

RG-RAP62

Wi-Fi 6 AX1800 Ceiling Access Point

DATASHEET

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Highlights

- High-Performance Dual-Radio, Gigabit Wireless Ceiling-Mounted AP
- 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



Highlight Features

Incredibly Thin and Small

Elegant design brings more agility



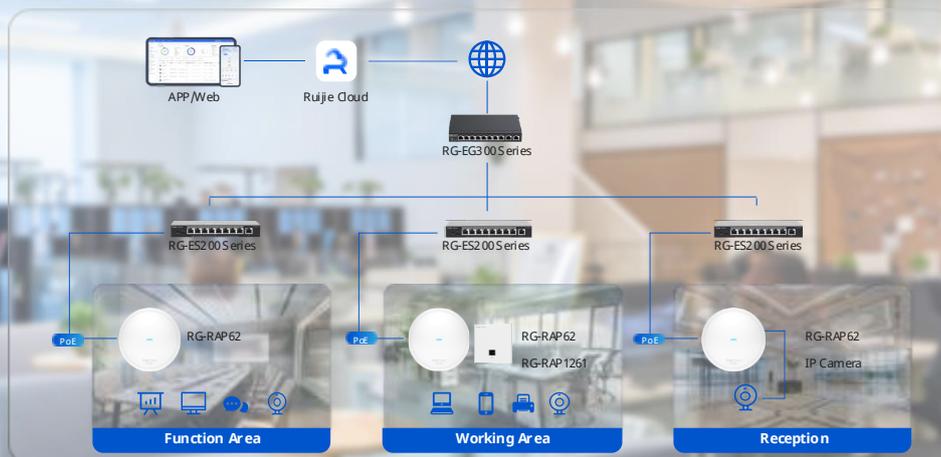
Easy Installation

Large guide groove ensures perfect alignment
Direct-push-in design



Ideal AP for Small and Medium Size Business

Office Dining



Highlight Features

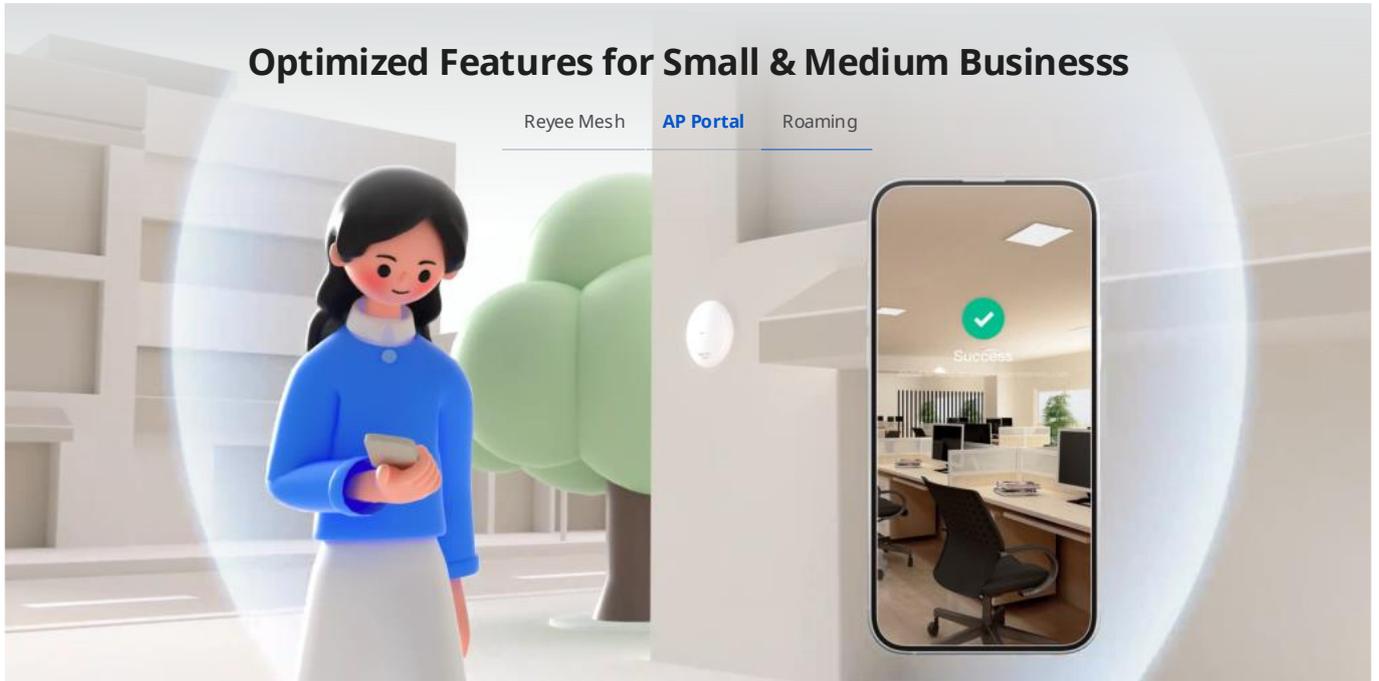
Ideal AP for Small and Medium Size Business



