

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

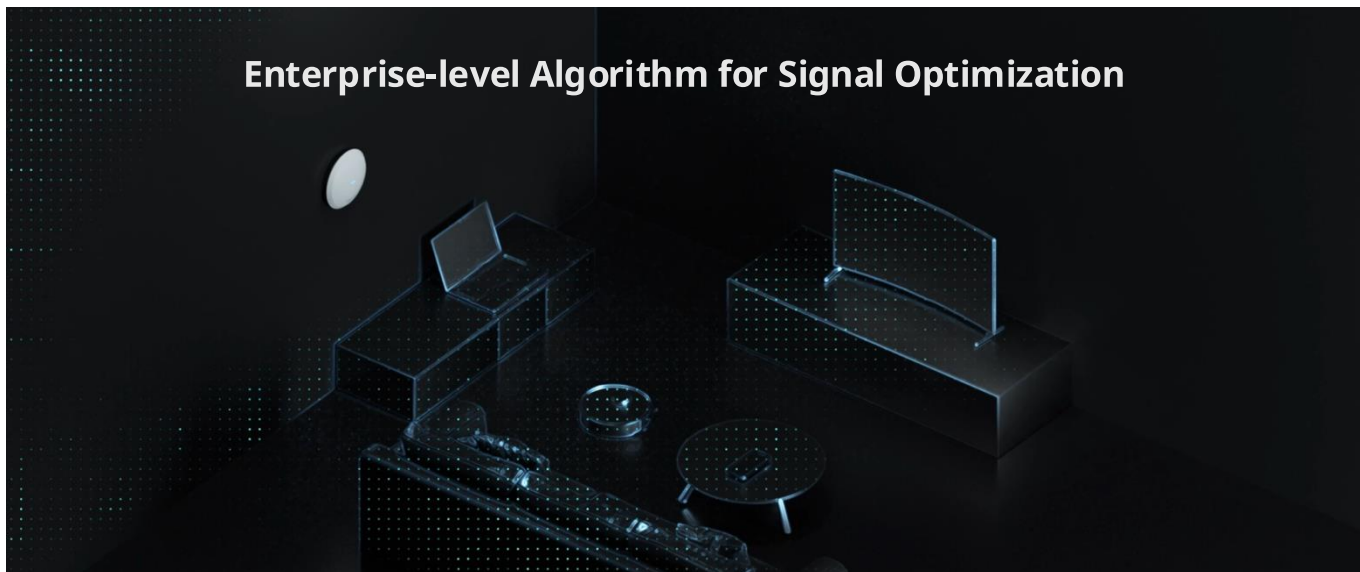
Pro Performance, Starter Price

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: 2,876 Mbps (Lab Environment)

2800 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



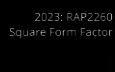
Home scene

- 20 °C to 60 °C Operational Range



Evolving Design, Consistent Excellence

2022: RAP2200E



2023: RAP2260
Square Form Factor

2024: RAP72Pro
with Circular Signal Matrix



2025: RAP72
with Circular Signal Matrix

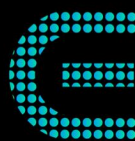


Ø125 mm x 41 mm (7.68 in. x 1.61 in.)

Highlight Features

4K QAM

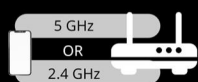
Delivers up to 20% faster data speeds for ultra-responsive streaming and gaming



1024 10 bit/symbol



4096 12 bit/symbol



Single Link



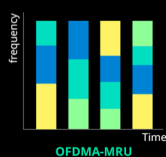
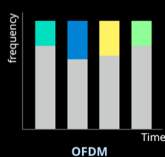
Multi-Link

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



Without Preamble Puncturing



With Preamble Puncturing



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)	≤ 0.7 kg (1.54 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	Yes
	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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