

RG-RAP72

Wi-Fi 7 BE3600 Ceiling-Mount Access Point



Highlights

- AI-powered Wi-Fi 7 ceiling-mount AP with dual-radio performance
- Support AI Optimization (WIO 3.0)
- Easy installation, compact size
- New circular design, seamlessly blending with different decoration styles
- Tailored for business needs with Reyee Mesh, standalone portal, and AI roaming features

/ Highlight Features

Next-Gen Speed, Within Reach



WiFi-7

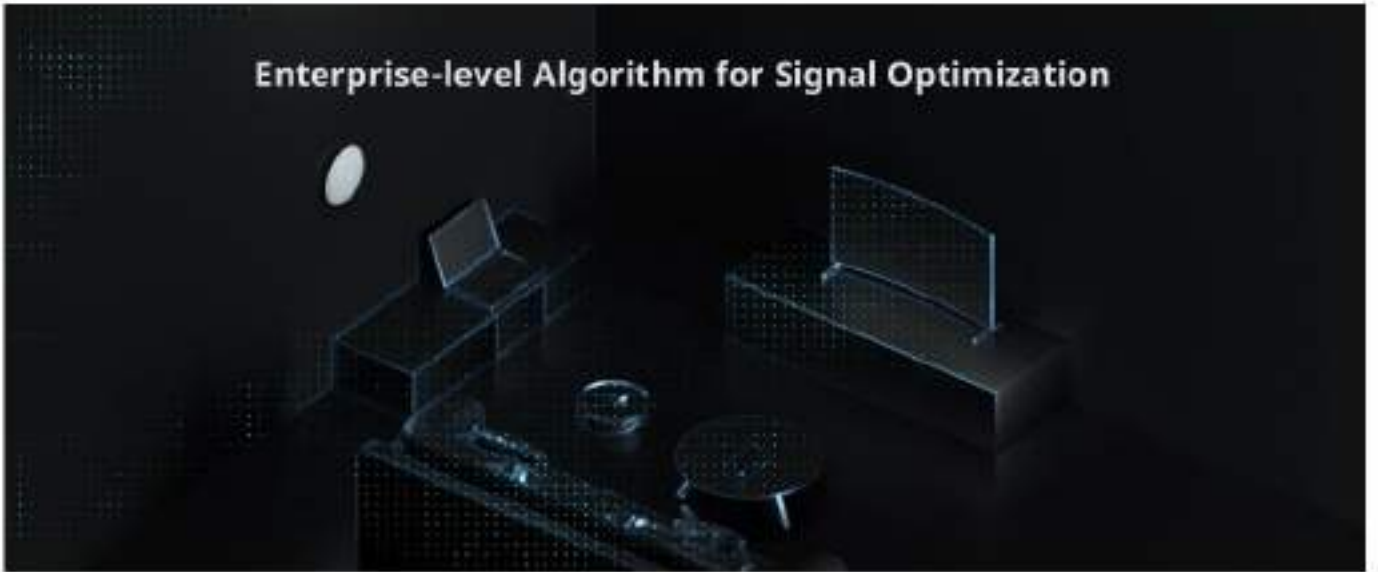
Pro Performance, Starter Price

Wi-Fi 7 | 2.4 GHz Port | 802.11be



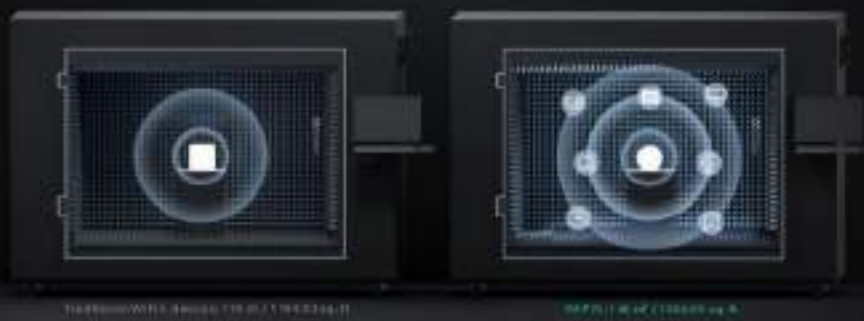
Highlight Features

Enterprise-level Algorithm for Signal Optimization



Pro Performance, Starter Price

Coverage: 110 miles, Standard 5MB/s @ 5 GHz



Actual Speed: 2,714 Mbps (Lab Environment)

2700 Mbps

A large, 3D-rendered number "2700" is displayed in a bold, sans-serif font. To its right, the word "Mbps" is written in a smaller, similar font. The background is a dynamic, abstract light burst consisting of numerous thin, radiating lines in shades of blue and green, creating a sense of speed and energy.

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

Seamless Integration
in Modern Spaces



Highlight Features

Where Minimalism Meets Signal Mastery



Seamless Integration
in Modern Spaces

One More Device, Endless Possibilities



Office Area
4 80" Collaborative Conference

Board Room
118"m Laser Glasswall

Meeting Room
80"m 4K 12" Collaborative Screen

Evolving Design, Consistent Excellence



2012: 8MP1206

2013: 8MP1210
Square Form Factor

2014: 8MP1210
with Circular Signal Holes

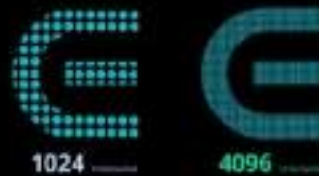
2018: 8MP1211
with Circular Signal Holes

