RG-RAP2200 Series
Reyee Wi-Fi 5 AC1300 Indoor Cloud Managed Access Point

DATASHEET

/ Highlights

- Dual-Radio Performance, up to 1.267 Gbps.

- Get better performance with 802.11ac wave 2's MU-MIMO technology.

- Support to optimize the entire wireless network with just one click.

- Easily set up your Wi-Fi network with Ruijie Cloud APP in 3 minutes.

- With Ruijie Cloud, easy to maintain your networks remotely.

Highlight Features

Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

Interface | Installation

802.11ac Wave2	Seamless Layer 3 Roaming	2x2 MU-MIMO	Reye Mesh Technology	Free Cloud Management

Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

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Highlight Features

Better Multi-User Experience in High-Density Scenarios

Enjoy better performance with MU-MIMO technology under 802.11ac Wave2.
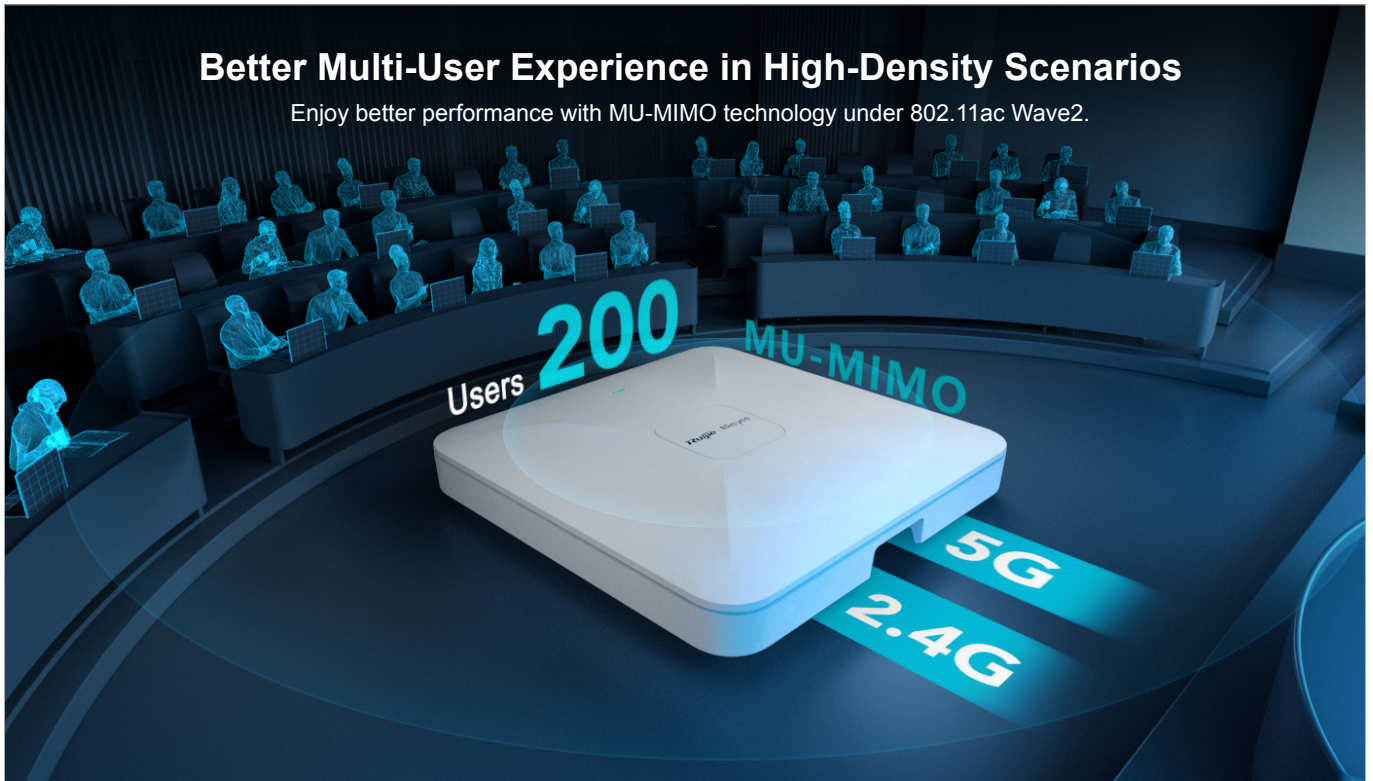
One Click to Optimize, Get Better Wi-Fi Experience

