Ruijie | Reyee

RG-RAP72Pro

Wi-Fi 7 BE5040 Dual-Band Ceiling Access Point

DATASHEET Explore More

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

Highlight Features

Application Scenarios

Immersive AR/VR | 8K Streaming | Live Recording | Video Conference

Experience a bustling digital world

No more buffering, delays, or congestion for streaming

Delve into details on what you want to discuss

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 802.11a/n Wi-Fi5: IEEE 802.11ac Wave2 Wi-Fi6: IEEE 802.11ax Wi-Fi7: IEEE 802.11be
	2.4 GHz	Wi-Fi4: IEEE 802.11b/g/n Wi-Fi6: IEEE 802.11ax Wi-Fi7: 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	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

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Hardware Specifications		
Receiver Sensitivity	Receiver Sensitivity	11b: -91dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(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), -51dBm(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 10/100/1000BASE-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

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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
	Same SSID for Different VLANs	Yes
Roaming	802.11k/v	Yes
	802.11r	Yes
	Layer 2 Roaming	Yes
	Layer 3 Roaming	Yes
	AI Roaming	Yes
Security	PSK Authentication	Yes
	Static Blocklist and Allowlist	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes

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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

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Software Specifications		
Management and Maintenance	Unified Networking for All Network Equipment	Yes
	Local or Remote Management via Ruijie Reyee 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

Redefine your easy network

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