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Highlight Features

4K QAM

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

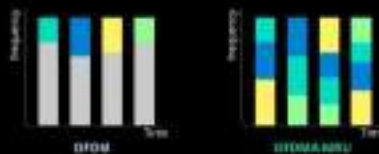


Multi-Link Operation

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

Regular Mesh
Reduce Cabling Costs

Standalone AP Portal
Time & Easy

WiFi 6
Powered by AI

Streamline
Reducing the Total Cost of Ownership



Product Information

Model	RG-RAP72
Product Type	Ceiling AP

Hardware Specifications

Model	RG-RAP72
Wi-Fi Radio	
6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 7 (IEEE 802.11be)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 7 (IEEE 802.11be)
Operating band	IEEE 802.11b/g/n/ax/be, 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac/ax/be, 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.
Radio design	Dual-radio 4 spatial streams • 2.4 GHz: 2 x 2, MU-MIMO • 5 GHz: 2 x 2, MU-MIMO
FEM	iFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80/160 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	3570 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	2882 Mbps

Hardware Specifications

Model	RG-RAP72
2.4 GHz wireless data rate	688 Mbps
Maximum transmit power	<p>Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):</p> <p>Note: Country specific restrictions apply.</p> <p>European Union & United Kingdom 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>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</p> <p>Indonesia: 2400–2483.5 MHz, EIRP ≤ 27 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm</p>
Maximum transmit power (6 GHz)	No
Maximum transmit power (5 GHz)	<p>Combined power: 25.7 dBm (single-stream power: 21 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Maximum transmit power (2.4 GHz)	<p>Combined power: 25 dBm (single-stream power: 22 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Coverage range	<p>140 m² (1506.95 square ft.)</p> <p>Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.</p>
Modulation	<p>OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, and 64-QAM @ 48/54 Mbps</p> <p>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps</p> <p>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, and 4096-QAM</p> <p>OFDMA</p>
Receive sensitivity	11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps)

Hardware Specifications

Model	RG-RAP72
	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)
Antenna	
Antenna	2.4 GHz: 2 built-in omnidirectional antennas 5 GHz: 3 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.44 dBi
Antenna gain (2.4 GHz)	3.23 dBi
Dimensions and Weight	
Product dimensions (diameter x height)	Ø195 mm x 41 mm (Ø7.68 in. x 1.61 in.) (excluding the mounting bracket)
Color	White
Weight	≤ 0.6 kg (1.32 lbs.) (without packaging materials)
Shipping weight	≤ 1 kg (2.2 lbs.)
Port Specifications	
Number of 10/100/1000/2500BASE-T ports	1
Reset button	1

Hardware Specifications

Model	RG-RAP72
LEDs	1 x system status LED
Power Supply and Consumption	
Power supply	<ul style="list-style-type: none"> • DC power adapter • PoE/PoE+ Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred.
Local power supply	Yes, one DC power connector (12 V, 1.5 A)
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.)
PoE In standard	<ul style="list-style-type: none"> • IEEE 802.3af (PoE) • IEEE 802.3at (PoE+)
PoE budget	No
Maximum power consumption	14 W
Environment and Reliability	
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 options	Ceiling/Wall
IP rating	IP41
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
Certification and Regulatory Compliance	
RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032 EN 55035 EN 61000-3-3 EN 61000-3-2

/ Hardware Specifications

Model	RG-RAP72
	EN 301489-1 EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440
Certification	CE, CB, ISED, cTUVus
System Specifications	
Flash memory	256 MB
RAM	512 MB DDR3

Software Specifications

Model	RG-RAP72
Basic Configurations	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
Interface	
IPTV transparent transmission	No
Ethernet Interface	
PPPoE clients	Yes
Ethernet Switching	
IEEE 802.1Q VLAN	Yes
WLAN	
Maximum number of associated wireless clients	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	<ul style="list-style-type: none"> ● Support for IEEE 802.11ax and 160 MHz: <ul style="list-style-type: none"> 16 (2.4 GHz) 84 (5 GHz) 100 (2.4 GHz and 5 GHz enabled) ● Support for IEEE 802.11ax and 80 MHz: <ul style="list-style-type: none"> 16 (2.4 GHz) 52 (5 GHz) 68 (2.4 GHz and 5 GHz enabled) <ul style="list-style-type: none"> ● Support for IEEE 802.11ac: <ul style="list-style-type: none"> 12 (2.4 GHz) 32 (5 GHz) 44 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes

Software Specifications

Model	RG-RAP72
OFDMA	Yes
WMM	Yes
DFS	Yes
MLO	Yes
4K-QAM	Yes
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	Yes
AP load balancing	Yes
Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes
OWE (Enhanced Open) WPA3-SAE	Yes
WPA2-PSK/WPA3-SAE	
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256

Software Specifications

Model	RG-RAP72
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blacklist	Yes
IP Service	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
Authentication	
802.1X authentication	Yes
Network Management and Monitoring	
Wireless repeater mode	Yes
Web login information	Single-device login address: 10.44.77.254 Network-wide login address: 10.44.77.253 Default password: admin
Network-wide configuration and management	Yes
Ruijie Reyee App management	Yes
eWeb management	Yes
Ruijie Cloud management	Yes
SNMP	Yes

Software Specifications

Model	RG-RAP72
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

Package Contents

Model	RG-RAP72
Package Contents	
Package Contents	1 x AP 1 x Mounting bracket 4 x Cross pan head screws (ST4.2 x 20 mm) 4 x Plastic expansion anchors (ϕ 9 x 25.4 mm) 1 x User Manual 1 x Warranty Card 1 x Key to security lock 1 x Alignment sticker
Accessories	
Power adapter	No

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