

Wi-Fi 5 Indoor Ceiling Access Point AC1300 802.11ac Dual-band 1.3 Gbps (100 Mbps Uplink)

RG-RAP2200(F)



The RG-RAP2200(F) is a budget ceiling/wall mount access point for covering large indoor areas with gigabit Wi-Fi coverage. The RG-RAP2200(F) is limited by a 100 Mbps uplink which is still suitable for modest amounts of internet outbound traffic. The RG-RAP2200(F) is an AC1300 dual-band ceiling/wall mount Wi-Fi access point supporting 802.11ac Wave2 1.3 Gbps (100 Mbps uplink).

3-Year Manufacturer's Warranty

For full terms & conditions, please see - [Ruijie Warranty T&Cs](#).

Features and Benefits

- » Dual-band 802.11ac wave2 1.3 Gbps (100 Mbps uplink)
- » Supports concurrent 802.11ac wave2, wave1, 802.11a/b/g/n protocols
- » Free lifetime Ruijie cloud management: Remote fault alarm, one-click optimisation and maintenance on the Ruijie cloud app.
- » Featuring 2x LAN interfaces to provide support to more devices and services.
- » Perfect for connecting home smart Wi-Fi devices to the internet
- » Seamless layer three roaming



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Specifications

Hardware

Radio	Dual-stream dual-band
Protocol	Concurrent 802.11ac wave2, wave1, 802.11a/b/g/n
Operating Bands	802.11b/g/n: 2.4G ~ 2.4835GHz 802.11a/n/ac: 5G: 5.150~5.350GHz, 5.725~5.850GHz
Antenna	Array antennas (2.4G: 2dBi, 5G: 2dBi)
Spatial Streams	2.4G 2x2MIMO 5G 2x2MIMO
Max Throughput	Up to 400Mbps at 2.4G Up to 867Mbps at 5G 1.267Gbp per AP
Modulation	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM and 256QAM

Hardware (continued)

Receiver Sensitivity	11b: -91dBm (1Mbps), -88dBm (5Mbps), -85dBm (11Mbps) 11a/g: -89dBm (6Mbps), -80dBm (24Mbps), -76dBm (36Mbps), -71dBm (54Mbps) 11n: -83dBm@MCS0, -65dBm@MCS7, -83dBm@MCS8, -65dBm@MCS15 11ac HT20: -83dBm (MCS0), -57dBm (MCS9) 11ac HT40: -79dBm (MCS0), -57dBm (MCS9) 11ac HT80: -76dBm (MCS0), -51dBm (MCS9)
Maximum Transmit Power	5.725~5.850GHz: ≤20dBm (EIRP) 5.150~5.350GHz: ≤20dBm (EIRP) 2.4~2.4835GHz: ≤20dBm (EIRP)
Adjustable Power	1dBm
Dimensions	194x194x35mm (excluding mounting kits)
Weight	0.45kg (excluding mounting kits)
Service Ports	2 10/100Base-T Ethernet ports, PoE/LAN1 port supports PoE
Management Port	N/A
LED Indicator	Single indicator (green light)
Power Supply	Local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory) 802.3af/802.3at PoE
Power Consumption	≤ 12.95W

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Hardware (continued)

Environment	Operating temperature: 0-40°C Storage temperature: -40-70°C Operating humidity: 5-95% (non-condensing) Storage humidity: 5-95% (non-condensing)
Installation	Wall-mount, ceiling-mount
Safety Standard	GB4943, IEC 60950-1
EMC Standard	GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035
Vibration Standard	IEC61373
Radio Standard	SRRC certification, EN300 328, EN301 893
MTBF	>400000H

Software

Operating Mode	AP mode and routing mode
WLAN	Maximum number of clients: 110 Recommended number of clients: 40 (8 at 2.4GHz, 32 at 5GHz) Up to 8 SSIDs Support SSID hiding Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID SSID-based and radio-based STA limit Support Layer 2 user isolation
Roaming	Support Layer 2 and Layer 3 roaming

Software (continued)

Security	Support PSK authentication Support static blacklist and whitelist Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption
Routing	Support static IP address, DHCP, PPPoE Dial Up
Management and Maintenance	Support unified networking of all network equipment Support local or remote management with Ruijie Cloud app Support local management with web Support remote management with Ruijie Cloud platform
Platform Management Features	Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform