

RG-RAP2200(F)

Reyee Wi-Fi 5 1266 Mbps Ceiling Access Point



Highlights

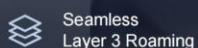
- Dual-radio performance, up to 1266 Mbps.
- Get better performance with 802.11ac wave 2 's MU-MIMO technology.
- Easily set up your Wi-Fi network with Ruijie Cloud APP in 3 minutes.
- With Ruijie Cloud, easy to maintain your networks remotely.

Highlight Features

Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

Interface

Installation



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Highlight Features

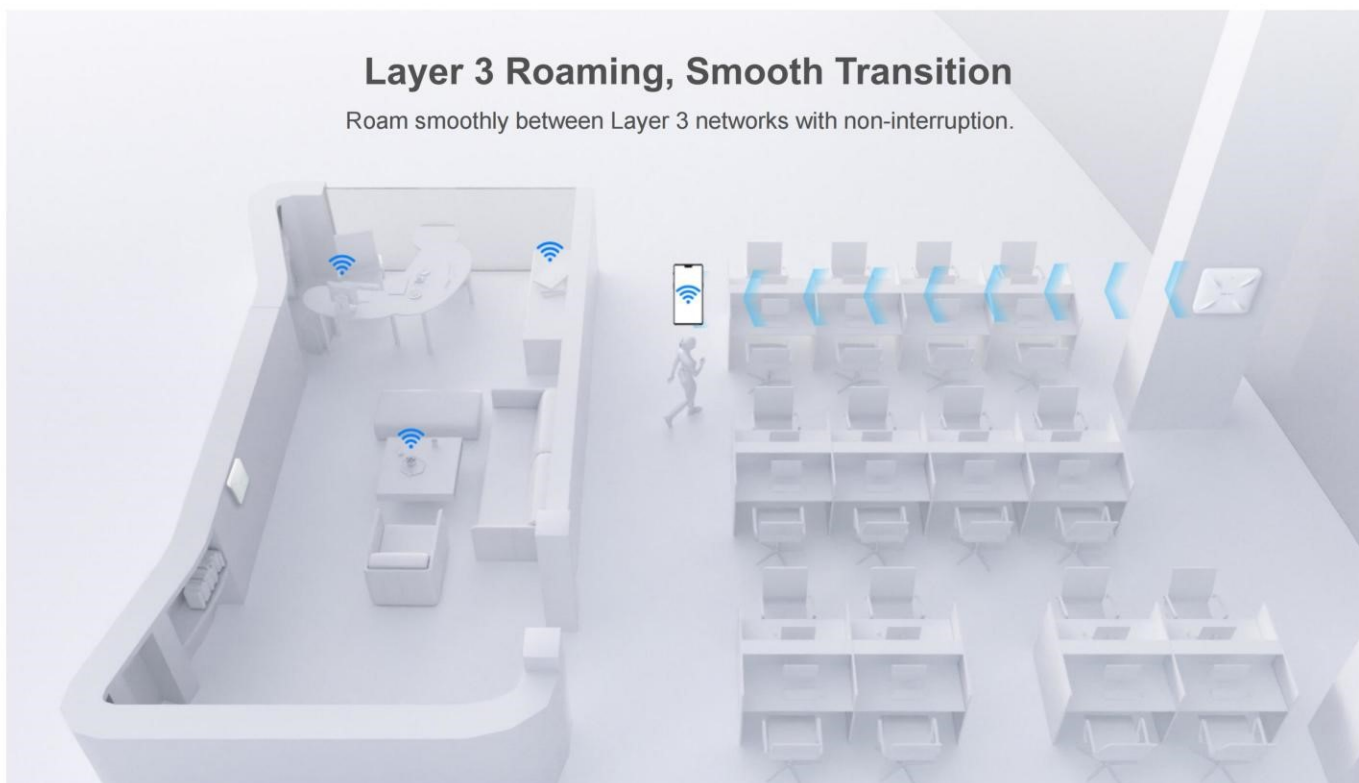
Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.



Layer 3 Roaming, Smooth Transition

Roam smoothly between Layer 3 networks with non-interruption.



