

# RG-RAP2200(E)

## Reyee Wi-Fi 5 1266 Mbps Ceiling Access Point



### Highlights

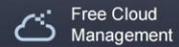
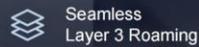
- Dual-radio performance, up to 1266 Mbps.
- Get better performance with 802.11ac wave 2' s MU-MIMO technology.
- Support to optimize the entire wireless network with just one click.
- Easily set up your Wi-Fi network with Ruijie Cloud APP in 3 minutes.
- With Ruijie Cloud, easy to maintain your networks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

# Highlight Features

## Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

Interface

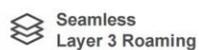
Installation



## Dual-Radio Performance, Gigabit Speed Wi-Fi Solution

Interface

Installation

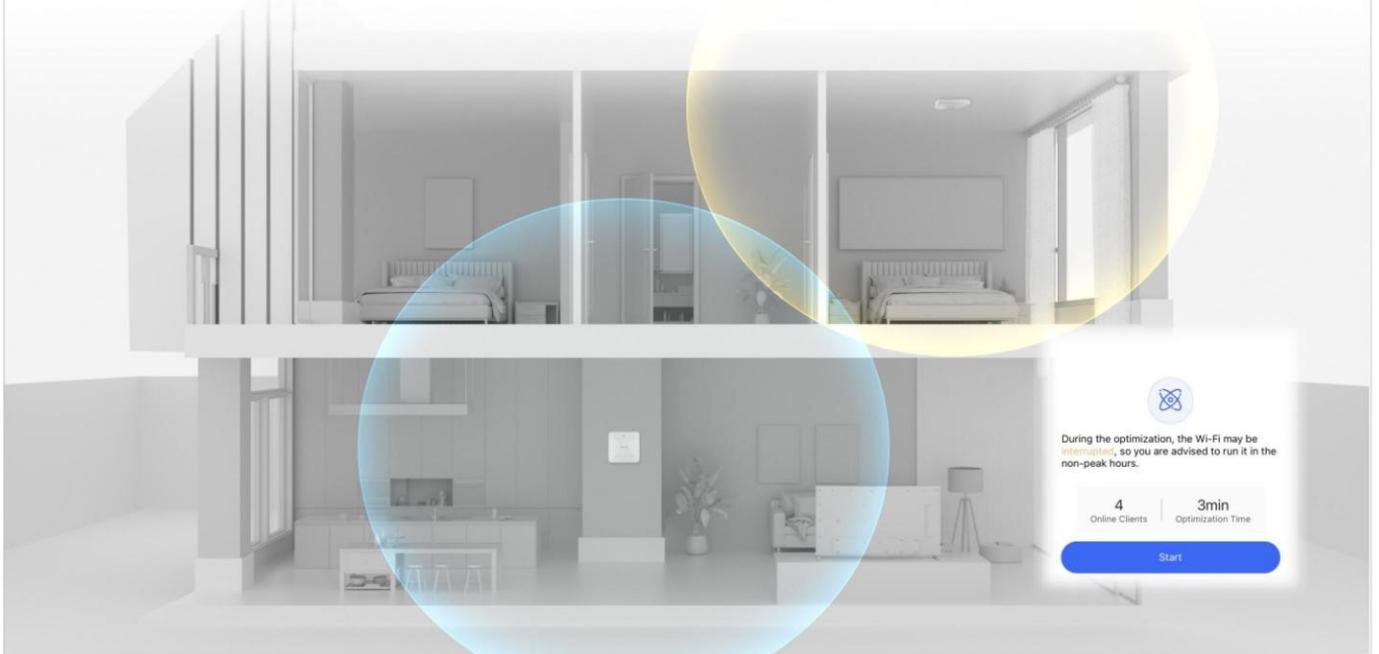


## Highlight Features



### One Click to Optimize, Get Better Wi-Fi Experience

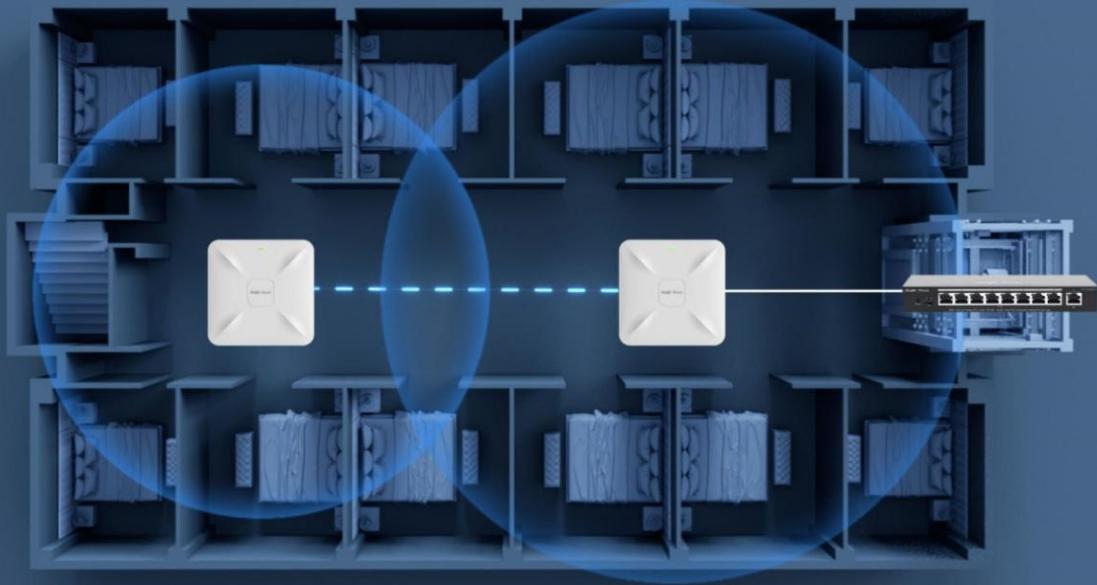
The WIO (Wi-Fi Intelligent Optimization) technology allows you to optimize wireless network by one click.



## Highlight Features

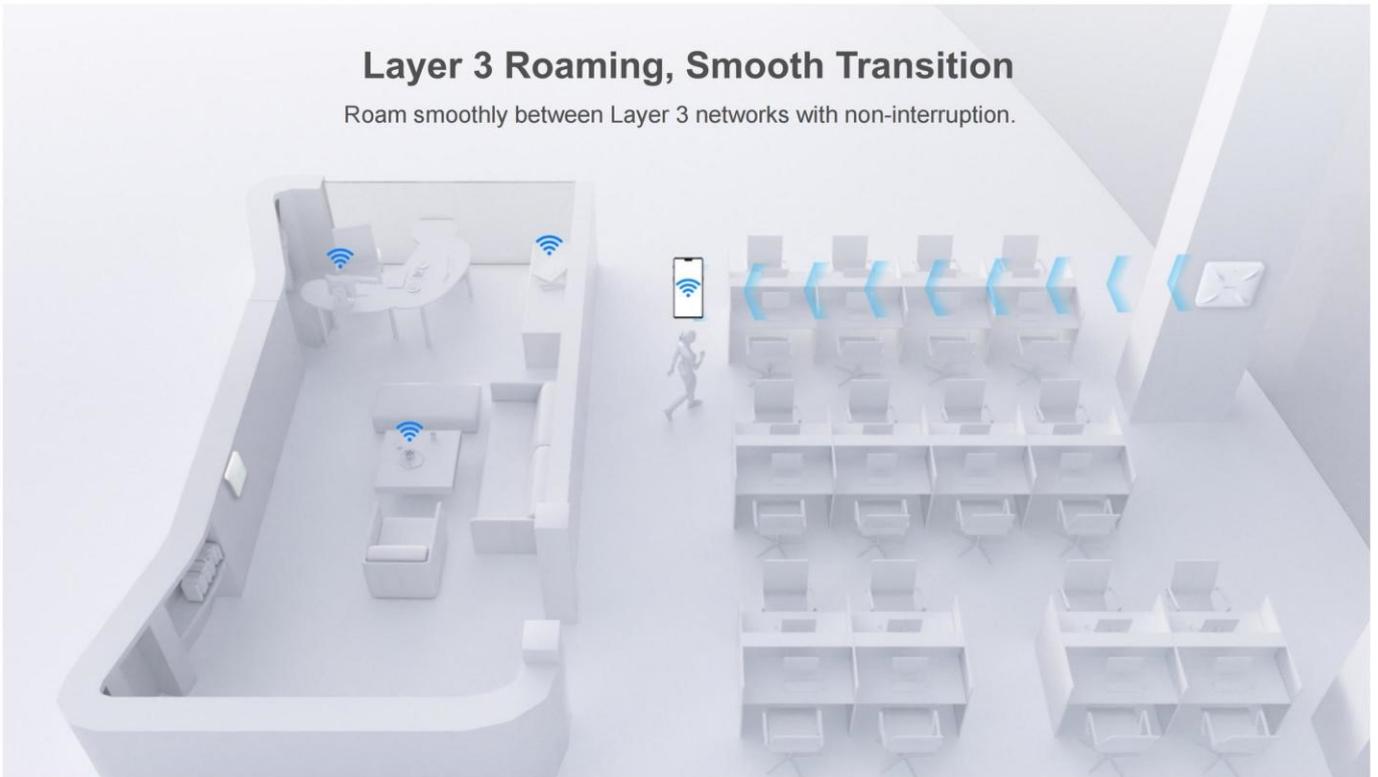
### Easily Install Extra AP with Reyee Mesh

