



# RG-RAP220 Series

## Wi-Fi Dual Band Ceiling Mount Access Point

## Product Overview

The RG-RAP2260(G) adopts the dual-radio, dual-band design and 2G+5G is recommended. With the next-generation 802.11ax for 5G, the maximum access rate can reach 1.2Gbps. If dual-radio is enabled concurrently, the high-speed Wi-Fi can reach 1.8Gbps, offering the true high-speed experience.

Compared with the previous Wi-Fi 5 (802.11ac) with only downlink MU-MIMO support, Wi-Fi 6 supports both uplink and downlink MU-MIMO (multi-user, multiple-input and multiple-output). Therefore, Ruijie RG-RAP2260 Series access points can connect clients simultaneously, significantly improving the wireless performance and experience.

Users can perform comprehensive local or remote management of the entire network via the Ruijie Cloud app, equipment EWEB management or Ruijie Cloud platform. Users can also share the network for third party hosting and collaborative management, thereby achieving simpler, easier to use, more secure and convenient enterprise network operation and maintenance.

# Technical Specifications

Model	RG-RAP2260(G)
Hardware specifications	
Radio	Dual-stream dual-band
Protocol	Concurrent 802.11ax, 802.11ac wave2/wave1, 802.11a/b/g/n
Operating Bands	802.11b/g/n/ax : 2.4G ~ 2.4835GHz 802.11a/n/ac/ax : 5G : 5.150 ~ 5.350GHz , 5.725 ~ 5.850GHz (country specific)
Antenna	Internal antennas ( 2.4G: 3dBi , 5G: 3dBi )
Spatial Streams	2.4G 2x2MIMO 5G 2x2MIMO
Max Throughput	Up to 574Mbps at 2.4G Up to 1201Mbps at 5G 1.775Gbp per AP
Modulation	OFDM : BPSK@6/9Mbps , QPSK@12/18Mbps , 16QAM@24Mbps , 64QAM@48/54M bps DSSS : DBPSK@1Mbps , DQPSK@2Mbps , and CCK@5.5/11Mbps MIMO-OFDM : BPSK , QPSK , 16QAM , 64QAM , 256QAM and 1024QAM OFDMA
Receive Sensitivity	11b : -96dBm (1Mbps), -93dBm (5Mbps), -89dBm (11Mbps) 11a/g : -91dBm (6Mbps), -85dBm (24Mbps), -80dBm (36Mbps), -74dBm ( 54Mbps) 11n : -90dBm (MCS0), -70dBm (MCS7), -89dBm (MCS8), -68dBm (MCS15) 11ac : 20MHz : -88dBm (MCS0), -63dBm (MCS9) 11ac : 40MHz : -85dBm (MCS0), -60dBm (MCS9) 11ac : 80MHz : -85dBm (MCS0), -60dBm (MCS9) 11ax : 80MHz : -82dBm (MCS0), -57dBm (MCS9),-52dBm (MCS11)
Maximum Transmit Power	5.725 ~ 5.850GHz : ≤ 20dBm (EIRP) 5.150 ~ 5.250GHz : ≤ 20dBm (EIRP) 2.4 ~ 2.4835GHz : ≤ 20dBm (EIRP)
Adjustable Power	1dBm
Dimensions	194mm x 194mm x 35mm (excluding mounting kits)
Weight	0.56kg (excluding mounting kits)
Service Ports	2x 10/100/1000 Base-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	≤ 15.3W
Environment	Operating temperature: 0°C ~ 40°C Storage temperature: -40°C ~ 70°C Operating humidity: 5% ~ 95% (non-condensing) Storage humidity: 5% ~ 95% (non-condensing)
Installation	Ceiling/wall-mountable
Safety Standard	GB4943, IEC 62368-1

EMC Standard	GB9254, EN301489, EN50155, EN50121, EN55032, EN61000, EN55035
Vibration Standard	IEC61373
Radio Standard	EN300 328, EN301 893
MTBF	> 400000H

Software Features	
Operating Mode	<ul style="list-style-type: none"> <li>AP mode and routing mode</li> <li>Maximum number of clients: 512</li> <li>Recommended number of clients: 100</li> <li>Up to 8 SSIDs</li> <li>Support SSID hiding</li> <li>Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID</li> <li>SSID-based and radio-based STA limit</li> <li>Support Layer 2 user isolation</li> </ul>
Roaming	Support Layer 2 and Layer 3 roaming
Security	<ul style="list-style-type: none"> <li>Support PSK authentication</li> <li>Support static blacklist and whitelist</li> <li>Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption</li> </ul>
Routing	Support static IP address, DHCP, PPPoE Dial Up
Management and maintenance	<ul style="list-style-type: none"> <li>Support unified networking of all network equipment</li> <li>Support local or remote management with Ruijie Cloud app</li> <li>Support local management with web</li> <li>Support remote management with Ruijie Cloud platform</li> </ul>
Platform management features	<ul style="list-style-type: none"> <li>Automatic RF adjustment via the platform</li> <li>Unified configuration via the platform</li> <li>Unified monitoring via the platform</li> </ul>