Highlight Features

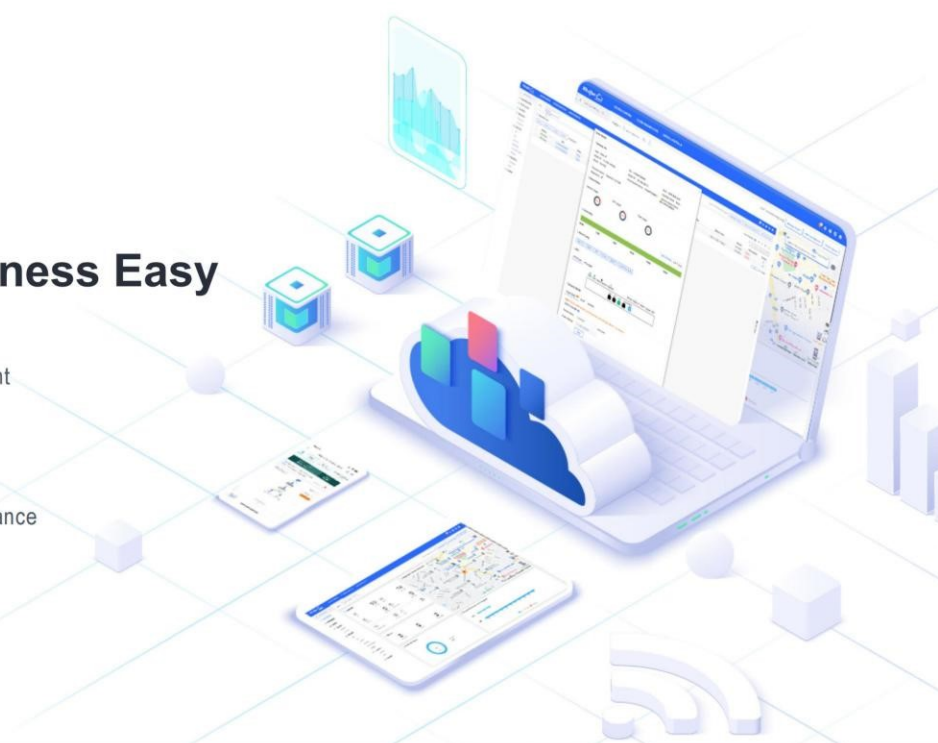
Easily Set Up Your Wi-Fi Network in 3 Minutes

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



/ Product Information

Model	RG-RAP2200(F)
Product Type	Ceiling AP

/ Hardware Specifications

Model	RG-RAP2200(F)
Port Specifications	
Number of 10/100BASE-T ports	2
Reset button	1
LEDs	1 x system status LED
Wi-Fi Radio	
6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n)
	Wi-Fi 5 (IEEE 802.11ac)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n)
Operating band	IEEE 802.11b/g/n, 2.400 GHz to 2.4835 GHz
	IEEE 802.11a/n/ac, 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz
	Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.

Hardware Specifications

Model	RG-RAP2200(F)
Radio design	Dual-radio 4 spatial streams • 2.4 GHz: 2 x 2, MIMO • 5 GHz: 2 x 2, MIMO
FEM	2.4 GHz: 2 x eFEM 5 GHz: 2 x eFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	1266 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	866 Mbps
2.4 GHz wireless data rate	400 Mbps
Maximum transmit power	Frequency bands and maximum Effective Isotropic Radiated Power (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:

Hardware Specifications

Model	RG-RAP2200(F)
	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
	Vietnam:
	2400–2483.5 MHz, EIRP ≤ 23 dBm
	5150–5350 MHz, EIRP ≤ 23 dBm
	5470–5725 MHz, EIRP ≤ 30 dBm
	5725–5850 MHz, EIRP ≤ 30 dBm
Maximum transmit power (6 GHz)	No

Hardware Specifications

Model	RG-RAP2200(F)
Maximum transmit power (5 GHz)	<p>Combined power: 26 dBm (single-stream power: 23 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Maximum transmit power (2.4 GHz)	<p>Combined power: 25 dBm (single-stream power: 22 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Coverage range	<p>115 m² (1237.85 square ft.)</p> <p>Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.</p>
Modulation	<p>OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps</p> <p>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps</p> <p>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM</p>
Receive sensitivity	<p>11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps)</p> <p>11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps)</p> <p>11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15)</p>