Less wiring, more relaxing.



### Layer 3 Roaming, Smooth Transition

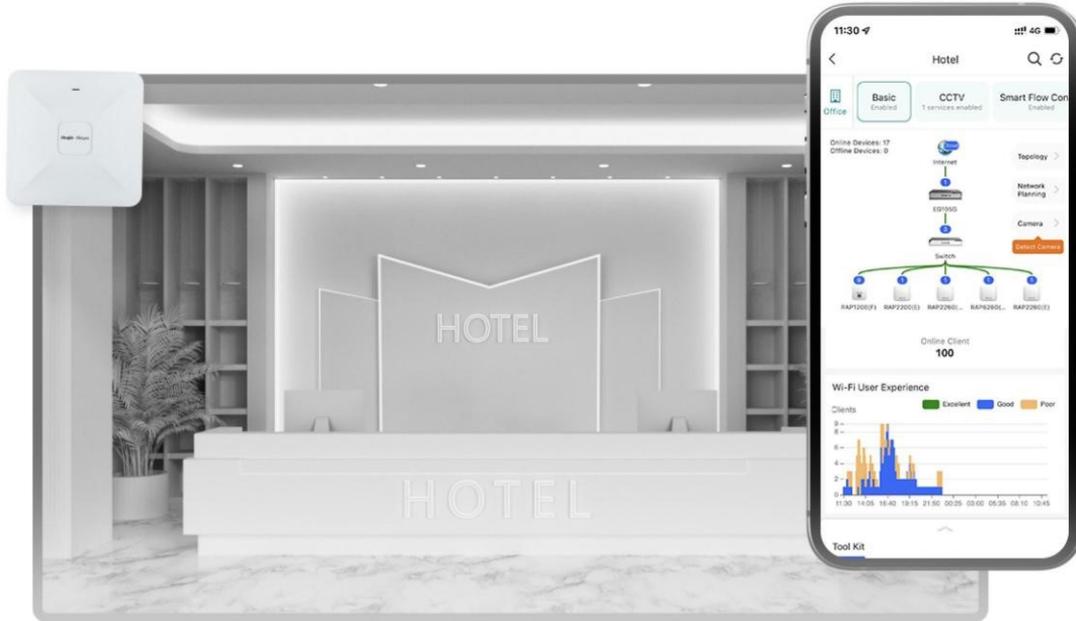
Roam smoothly between Layer 3 networks with non-interruption.



