

Wi-Fi 6 Indoor Ceiling Access Point AX1800 802.11ax Dual-band 1774 Mbps

RG-RAP62



The RG-RAP62 is a cost effective ultra high performance Wi-Fi 6 ceiling mount access point for covering large indoor areas with gigabit Wi-Fi coverage. Featuring a new compact circular design that blends into modern spaces, the RG-RAP62 is suitable for use in homes, multi-network commercial hotels, and other large indoor environments. The RG-RAP62 will provide seamless high-speed bidirectional internet coverage. The RG-RAP62 is an AX1800 Wi-Fi 6 dual-band ceiling mount Wi-Fi access point supporting 802.11ax with 1.774 Gbps.

Former Part No. 57MM-AP20

3-Year Manufacturer's Warranty

For full terms & conditions, please see – Ruijie Warranty T&Cs.

Features and Benefits

- » New aesthetically pleasing, low-profile, and compact circular design with discrete cable management and an easy-to-use mounting plate
- » WiFi-6 (802.11ax) supporting speeds up to 1774 Mbps (Concurrent high-speed wireless access of 573 Mbps at 2.4GHz and 1201 Mbps at 5GHz, compliant with 802.11a/b/g/n/ac/ax Wi-Fi protocols)
- » Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimising and maintenance on Ruijie Cloud App.
- » Connection via 1 x 10/100/1000 Base-T port or simply by Reyee Mesh
- » Perfect for use in homes, commercial spaces, hotels, carparks, schools, etc.
- » Supports Reyee Mesh & AI Wireless Optimisation (WIO)



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Specifications

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	Yes
5 GHz Antenna Gain	4.58dBi
2.4 GHz Antenna Gain	3.13dBi

Channel Width

5 GHz	Auto/20/40/80/160 MHz
2.4 GHz	Auto/20/40 MHz

Data Rate

Max Throughput	1774Mbps
5 GHz	1201Mbps
2.4 GHz	573Mbps

Wi-Fi Coverage

Optimal Coverage	125m2
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Modulation

Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA
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Dimensions (W x D x H)

Dimensions (excluding mounting kits)	175 mm x 39 mm (6.89 in. x 1.54 in.)
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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
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Power Supply

DC(Local Power)	Yes 12V/1.5A
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
802.3af (PoE)	Yes
802.3at (PoE+)	Yes

PoE Out

Max. PoE Wattage by PSE	No
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Power Consumption

Power Consumption	< 12.95W
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Power Adapter

Power Adapter	No
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Buttons

Button	1 × Factory reset
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Status LEDs

LEDs	1 × System LED indicator(blue)
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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

Weatherproof

IP Rating	IP41
Lightning Protection/Surge	±2 kV

Weight

Weight (excluding mounting kits)	≤ 0.4 kg (0.88 lbs)
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Software Specifications

Operating Mode (AP Mode and Router Mode)

Router Mode	Yes
AP Mode	Yes

WLAN

Recommended Number of 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	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

Security (continued)

OWE (Enhanced Open)	
WPA3-SAE	Yes
WPA2-PSK/WPA3-SAE	
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

Reevey Mesh	Yes
Mesh Management	Yes

Standalone Portal

Bandwidth Limit	Yes
Captive Portal	Yes
Data Quota	No

Management and Maintenance

Default Access/Password	Yes
No. of APs on a Self-Organizing Network	300

Management and Maintenance (continued)

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	128MB
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Memory

Memory	256MB
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Color of AP Enclosure

Color of AP Enclosure	Ruijie white W-2
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