Ruijie | Reyee

DATASHEET

RG-RAP1201

Reyee Wi-Fi 5 1267 Mbps Wall-mounted Access Point



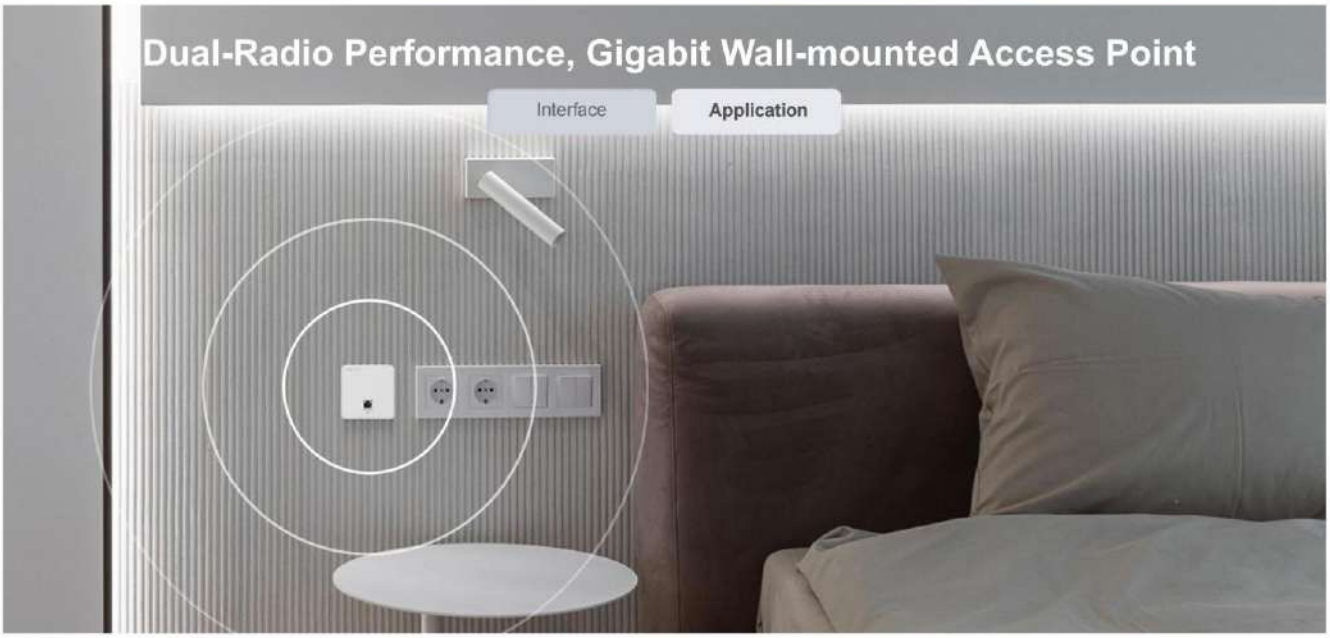
Highlights

- Dual-radio performance, gigabit wireless wall-mounted AP
- Better experience with MU-MIMO under 802.11ac Wave2
- Easy installation, worldwide compatible
- Upgrade Full GE Ports
- Ruijie Cloud Management

Date: 2025.12.8

Highlight Features

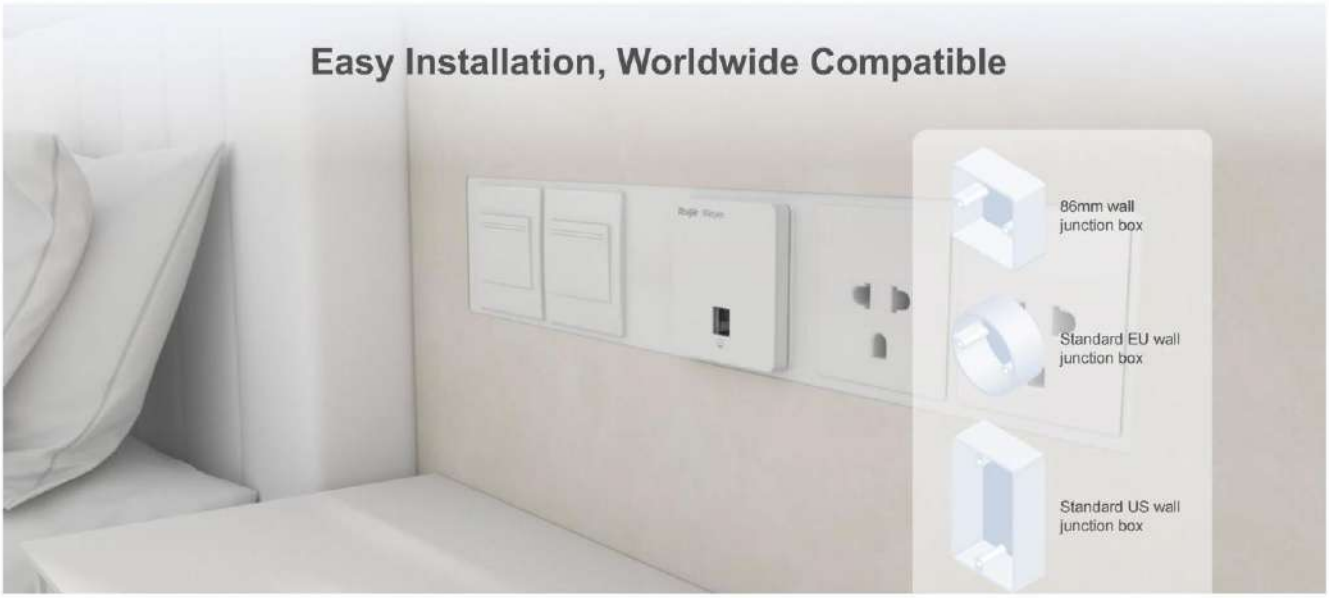






Highlight Features

Easy Installation, Worldwide Compatible



One Click to Optimize, Get better Wi-Fi Experience

The WIO (WiFi Intelligent Optimization) technology allows you to optimize wireless network by one click.



