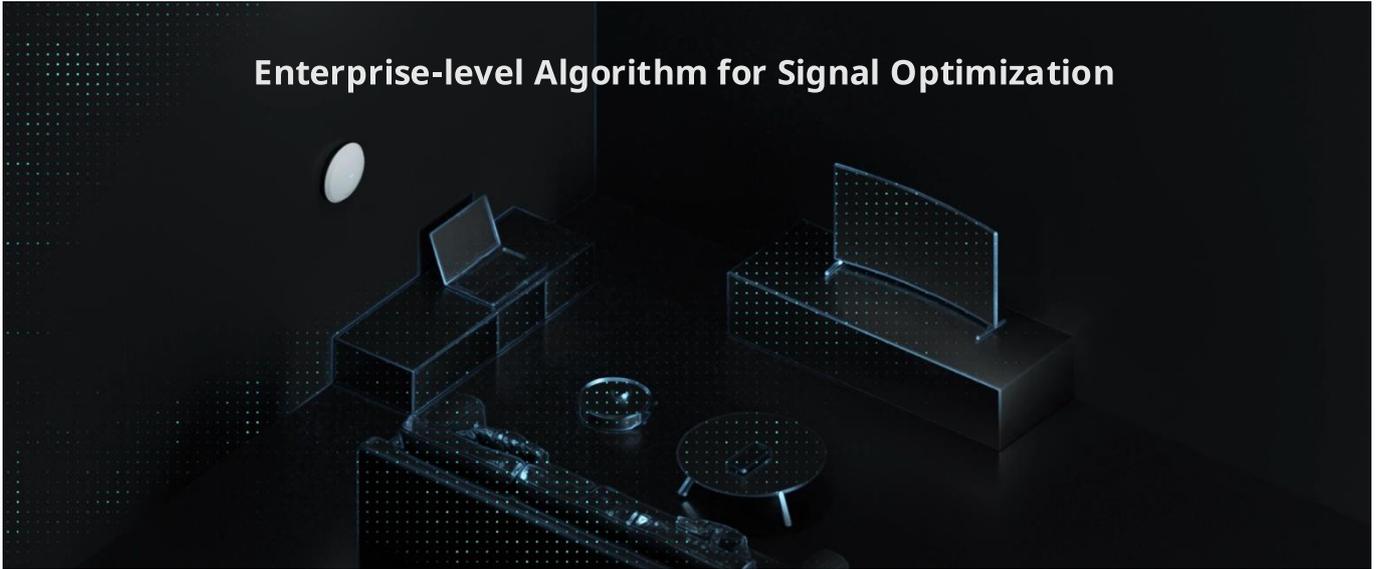
Pro Performance, Starter Price

Wi-Fi 7 | 2.5 GbE Port | BE3600



Highlight Features

Enterprise-level Algorithm for Signal Optimization



Pro Performance, Starter Price

Coverage: 110 m² vs **Standard 140 m² @ 5 GHz**



Traditional WiFi 6 devices: 110 m² / 1184.03 sq. ft.

RAP72: 140 m² / 1506.95 sq. ft.

Actual Speed: 2,714 Mbps (Lab Environment)

