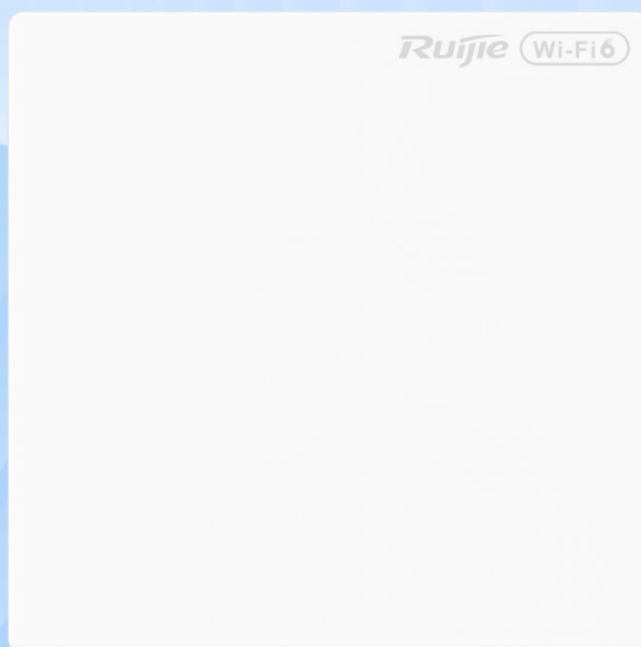


RG-RAP62-Wall-Lite

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

