

RG-RAP62-Wall Series

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



Highlight Features

- 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
- RG-RAP62-Wall: 4 x 1GE LAN ports, with LAN4 supporting PoE Out
- 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

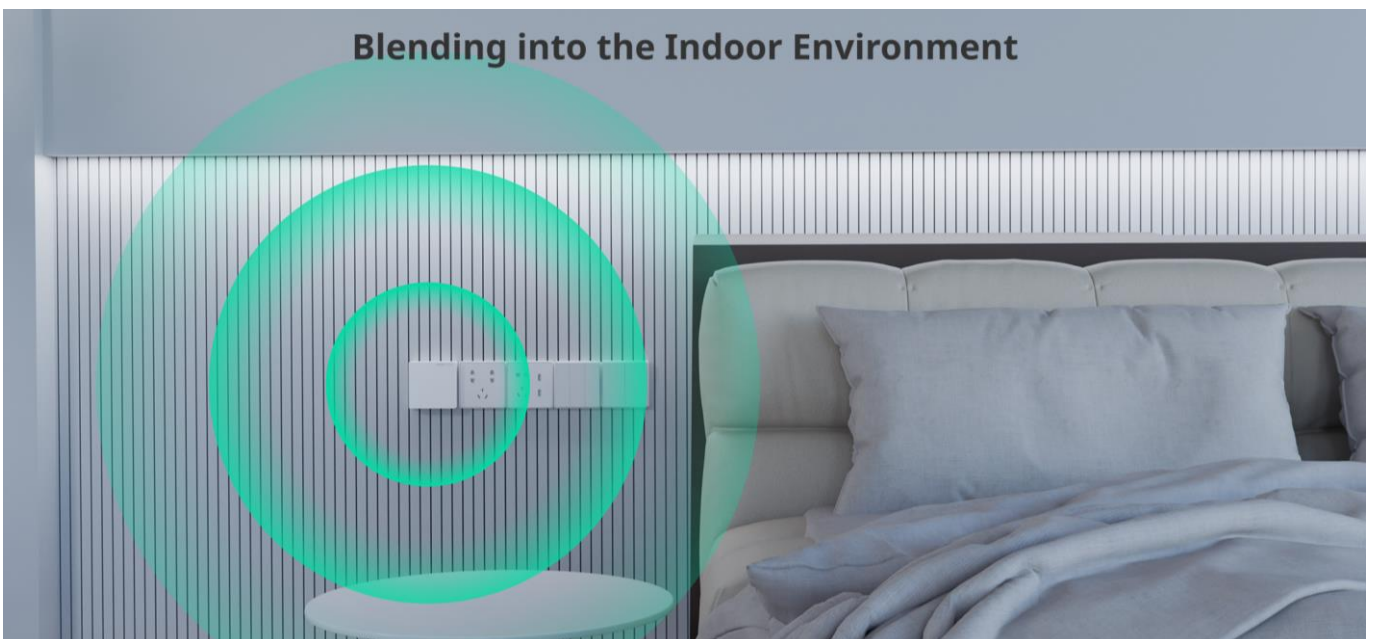


Centralized Cloud Management

Manage the whole network on Ruijie Cloud



Blending into the Indoor Environment



Designed for Practical Use

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



Wi-Fi 6 AX3000 Speeds

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

WI-FI 6

Multi-Port Wall-Plate AP

4 x 1GE LAN ports, with LAN4 supporting PoE Out



23.5 mm (0.93 in.) Ultra-Thin Design

Fit anywhere, beautify every space



Fast and Easy Installation

Support 86 mm, EU, and US standard junction boxes

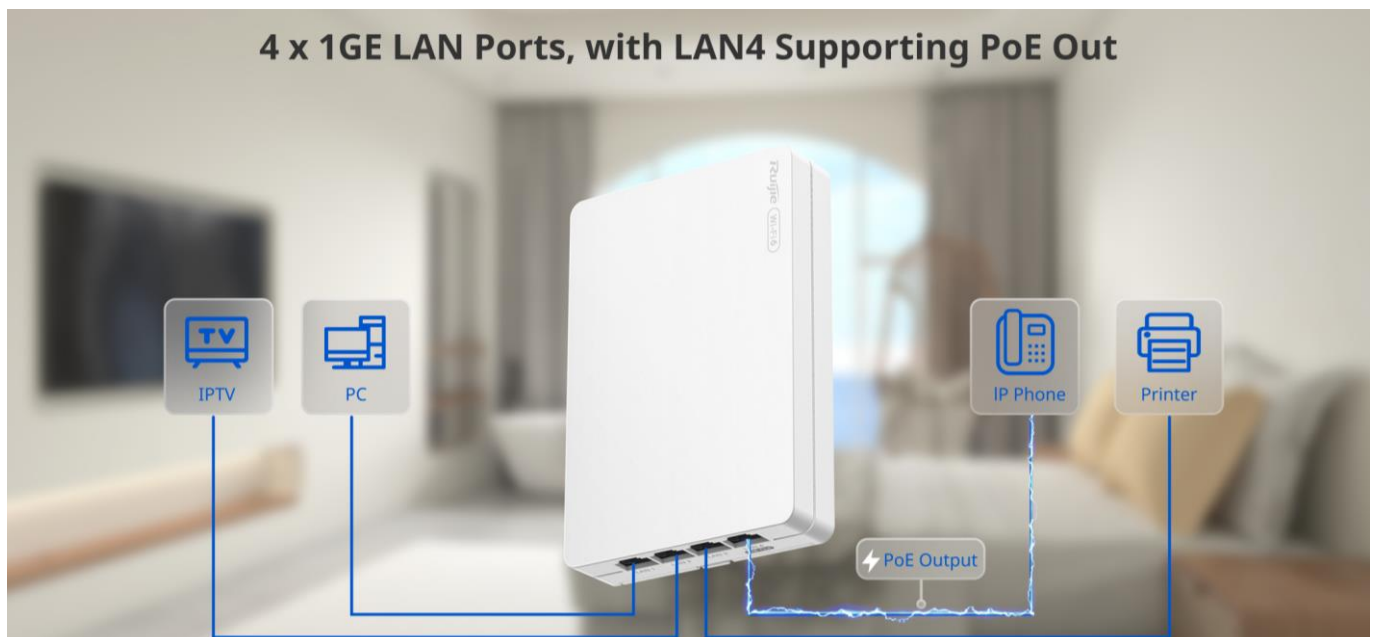


Centralized Cloud Management

Manage the whole network on Ruijie Cloud



4 x 1GE LAN Ports, with LAN4 Supporting PoE Out



Specifications

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
Product Information			
Product Type	Product Type	Wall AP	Wall AP
Category	Category	Ruijie	Ruijie
Hardware Specifications			
System Specifications	Flash memory	128 MB	128 MB
	RAM	512 MB DDR3	512 MB DDR3
Interface Specifications	Reset button	1	1