## Highlight Features

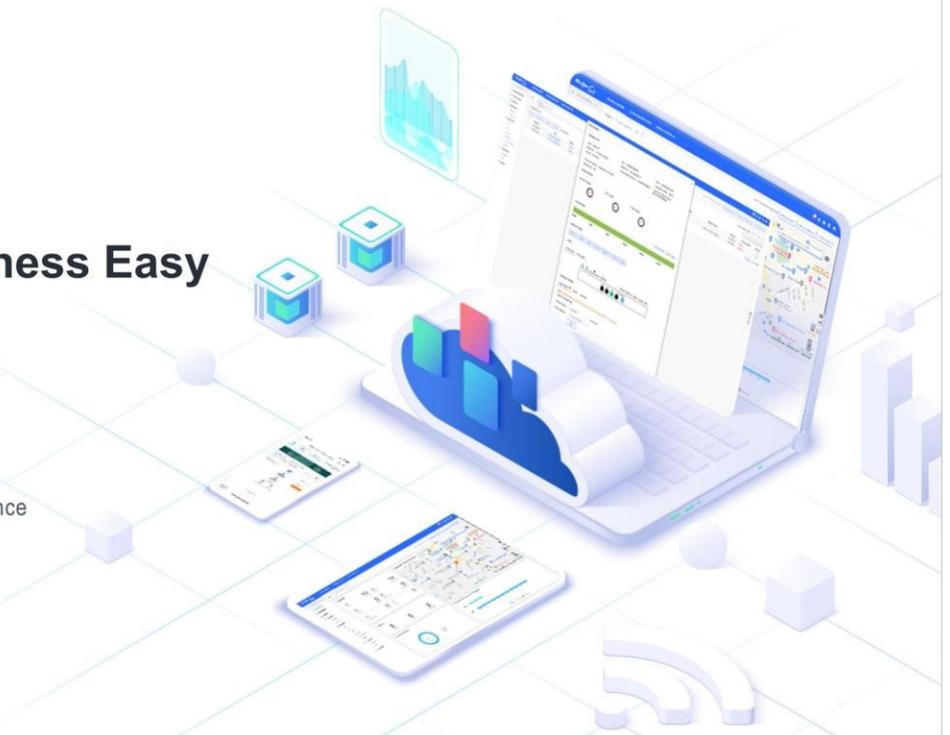
### Easily Set Up Your Wi-Fi Network in 3 Minutes

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



## Product Information

Model	RG-RAP2200(E)
Product Type	Ceiling AP

## Hardware Specifications

Model	RG-RAP2200(E)
<b>Wi-Fi Radio</b>	
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	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):

# Hardware Specifications

Model	RG-RAP2200(E)
	<p>Note: Country specific restrictions apply.</p> <p>European Union &amp; United Kingdom:            2400–2483.5 MHz, EIRP ≤ 20 dBm            5150–5350 MHz, EIRP ≤ 23 dBm            5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>United States:            2400–2483.5 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm            5150–5250 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm            5250–5350 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm            5470–5725 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm            5725–5850 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p>Myanmar:            2400–2483.5 MHz, EIRP ≤ 23 dBm            5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>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</p> <p>Indonesia:            2400–2483.5 MHz, EIRP ≤ 27 dBm            5150–5350 MHz, EIRP ≤ 23 dBm            5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:            2400–2483.5 MHz, EIRP ≤ 20 dBm            5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>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</p>
<b>Maximum transmit power (6 GHz)</b>	No
<b>Maximum transmit power (5 GHz)</b>	Combined power: 26 dBm (single-stream power: 23 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Maximum transmit power (2.4 GHz)</b>	Combined power: 25 dBm (single-stream power: 22 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Coverage range</b>	115 m <sup>2</sup> (1237.85 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.