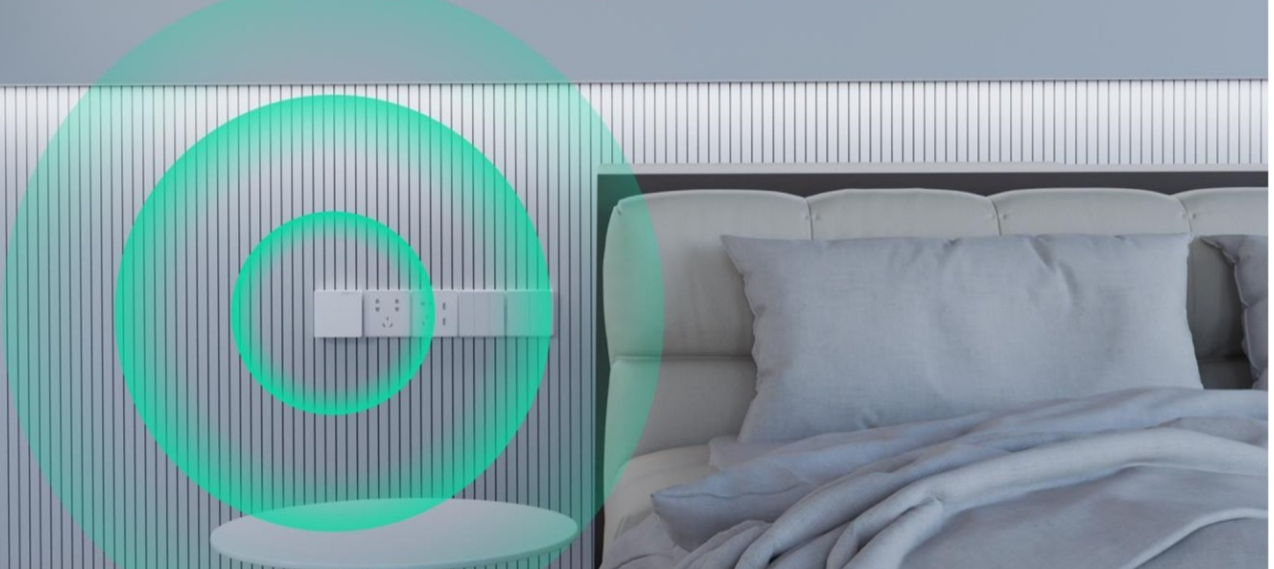


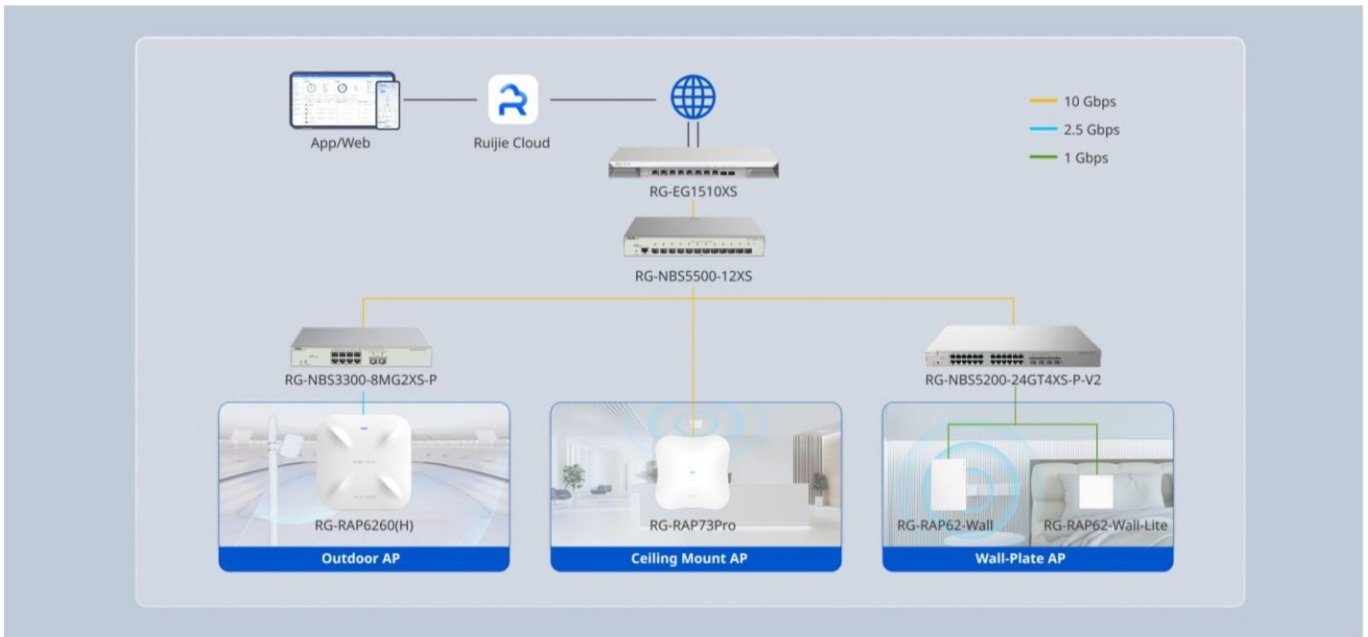
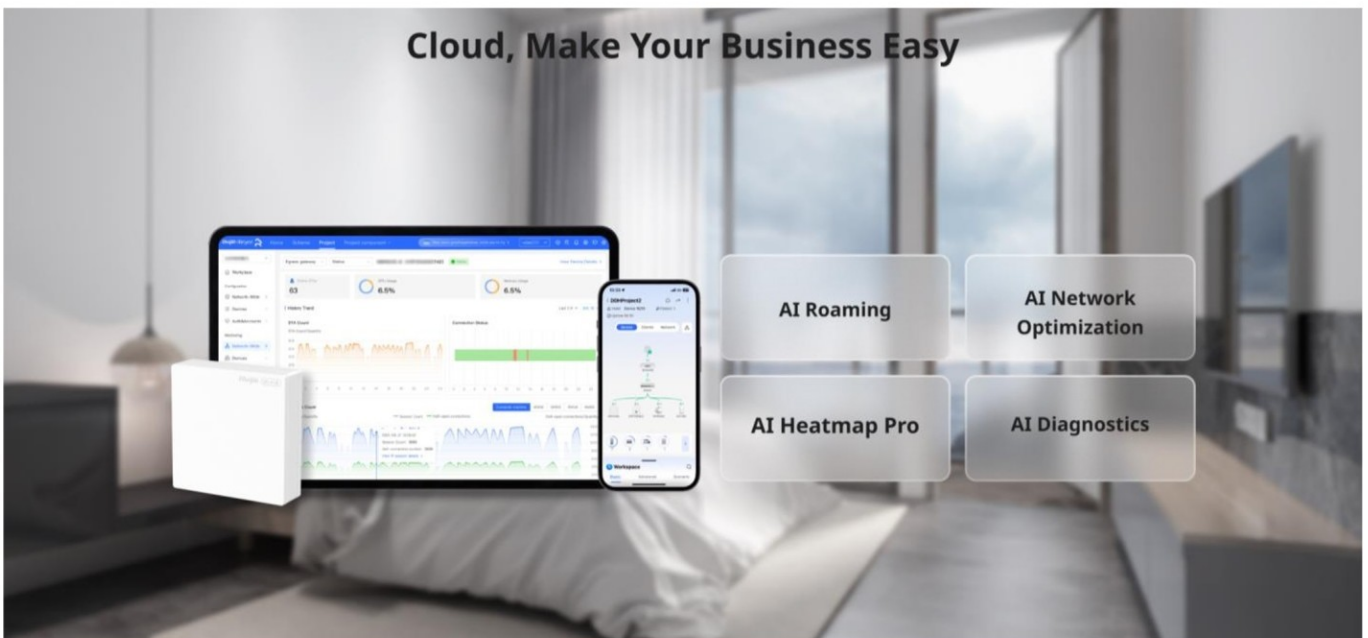
Centralized Cloud Management

