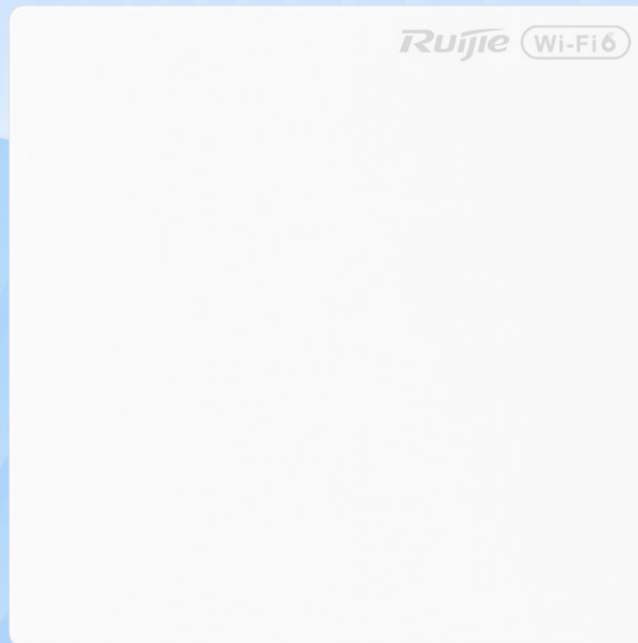


# RG-RAP62-Wall-Lite

## Wi-Fi 6 AX3000 Dual-Band Wall-Plate AP



### / Highlights

- Wi-Fi 6 AX3000 speeds: Maximum 2401 Mbps in 5 GHz + Maximum 573 Mbps in 2.4 GHz
- Compatible with 86-mm and EU standard junction boxes
- Blending into the indoor environment
- Thickness-segmented design, with only 24.8 mm (0.98 in.) exposed on the wall
- Centralized management on Ruijie Cloud

## Elegance in Every Detail

RG-RAP62-Wall-Lite, Wi-Fi 6 AX3000 Dual-Band Wall-Plate AP



### Wi-Fi 6 AX3000 Speeds

Maximum 2401 Mbps in 5 GHz + Maximum 573 Mbps in 2.4 GHz



### Born with Elegance

Blending into the indoor environment



### Thin and Elegant

Thickness-segmented design, with only 24.8 mm (0.98 in.) exposed on the wall



### From Walls to Ceilings — Install It Your Way

Compatible with 86 mm & EU standard junction boxes



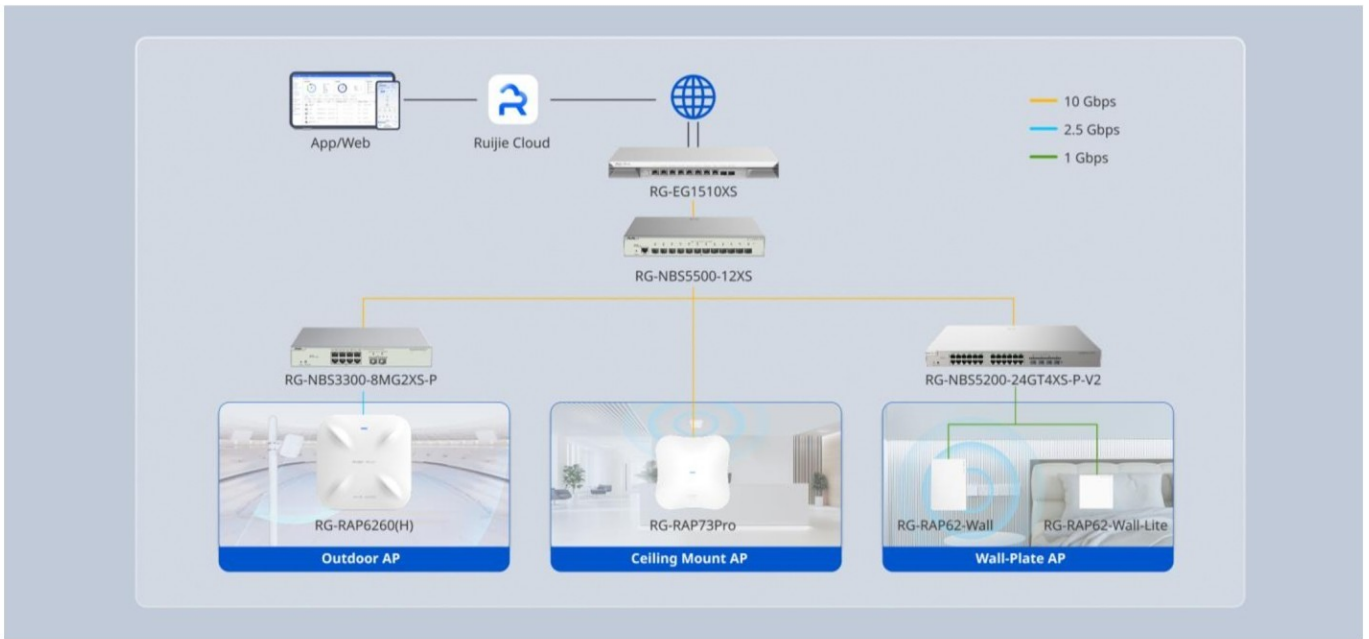
### Centralized Cloud Management

Manage the whole network on Ruijie Cloud



## Blending into the Indoor Environment





### Cloud, Make Your Business Easy

The advertisement features a background image of a modern bedroom with a bed and a large window. In the foreground, a laptop and a smartphone display the Ruijie Cloud management interface, which includes various charts and data points. To the right of the devices, four grey rounded rectangular boxes list the key AI-powered features: 'AI Roaming', 'AI Network Optimization', 'AI Heatmap Pro', and 'AI Diagnostics'. A white wall-mounted AP is also shown in the foreground, partially overlapping the laptop screen.