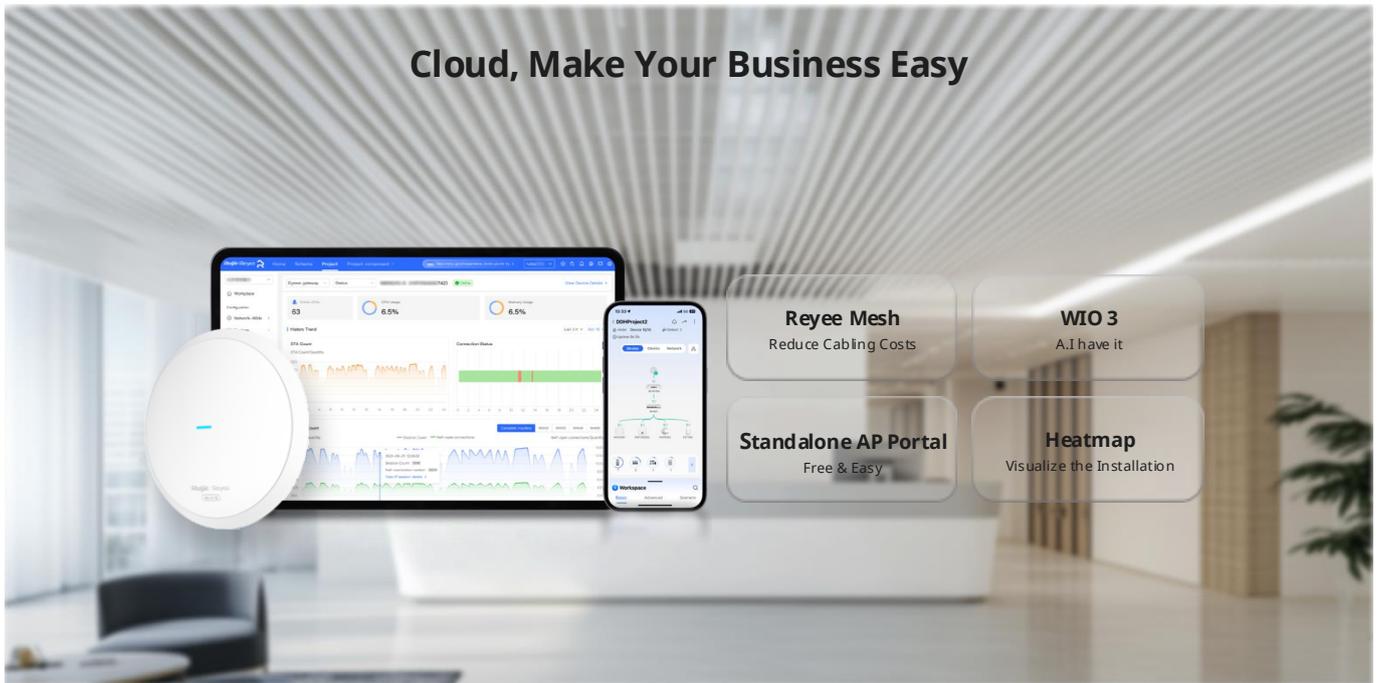
Optimized Features for Small & Medium Business



Highlight Features



Highlight Features



Specifications

Model		RG-RAP62
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
	2.4 GHz	Wi-Fi 4: IEEE 802.11b/g/n Wi-Fi 6: IEEE 802.11ax
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	4.58 dBi
	2.4 GHz Antenna Gain	3.13 dBi
Channel Width	5 GHz	Auto/20 MHz/40 MHz/80 MHz
	2.4 GHz	Auto/20 MHz/40 MHz
Data Rate	Max. Throughput	1774 Mbps
	5 GHz	1201 Mbps
	2.4 GHz	573 Mbps
Wi-Fi Coverage	Optimal Coverage	125m ²
Modulation	Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16-QAM@24 Mbps, 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, and 1024-QAM OFDMA
Dimensions (Ø x H)	Dimensions (excluding mounting kits)	175 mm x 39 mm (6.89 in. x 1.54 in.)

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Hardware Specifications		
Max. Transmit Power	5 GHz	Combined power: 24 dBm (single-stream power: 21 dBm) Note: The transmit power varies according to regulations in different countries and regions.
	2.4 GHz	Combined power: 24 dBm (single-stream power: 21 dBm) Note: The transmit power varies according to regulations in different countries and regions.
	Standard Format	Frequency bands using and the max. 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) 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)
Service Ports	Number of 10/100/1000BA SE-T Ports	1 (supports 802.3at/af PoE)
	Number of 10/100/1000/2.5GBASE-T Ports	0

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.) Length: 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	≤12.95W
Power Adapter	Power Adapter	No
Button	Button	1 x Reset button
Status LED	Status LED	1 x system status LED (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 62311:2020
	Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1
Weather Resistance	IP Rating	IP41
	Lightning Protection/Surge	±2 kV
Weight	Weight (excluding mounting kits)	≤ 0.4 kg (0.88 lbs)

Specifications

Model	RG-RAP62	
Software Specifications		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes
WLAN	Recommended Number of Associated Clients	BW80 11ax: 16 (2.4 GHz) + 84 (5 GHz) = 100 11ac: 16 (2.4 GHz) + 64 (5 GHz) = 80
	Max. Number of SSIDs	8
	Radio-based Client Limiting	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)	No
	4K-QAM	No
	Same SSID for Different VLANs	Yes
	Roaming	802.11k/v
802.11r		Yes
Layer 2 Roaming		Yes
Layer 3 Roaming		Yes
AI Roaming		Yes

Specifications

Model	RG-RAP62	
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-RAP62	
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-RAP62
Others		
Flash	Flash	128 MB
Memory	Memory	256 MB
Color of AP Enclosure	Color of AP Enclosure	Ruijie White W-2

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