2700 Mbps

Highlight Features

Where Minimalism Meets Signal Mastery

From Polygon Concepts to
Optimal Omni-Directional Form



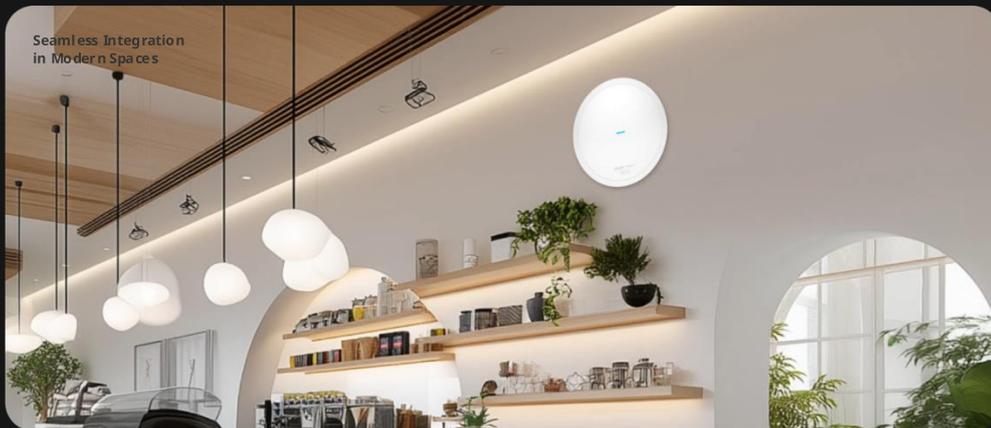
Where Minimalism Meets Signal Mastery

Seamless Integration
in Modern Spaces



Where Minimalism Meets Signal Mastery

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Highlight Features

Where Minimalism Meets Signal Mastery



Seamless Integration
in Modern Spaces



One More Device, Endless Possibilities

Office Area
100+ Concurrent Connections



Game Zone
< 10 ms Latency Guaranteed



Home scene
- 20 °C to 60 °C Operational Range



Evolving Design, Consistent Excellence



Highlight Features

4K QAM

Delivers up to 20% faster data speeds for ultra-responsive streaming and gaming

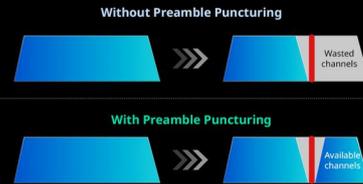
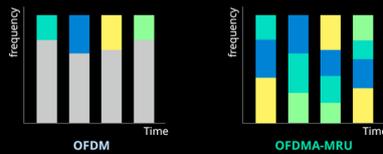


Multi-Link Operation

Ensures seamless connectivity and reduced lag by simultaneously bonding 2.4 GHz and 5 GHz bands

Preamble Puncturing

Maximizes usable bandwidth in crowded environments by bypassing interference-prone channels



Multiple Resource Units

Boosts network efficiency and capacity for smooth performance with multiple connected devices

Cloud, Make Your Business Easy

Reyee Mesh
Reduce Cabling Costs

Standalone AP Portal
Free & Easy

WIO 3
Powered by AI

Heatmap
Visualizing the Installation Process



Specifications

| Model | | RG-RAP72 |
|--|--------------------------------------|---|
| Hardware Specifications | | |
| Wi-Fi Protocols | 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) | 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 | 2 spatial streams, 2x2 MIMO |
| | 2.4 GHz | 2 spatial streams, 2x2 MIMO |
| Antenna | Omni-directional Antenna | Yes |
| | 5 GHz Antenna Gain | 4.44 dBi |
| | 2.4 GHz Antenna Gain | 3.23 dBi |
| Channel Width | 5 GHz | Auto/20/40/80/160 MHz |
| | 2.4 GHz | Auto/20/40 MHz |
| Data Rate | Max. Throughput | 3570 Mbps |
| | 5 GHz | 2882 Mbps |
| | 2.4 GHz | 688 Mbps |
| 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 |
| Dimensions (Ø x H) | Dimensions (excluding mounting kits) | φ195 mm x 41 mm (7.68 in. x 1.61 in.) (excluding the mounting bracket) |

Specifications

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|--------------------------------|--|---|
| Hardware Specifications | | |
| Max. Transmit Power | 5 GHz (per chain) | Combined power: 25.7 dBm (single-stream power: 21 dBm) Note: The transmit power varies according to regulations in different countries and regions. |
| | 2.4 GHz (per chain) | Combined power: 25 dBm (single-stream power: 22 dBm) Note: The transmit power varies according to regulations in different countries and regions. |
| | Standard Format | Frequency bands and maximum Effective Isotropic Radiated Power (EIRP): Note: Country specific restrictions apply. European Union & United Kingdom 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm Myanmar: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 30 dBm 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 Indonesia: 2400–2483.5 MHz, EIRP ≤ 27 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 23 dBm Egypt: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm |
| Receiver Sensitivity | Receiver 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) 11be: 20 MHz: -85 dBm (MCS0), -52 dBm (MCS13) 11be: 40 MHz: -82 dBm (MCS0), -49 dBm (MCS13) 11be: 80 MHz: -82 dBm (MCS0), -46 dBm (MCS13) 11be: 160 MHz: -79 dBm (MCS0), -44 dBm (MCS13) |
| Service Ports | Number of 10/100/1000/2.5GBASE-T Ports | 1 |

