

# 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

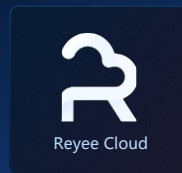
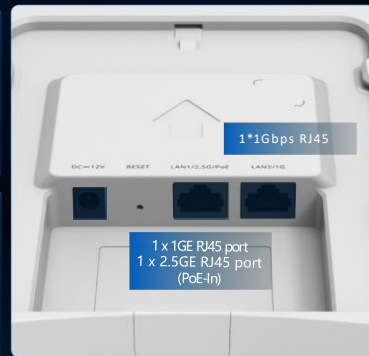
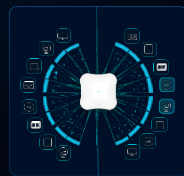
**1024**  
10 bits/symbol

**4096**  
12 bits/symbol



**MRU**

(Multi-Resource Unit)



# 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
<b>Hardware Specifications</b>		
<b>Wi-Fi Protocols</b>	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
<b>Operating Frequency Bands (country-specific restrictions apply)</b>	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
<b>Spatial Streams</b>	5 GHz	3 spatial streams, 3x3 MIMO
	2.4 GHz	2 spatial streams, 2x2 MIMO
<b>Antenna</b>	Omni-directional	Yes
	5 GHz Antenna Gain	2.0dBi
	2.4 GHz Antenna Gain	3.0dBi
<b>Channel Width</b>	5 GHz	Auto/20/40/80/160 MHz
	2.4 GHz	Auto/20/40 MHz
<b>Data Rate</b>	Max Throughput	5011Mbps
	5 GHz	4323Mbps
	2.4 GHz	688Mbps
<b>Max. Transmit Power</b>	5 GHz	25dBm
	2.4 GHz	24dBm
<b>Wi-Fi Coverage</b>	Optimal Coverage	N/A
<b>Modulation</b>	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

Model		RG-RAP72Pro
<b>Hardware Specifications</b>		
<b>Receiver Sensitivity</b>	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)
<b>Dimensions (W x D x H)</b>	Dimensions (excluding mounting kits)	208 mm x 208 mm x 40 mm (8.19 in. x 8.19 in. x 1.57 in.)
<b>Weight</b>	excluding mounting kits	≤ 0.65 kg (1.43 lbs.)
<b>Service Ports</b>	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
<b>Power Supply</b>	<b>DC(Local Power)</b>	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

# Specifications

Model		RG-RAP72Pro
<b>Hardware Specifications</b>		
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
<b>Software Specifications</b>		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes

# Specifications

Model	RG-RAP72Pro	
<b>Software Specifications</b>		
<b>WLAN</b>	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
	Same SSID for Different VLANs	Yes
<b>Roaming</b>	802.11k/v	Yes
	802.11r	Yes
	Layer 2 Roaming	Yes
	Layer 3 Roaming	Yes
	AI Roaming	Yes
<b>Security</b>	PSK Authentication	Yes
	Static Blocklist and Allowlist	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes

# Specifications

Model	RG-RAP72Pro	
<b>Software Specifications</b>		
<b>Security</b>	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
<b>Routing</b>	NAT	Yes
	Static IP Address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
<b>AP Mesh</b>	Mesh Management	Yes
	Reyee Mesh	Yes
<b>Standalone Portal</b>	Captive Portal	Yes
	Bandwidth Limit	Yes
	Data Quota	No
<b>Management and Maintenance</b>	Default Access/Password	Yes
	No. of APs on a Self-Organizing Network	300



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<b>Software Specifications</b>		
<b>Management and Maintenance</b>	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
<b>Platform Management Features</b>	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
<b>Others</b>		
<b>Flash</b>	Flash	256MB
<b>Memory</b>	Memory	512MB
<b>Color of AP Enclosure</b>	Color of AP Enclosure	Warm White

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