Easily Set Up Your Wi-Fi Network in 3 Minutes

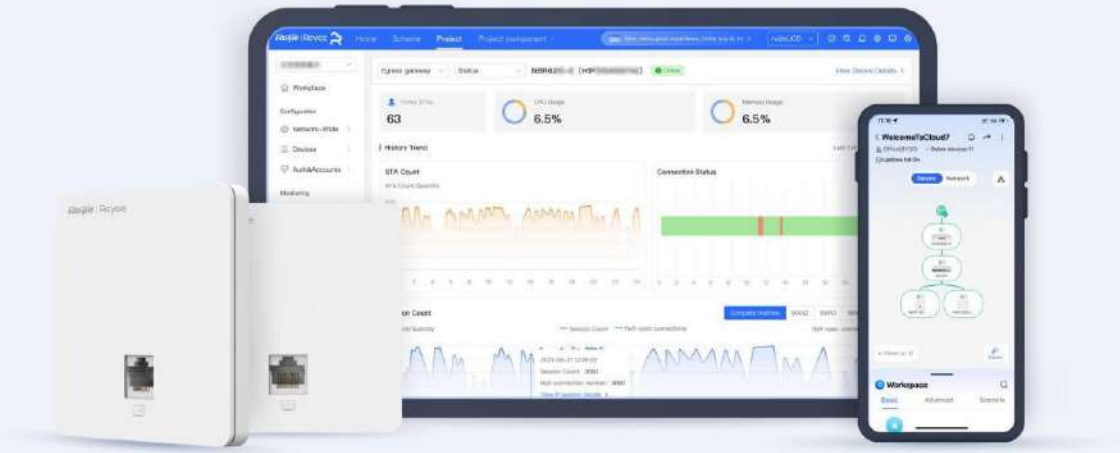
With SON (Self-organizing Network) technology, easily set up a whole Wi-Fi network by Ruijie Cloud APP



Highlight Features

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-RAP1201
Product Type	Wall AP

Hardware Specifications

Model	RG-RAP1201
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.
Radio design	Dual-radio 4 spatial streams ● 2.4 GHz: 2 x 2, MIMO ● 5 GHz: 2 x 2, MIMO
FEM	iFEM
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):

Hardware Specifications

Model	RG-RAP1201
	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 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
Maximum transmit power (5 GHz)	Combined power: 21 dBm (single-stream power: 18 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Maximum transmit power (2.4 GHz)	Combined power: 21 dBm (single-stream power: 18 dBm) Note: The transmit power varies according to regulations in different countries and regions.
Coverage range	30 ㎡ (322.92 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
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, 16-QAM, 64-QAM, 256-QAM
Receive sensitivity	11b: –91 dBm (1 Mbps), –88 dBm (5.5 Mbps), –85 dBm (11 Mbps)

Hardware Specifications

Model	RG-RAP1201
	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: 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)
Antenna	
Antenna	Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.10 dBi
Antenna gain (2.4 GHz)	3.82 dBi
Dimensions and Weight	
Product dimensions (W x D x H)	86 mm x 42.4 mm x 86 mm (3.39 in. x 1.67 in. x 3.39 in.)
Color	White
Weight	≤ 0.16 kg (0.35 lbs.) (without packaging materials)
Shipping weight	≤ 0.19 kg (0.42 lbs.)
Port Specifications	
Number of 10/100/1000BASE-T ports	2
Reset button	1
LEDs	1 x system status LED
Power Supply and Consumption	
Power supply	PoE/PoE+
Local power supply	No
Dimensions of the DC connector	No

Hardware Specifications

Model	RG-RAP1201
PoE In standard	• IEEE 802.3af (PoE) • IEEE 802.3at (PoE+)
PoE budget	No
Maximum power consumption	9 W
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)
Operating humidity	5% RH to 95% RH (non-condensing)
Storage humidity	5% RH to 95% RH (non-condensing)
Mounting options	Junction box
IP rating	IP41
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
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
System Specifications	
Flash memory	8 MB

Hardware Specifications

Model	RG-RAP1201
RAM	128 MB CPU built-in DDR3

Software Specifications

Model	RG-RAP1201
Basic Configurations	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Dynamic IP address PPPoE
Interface	
IPTV transparent transmission	Yes
Ethernet Interface	
PPPoE clients	Yes
Ethernet Switching	
IEEE 802.1Q VLAN	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	8 (2.4 GHz) 32 (5 GHz) 40 (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
DFS	Yes
MLO	No
4K-QAM	No
Different SSIDs for the same VLAN	Yes

Software Specifications

Model	RG-RAP1201
Enabling/Disabling MLO	No
AP load balancing	No
Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	No
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
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
OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	No
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	No
Maximum number of devices that can be managed	150
One-Click Network Optimization	Yes
Static blocklist	Yes

Software Specifications

Model	RG-RAP1201
IP Service	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	No
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	No
Authentication	
802.1X authentication	No
Network Management and Monitoring	
Wireless repeater mode	Yes
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
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

Package Contents

Model	RG-RAP1201
Package Contents	
Package Contents	1 x AP 2 x Cross pan head screws (M4 x 40 mm) 1 x User Manual 1 x Warranty Card
Accessories	
Power adapter	No

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Redefine your easy network

Ruijie Networks Co., Ltd.
Official Website: https://Reyee.Ruijie.com