## Product Information

Model	RG-RAP62-Wall-Lite
Product Type	Wall AP

## Hardware Specifications

Model	RG-RAP62-Wall-Lite
<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) Wi-Fi 6 (IEEE 802.11ax)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax)
Operating band	IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz IEEE 802.11a/n/ac/ax, 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, MU-MIMO • 5 GHz: 2 x 2, MU-MIMO
FEM	iFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80/160 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	2974 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	2401 Mbps
2.4 GHz wireless data rate	573 Mbps

# Hardware Specifications

Model	RG-RAP62-Wall-Lite
<b>Maximum transmit power</b>	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: 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
<b>Maximum transmit power (6 GHz)</b>	No
<b>Maximum transmit power (5 GHz)</b>	Combined power: 21 dBm (single-stream power: 18 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Maximum transmit power (2.4 GHz)</b>	Combined power: 21 dBm (single-stream power: 18 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Coverage range</b>	45 m <sup>2</sup> (484.38 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
<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 and 1024-QAM OFDMA
<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)

# Hardware Specifications

Model	RG-RAP62-Wall-Lite
	<p>Mbps), -71 dBm (54 Mbps)</p> <p>11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15)</p> <p>11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9)</p> <p>11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9)</p> <p>11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9)</p> <p>11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9)</p> <p>11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11)</p> <p>11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11)</p> <p>11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11)</p> <p>11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11)</p>
<b>Antenna</b>	
<b>Antenna</b>	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 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>	4.42 dBi
<b>Antenna gain (2.4 GHz)</b>	3.07 dBi
<b>Dimensions and Weight</b>	
<b>Product dimensions (W x D x H)</b>	86mm x 38mm x 86mm (3.39 in. x 1.50 in. x 3.39 in.)
<b>Color</b>	White
<b>Weight</b>	≤ 0.25 kg (0.55 lbs.) (without packaging materials)
<b>Shipping weight</b>	≤ 0.35 kg (0.77 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
<b>Power Supply and Consumption</b>	

# Hardware Specifications

Model	RG-RAP62-Wall-Lite
Power supply	PoE/PoE+
Local power supply	No
Dimensions of the DC connector	No
PoE In standard	<ul style="list-style-type: none"> <li>• IEEE 802.3af (PoE)</li> <li>• IEEE 802.3at (PoE+)</li> </ul>
PoE budget	No
Maximum power consumption	11.2 W
<b>Environment and Reliability</b>	
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	No
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
<b>Certification and Regulatory Compliance</b>	
RoHS	Yes
Safety compliance	EN 62368-1 IEC 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

# Hardware Specifications

<b>Model</b>	<b>RG-RAP62-Wall-Lite</b>
<b>Certification</b>	CE, CB
<b>System Specifications</b>	
<b>Flash memory</b>	128 MB
<b>RAM</b>	512 MB DDR3

# Software Specifications

Model	RG-RAP62-Wall-Lite
<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	Yes
<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) 256 (5 GHz) 256 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	<ul style="list-style-type: none"> <li>● Support for IEEE 802.11ax and 160 MHz: <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>94 (5 GHz)</li> <li>110 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> <li>● Support for IEEE 802.11ax and 80 MHz: <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>64 (5 GHz)</li> <li>80 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> <li>● Support for IEEE 802.11ac: <ul style="list-style-type: none"> <li>8 (2.4 GHz)</li> <li>32 (5 GHz)</li> <li>40 (2.4 GHz and 5 GHz enabled)</li> </ul> </li> </ul>
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes

# Software Specifications

Model	RG-RAP62-Wall-Lite
OFDMA	Yes
WMM	Yes
DFS	Yes
MLO	No
4K-QAM	No
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	No
AP load balancing	Yes
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	Yes
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256

# Software Specifications

Model	RG-RAP62-Wall-Lite
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blocklist	Yes
<b>IP Service</b>	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	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	Yes

# Software Specifications

Model	RG-RAP62-Wall-Lite
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

# Package Contents

Model	RG-RAP62-Wall-Lite
<b>Package Contents</b>	
<b>Package Contents</b>	1 x AP 2 x Machine screws (M4 x 40 mm) 2 x Machine screws (M3.5 x 30 mm) 2 x Tapping screws (ST3 x 30 mm) 1 x User Manual 1 x Warranty Card
<b>Accessories</b>	
<b>Power adapter</b>	No

***Ruijie***



**Ruijie Networks Co., Ltd.**

For more information, visit [www.ruijie.com](http://www.ruijie.com) or call 86-400-620-8818.