The WIO (Wi-Fi Intelligent Optimization) technology allows you to optimize wireless network by one click.
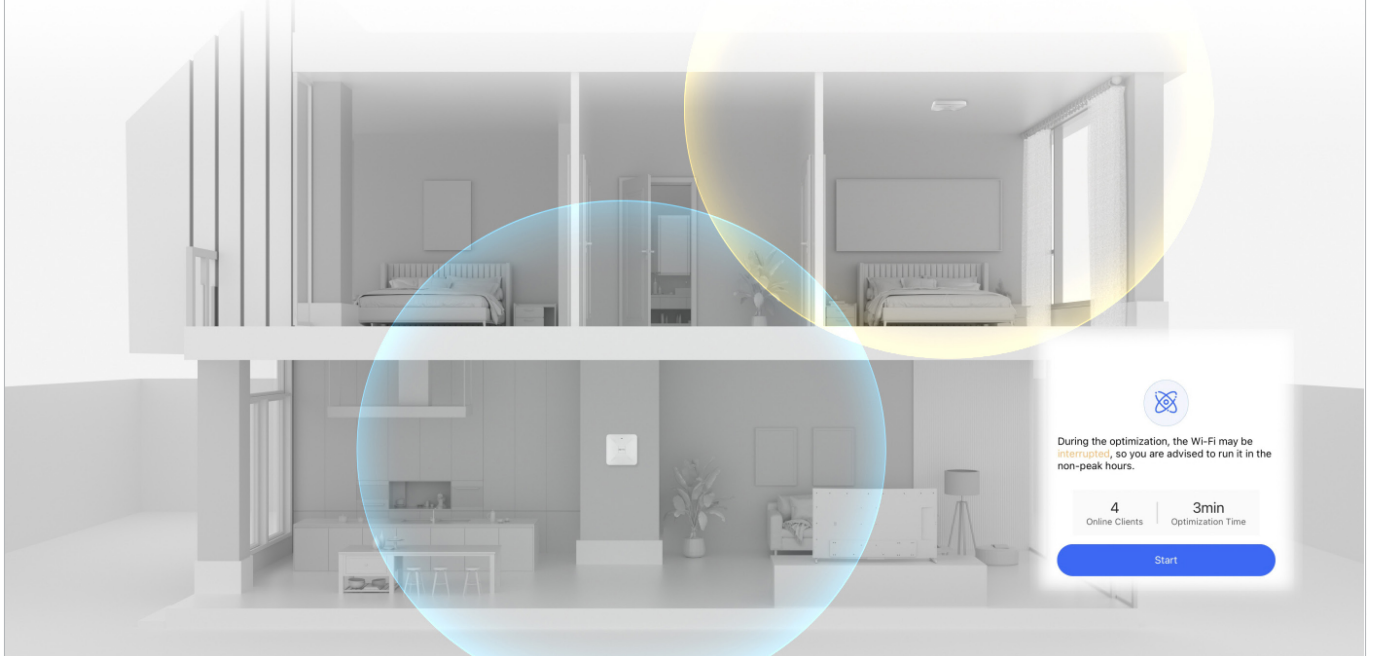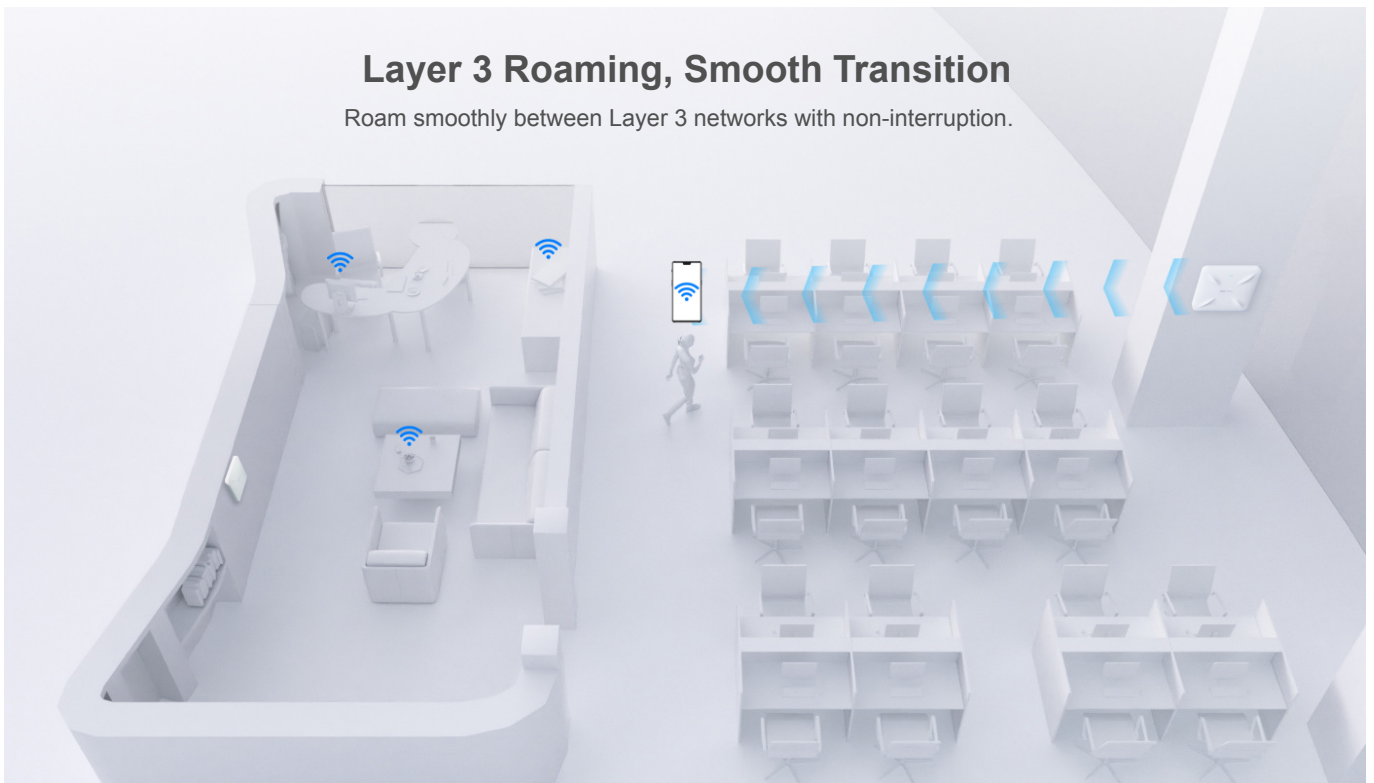
Highlight Features

Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.

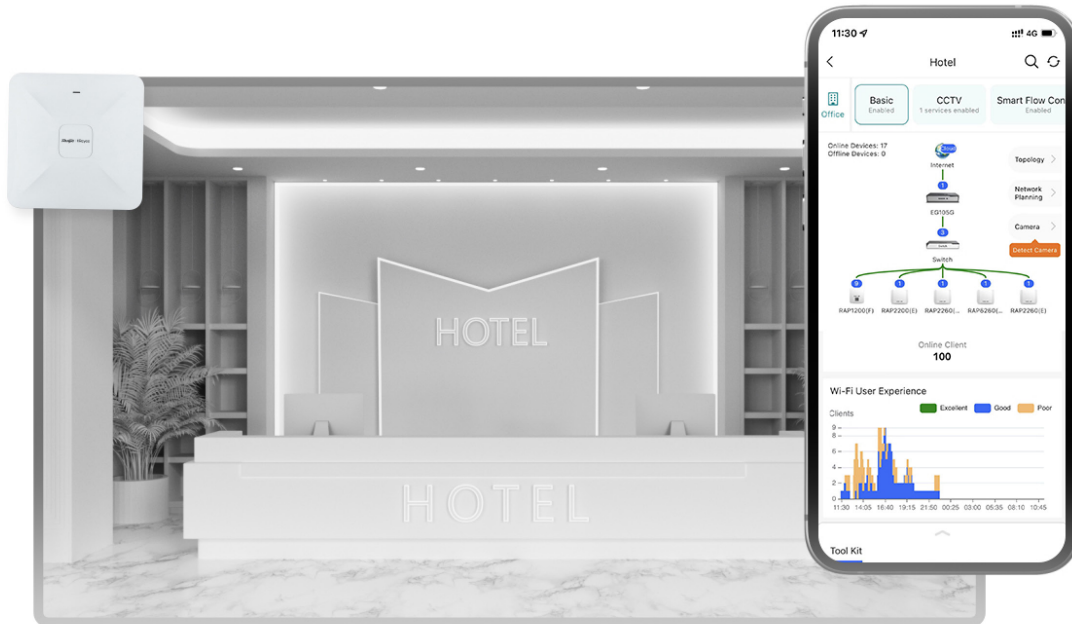## Layer 3 Roaming, Smooth Transition

Roam smoothly between Layer 3 networks with non-interruption.

Highlight Features

Easily Set Up Your Wi-Fi Network in 3 Minutes

With SON (Self-organizing Network) technology, easily set up a whole Wi-Fi network by Ruijie Cloud APP.

Cloud,
Make Your Business Easy

- Self-organizing Network
- Centralized Network Management
- Scenario Based Configuration
- Cloud Portal Authentication
- Remote Monitoring and Maintenance

Specifications

Hardware specifications		
Model	**RG-RAP2200(E)**	**RG-RAP2200(F)**
Radio	Dual-stream dual-band	
Protocol	Wi-Fi 5 (IEEE 802.11ac Wave 2/Wave1) Wi-Fi 4(IEEE 802.11n) 802.11a/b/g	
Operating Bands	802.11b/g/n： 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5 GHz: 5.150 GHz～5.350 GHz, 5.725 GHz～5.850 GHz	
Antenna	Built-in Omnidirectional Antennas(2.4 GHz: 2dBi, 5 GHz: 2dBi)	
Spatial Streams	2.4 GHz: 2x2 MIMO 5 GHz: 2x2 MIMO	
Max Throughput	Up to 400 Mbps at 2.4 GHz Up to 867 Mbps at 5 GHz 1.267 Gbps per AP	
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, 16QAM, 64QAM and 256QAM	
Receive Sensitivity	11b: -91 dBm (1 Mbps), -88 dBm (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 HT20: -83 dBm (MCS0), -57 dBm (MCS9) 11ac HT40: -79 dBm (MCS0), -57 dBm (MCS9) 11ac HT80: -76 dBm (MCS0), -51 dBm (MCS9)	
Maximum Transmit Power	5.725 GHz～5.850 GHz: ≤20 dBm (EIRP) 5.150 GHz～5.350 GHz: ≤20 dBm (EIRP) 2.4 GHz～2.4835 GHz: ≤20 dBm (EIRP) Country-specific restriction apply.	
Dimensions	194 mm×194 mm×35 mm (excluding mounting kits)	
Weight	0.45kg (excluding mounting kits)	
Service Ports	2 x10/100/1000M Base-T LAN1 port supports PoE	2 x10/100M Base-T LAN1 port supports PoE

/ Specifications

Hardware specifications		
Model	**RG-RAP2200(E)**	**RG-RAP2200(F)**
LED Indicator	Single indicator (green light)	
Power Supply	802.3af/802.3at PoE, local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory)	
Power Consumption	≤ 12.95 W	
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 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 Features		
Operating Mode	AP mode and routing mode	
WLAN	Maximum number of clients: 110	
	Recommended number of clients: 40 (8 at 2.4 GHz, 32 at 5 GHz)	
	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	

/ Specifications

Software Features		
Model	**RG-RAP2200(E)**	**RG-RAP2200(F)**
Roaming	Support Layer 2 and Layer 3 roaming	
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	

/ Package Contents

Device	RG-RAP2200(F)	RG-RAP2200(E)
Mounting Bracket	1	1
Cross Pan Head Screw	2	2
Expansion Anchor	2	2
Quick Start Guide	1	1
Warranty Card	1	1
Package Weight	0.76kg	0.69kg
Package Dimension (w x d x h)	222 mm x 220 mm x 68 mm	219 mm x 217 mm x 67 mm

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Redefine your easy network