# Hardware Specifications

Model	RG-RAP2200(E)
<b>Modulation</b>	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
<b>Receive sensitivity</b>	11b: -91 dBm (1 Mbps), -88 dBm (5.5 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: 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)
<b>Antenna</b>	
<b>Antenna</b>	2.4 GHz: 2 built-in omnidirectional antennas 5 GHz: 2 built-in omnidirectional antennas
<b>Antenna horizontal orientation</b>	No
<b>Antenna vertical orientation</b>	No
<b>Antenna gain (6 GHz)</b>	No
<b>Antenna gain (5 GHz)</b>	2.00 dBi
<b>Antenna gain (2.4 GHz)</b>	2.00 dBi
<b>Dimensions and Weight</b>	
<b>Product dimensions (W x D x H)</b>	194 mm x 194 mm x 35 mm (7.64 in. x 7.64 in. x 1.38 in.) (excluding the mounting bracket)
<b>Color</b>	White
<b>Weight</b>	≤ 0.45 kg (0.99 lbs.) (without packaging materials)
<b>Shipping weight</b>	≤ 0.69 kg (1.52 lbs.)
<b>Port Specifications</b>	
<b>Number of 10/100/1000BASE-T ports</b>	2
<b>Reset button</b>	1
<b>LEDs</b>	1 x system status LED

# Hardware Specifications

Model	RG-RAP2200(E)
<b>Power Supply and Consumption</b>	
<b>Power supply</b>	<ul style="list-style-type: none"> <li>• DC power adapter</li> <li>• PoE/PoE+</li> </ul> <p>Note: If both the DC power adapter and PoE/PoE+ are available for power supply, the DC power adapter is preferred.</p>
<b>Local power supply</b>	Yes, one DC power connector (12 V, 1.5 A)
<b>Dimensions of the DC connector</b>	<p>Outer diameter: 5.5 mm (0.22 in.)</p> <p>Inner diameter: 2.1 mm (0.08 in.)</p> <p>Depth: 10 mm (0.39 in.)</p>
<b>PoE In standard</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3af (PoE)</li> <li>• IEEE 802.3at (PoE+)</li> </ul>
<b>PoE budget</b>	No
<b>Maximum power consumption</b>	12.95 W
<b>Environment and Reliability</b>	
<b>Operating temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Storage temperature</b>	-40°C to +70°C (-40°F to +158°F)
<b>Operating humidity</b>	5% RH to 95% RH (non-condensing)
<b>Storage humidity</b>	5% RH to 95% RH (non-condensing)
<b>Mounting options</b>	Ceiling/Wall
<b>IP rating</b>	No
<b>Surge protection</b>	Ethernet port: ±2 kV for common mode
<b>MTBF</b>	400,000 hours
<b>Certification and Regulatory Compliance</b>	
<b>RoHS</b>	Yes
<b>Safety compliance</b>	EN 62368-1
<b>EMC</b>	<p>EN 55032</p> <p>EN 55035</p> <p>EN 61000-3-3</p> <p>EN 61000-3-2</p> <p>EN 301489-1</p>

## / Hardware Specifications

Model	RG-RAP2200(E)
	EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440
Certification	CE, FCC, CB, ISED, cTUVus
<b>System Specifications</b>	
Flash memory	16 MB
RAM	128 MB CPU built-in DDR3

# Software Specifications

Model	RG-RAP2200(E)
<b>Basic Configurations</b>	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
<b>Interface</b>	
IPTV transparent transmission	No
<b>Ethernet Interface</b>	
PPPoE clients	Yes
<b>Ethernet Switching</b>	
IEEE 802.1Q VLAN	Yes
<b>WLAN</b>	
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) 64 (5 GHz) 80 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes
OFDMA	No
WMM	Yes
DFS	Yes
MLO	No
4K-QAM	No

# Software Specifications

Model	RG-RAP2200(E)
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	No
AP load balancing	No
Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
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	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes

# Software Specifications

Model	RG-RAP2200(E)
Static blacklist	Yes
<b>IP Service</b>	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
<b>Authentication</b>	
802.1X authentication	Yes
<b>Network Management and Monitoring</b>	
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-RAP2200(E)
<b>Package Contents</b>	
<b>Package Contents</b>	1 x AP 1 x Mounting bracket 2 x Cross pan head screws (ST4.2 x 20 mm) 2 x Plastic expansion anchors ( $\phi$ 9 x 25.4 mm) 1 x User Manual 1 x Warranty Card
<b>Accessories</b>	
<b>Power adapter</b>	No

*Ruijie* | REYEE

 Redefine your easy network



**Ruijie Networks Co., Ltd.**

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