Hardware Specifications

Model	RG-RAP2200(F)
	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)
Dimensions and Weight	
Product dimensions (W x D x H)	194 mm x 194 mm x 35 mm (7.64 in. x 7.64 in. x 1.38 in.) (excluding the mounting bracket)
Color	White
Weight	≤ 0.45 kg (0.99 lbs.) (without packaging materials)
Shipping weight	≤ 0.76 kg (1.68 lbs.)
Power Supply and Consumption	
Power supply	<ul style="list-style-type: none">• DC power adapter• PoE/PoE+ <p>Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred.</p>
Local power supply	Yes, one DC power connector (12 V, 1.5 A)
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.)
PoE In standard	<ul style="list-style-type: none">• IEEE 802.3af (PoE)• IEEE 802.3at (PoE+)
PoE budget	No

Hardware Specifications

Model	RG-RAP2200(F)
Maximum power consumption	12.95 W
System Specifications	
Flash memory	8 MB
RAM	64 MB CPU built-in DDR2
Certification and Regulatory Compliance	
RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032
	EN 55035
	EN 61000-3-3
	EN 61000-3-2
	EN 301489-1
	EN 301489-3
	EN 301489-17
RF	EN 300 328
	EN 301 893
	EN 300 440
Certification	CE, CB
Environment and Reliability	
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	−40°C to +70°C (−40°F to +158°F)

/ Hardware Specifications

Model	RG-RAP2200(F)
Operating humidity	5% RH to 95% RH (non-condensing)
Storage humidity	5% RH to 95% RH (non-condensing)
Mounting options	Ceiling/Wall
IP rating	No
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
Antenna	
Antenna	2.4 GHz: 2 built-in omnidirectional antennas 5 GHz: 2 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	2.00 dBi
Antenna gain (2.4 GHz)	2.00 dBi

Software Specifications

Model	RG-RAP2200(F)
IP Service	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	No
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	No
Basic Configurations	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address
	Dynamic IP address
	PPPoE
Network Management and Monitoring	
Wireless repeater mode	No
Web login information	Single-device login address: 10.44.77.254
	Network-wide login address: 10.44.77.253
	Default password: admin
Network-wide configuration and management	Yes

Software Specifications

Model	RG-RAP2200(F)
Ruijie Reyee App management	Yes
eWeb management	Yes
Ruijie Cloud management	Yes
SNMP	No
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes
WLAN	
Maximum number of associated wireless clients	64 (2.4 GHz) 110 (5 GHz) 110 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	16 (2.4 GHz) 32 (5 GHz) 48 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	No
OFDMA	No
WMM	Yes

Software Specifications

Model	RG-RAP2200(F)
DFS	Yes
MLO	No
4K-QAM	No
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	No
AP load balancing	No
Beamforming	Yes
802.11k/v roaming	No
Fast transition (802.11r)	No
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	No
Co-channel roaming	No
Roaming sniffing	No
Configurable antenna	No
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes

Software Specifications

Model	RG-RAP2200(F)
OWE (Enhanced Open)	No
WPA3-SAE	
WPA2-PSK/WPA3-SAE	
Number of blocklists and allowlists based on MAC addresses (single SSID)	30
Number of global blocklists/allowlists	256
Mesh management	No
AP Mesh	No
AP portal authentication	No
Maximum number of devices that can be managed	150
One-Click Network Optimization	No
Static blocklist	Yes
Authentication	
802.1X authentication	No
Dynamic VLAN assignment	No
IPv4 Ruijie RG-OCE Identity Manager authentication scheme	No
Linkufi authentication	No

Software Specifications

Model	RG-RAP2200(F)
Interface	
IPTV transparent transmission	No
Ethernet Interface	
PPPoE clients	Yes
Ethernet Switching	
IEEE 802.1Q VLAN	Yes
VLAN expansion	No
Enabling/Disabling an interface	No
Interface rate	10/100 Mbps auto-negotiation
Interface mode (half-duplex/full-duplex switching)	No
Multicast	
IGMP snooping (wireless-to-wireless)	No
IGMP snooping (wired-to-wireless)	No
IGMP snooping (wired-to-wired)	No

Package Contents

Model	RG-RAP2200(F)
Accessories	
Power adapter	No
Package Contents	
Package Contents	1 x AP
	1 x Mounting bracket
	2 x Cross pan head screws (ST4.2 x 20 mm)
	2 x Plastic expansion anchors (ϕ 9 x 25.4 mm)
	1 x User Manual
	1 x Warranty Card

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 **R**edefine your easy network



Ruijie Networks Co., Ltd.

Official Website: <https://Reyee.Ruijie.com>