Manage the whole network on Ruijie Cloud



Blending into the Indoor Environment





Product Information

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

Hardware Specifications

Model	RG-RAP62-Wall-Lite
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)
	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

Hardware Specifications

Model	RG-RAP62-Wall-Lite
	<ul style="list-style-type: none">• 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
Maximum transmit power	<p>Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):</p> <p>Note: Country specific restrictions apply.</p> <p>European Union & United Kingdom:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar:</p> <p>2400–2483.5 MHz, EIRP ≤ 23 dBm</p> <p>5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:</p>

Hardware Specifications

Model	RG-RAP62-Wall-Lite
	<p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Indonesia:</p> <p>2400–2483.5 MHz, EIRP ≤ 27 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5725–5825 MHz, EIRP ≤ 23 dBm</p> <p>Egypt:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>Vietnam:</p> <p>2400–2483.5 MHz, EIRP ≤ 23 dBm</p> <p>5150–5350 MHz, EIRP ≤ 23 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>5725–5850 MHz, EIRP ≤ 30 dBm</p>
Maximum transmit power (6 GHz)	No
Maximum transmit power (5 GHz)	<p>Combined power: 21 dBm (single-stream power: 18 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>

Hardware Specifications

Model	RG-RAP62-Wall-Lite
Maximum transmit power (2.4 GHz)	<p>Combined power: 21 dBm (single-stream power: 18 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Coverage range	<p>45 m² (484.38 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 and 1024-QAM</p> <p>OFDMA</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> <p>11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9)</p>

Hardware Specifications

Model	RG-RAP62-Wall-Lite
	11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11)
System Specifications	
Flash memory	128 MB
RAM	512 MB DDR3
Power Supply and Consumption	
Power supply	PoE/PoE+
Local power supply	No
Dimensions of the DC connector	No
PoE In standard	<ul style="list-style-type: none">• IEEE 802.3af (PoE)• IEEE 802.3at (PoE+)
PoE budget	No
Maximum power consumption	11.2 W
Dimensions and Weight	
Product dimensions (W x D x H)	86mm x 38mm x 86mm (3.39 in. x 1.50 in. x 3.39 in.)
Color	White

Hardware Specifications

Model	RG-RAP62-Wall-Lite
Weight	≤ 0.25 kg (0.55 lbs.) (without packaging materials)
Shipping weight	≤ 0.35 kg (0.77 lbs.)
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	No
Surge protection	Ethernet port: ±2 kV for common mode
MTBF	400,000 hours
Port Specifications	
Number of 10/100/1000BASE-T ports	2
Reset button	1
LEDs	1 x system status LED
Antenna	
Antenna	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No

Hardware Specifications

Model	RG-RAP62-Wall-Lite
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.42 dBi
Antenna gain (2.4 GHz)	3.07 dBi
Certification and Regulatory Compliance	
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
Certification	CE, CB

Software Specifications

Model	RG-RAP62-Wall-Lite
Ethernet Switching	
IEEE 802.1Q VLAN	Yes
VLAN expansion	Yes
Enabling/Disabling an interface	Yes
Interface rate	10/100/1000 Mbps auto-negotiation
Interface mode (half-duplex/full-duplex switching)	Yes
Authentication	
802.1X authentication	Yes
Dynamic VLAN assignment	Yes
IPv4 Ruijie RG-OCE Identity Manager authentication scheme	Yes
Linkufi authentication	Yes
Ethernet Interface	
PPPoE clients	Yes
Multicast	
IGMP snooping (wireless-to-wireless)	Yes
IGMP snooping (wired-to-wireless)	Yes
IGMP snooping (wired-to-wired)	No
IP Service	
ARP binding	Yes

Software Specifications

Model	RG-RAP62-Wall-Lite
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
Basic Configurations	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
WLAN	
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	● Support for IEEE 802.11ax and 160 MHz: 16 (2.4 GHz) 94 (5 GHz)

Software Specifications

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

Software Specifications

Model	RG-RAP62-Wall-Lite
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
Co-channel roaming	Yes
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
OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
Number of blocklists and allowlists based on MAC addresses (single SSID)	256

Software Specifications

Model	RG-RAP62-Wall-Lite
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
Static blocklist	Yes
Interface	
IPTV transparent transmission	Yes
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

Software Specifications

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

Package Contents

Model	RG-RAP62-Wall-Lite
Package Contents	
Package Contents	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
Accessories	
Power adapter	No

Ruijie



Ruijie Networks Co., Ltd.

For more information, visit www.ruijie.com or call 86-400-620-8818.