Specifications

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|--------------------------------|----------------------------------|---|
| Hardware Specifications | | |
| Power Supply | DC (Local Power) | Yes (12 V, 1.5 A) |
| | DC Connector Dimensions | Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.) |
| | 802.3af (PoE) | Yes |
| | 802.3at (PoE+) | Yes |
| PoE Out | Max. PoE Wattage by PSE | No |
| Power Consumption | Power Consumption | ≤ 14 W |
| Power Adapter | Power Adapter | No |
| Button | Button | 1 x Factory reset |
| Status LED | Status LED | 1 x 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% RH to 95% RH (non-condensing) |
| | Storage Humidity | 5% RH to 95% RH (non-condensing) |
| Mounting | Ceiling-mount | Yes |
| | Wall-mount | Yes |
| | Pole-mount | No |
| Regulatory Compliance | Health | EN IEC 62311 |
| | Spectrum | EN 300 328 EN 301 893 EN 300 440 |
| Weather Resistance | IP Rating | IP41 |
| | Lightning Protection/Surge | ±2 kV |
| Weight | Weight (excluding mounting kits) | ≤ 0.6 kg (1.32 lbs.) |

Specifications

| Model | | RG-RAP72 |
|---|--|---|
| Software Specifications | | |
| Operating Mode (AP Mode and Router Mode) | Router Mode | Yes |
| | AP Mode | Yes |
| WLAN | Recommended Number of Associated Clients | BW160 11BE/AX: 16 (2.4 GHz) + 84 (5 GHz) = 100 BW80 11AX: 16 (2.4 GHz) + 52 (5 GHz) = 68 11AC: 12 (2.4 GHz) + 32 (5 GHz) = 44 |
| | Max. Number of SSIDs | 8 |
| | Radio-based Client Limiting | Yes |
| | Layer 2 Client Isolation | Yes |
| | OFDMA Subcarrier | Yes |
| | OFDMA | Yes |
| | Wi-Fi Multimedia (WMM) | Yes |
| | 802.1Q VLAN | Yes |
| | Multi-Link Operation (MLO) | Yes |
| | 4K-QAM | Yes |
| | Same SSID for Different VLANs | Yes |
| | AP Load Balancing | Yes |
| | IGMP Snooping | No |
| | RF Beamforming | Yes |
| | Roaming | 802.11k/v |
| 802.11r | | Yes |
| Layer 2 Roaming | | Yes |
| Layer 3 Roaming | | Yes |
| AI Roaming | | Yes |

Specifications

| Model | RG-RAP72 | |
|--------------------------------|--|-----|
| Software Specifications | | |
| Security | PSK Authentication | Yes |
| | 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 |

Specifications

| Model | RG-RAP72 | |
|-------------------------------------|--|-----|
| Software Specifications | | |
| Standalone Portal | Captive Portal | Yes |
| | Bandwidth Limiting | Yes |
| | Data Quota | No |
| Management and Maintenance | Default Access/ Password | Yes |
| | Number of APs on a Self-Organizing Network | 300 |
| | Unified Networking for All Network Equipment | Yes |
| | Local or Remote Management Through Ruijie Reeye App | Yes |
| | Local Management Through the Web Interface | Yes |
| | Remote Management Through 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 Through Ruijie Cloud | Yes |
| | Unified Monitoring Through Ruijie Cloud | Yes |

Specifications

| Model | | RG-RAP72 |
|-----------------------|-----------------------|------------------|
| Others | | |
| Flash | Flash | 256 MB |
| Memory | Memory | 512 MB |
| Color of AP Enclosure | Color of AP Enclosure | Ruijie White W-1 |

Ruijie | ReYee

 **Redefine your easy network**

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