	LEDs	1 x system status LED	1 x system status LED
Certification and Regulatory Compliance	RoHS	Yes	Yes
	Safety compliance	EN 62368-1	EN 62368-1
		IEC 62368-1	IEC 62368-1
	EMC	EN 55032	EN 55032
		EN 55035	EN 55035
		EN 61000-3-3	EN 61000-3-3
		EN 61000-3-2	EN 61000-3-2
		EN 301489-1	EN 301489-1
		EN 301489-3	EN 301489-3
		EN 301489-17	EN 301489-17
	RF	EN 300 328	EN 300 328
		EN 301 893	EN 301 893
		EN 300 440	EN 300 440
	Certification	CE, CB	CE, CB
Dimensions and Weight	Product dimensions (W x D x H)	86 mm x 23.5 mm x 125 mm (3.39 in. x 0.93 in. x	86mm x 38mm x 86mm (3.39 in. x 1.50 in. x 3.39 in.)

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
		4.92 in.) (excluding the mounting bracket)	
	Package dimensions (W x D x H)	144 mm x 107 mm x 54 mm (5.67 in x 4.21 in x 2.13 in.)	144 mm x 107 mm x 54 mm (5.67 in x 4.21 in x 2.13 in.)
	Color	White	White
	Weight	≤ 0.33 kg (0.73 lbs.) (without packaging materials)	≤ 0.25 kg (0.55 lbs.) (without packaging materials)
	Shipping weight	≤0.43 kg (0.95 lbs.)	≤0.35 kg (0.77 lbs.)
Antenna	Antenna	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas	5 GHz: 1 built-in omnidirectional antenna Integrated 2.4 GHz and 5 GHz: 2 built-in omnidirectional antennas
	Antenna gain (5 GHz)	5.40 dBi	4.42 dBi
	Antenna gain (2.4 GHz)	4.08 dBi	3.07 dBi
Port Specifications	Number of 10/100/1000BASE-T ports	5	2
Power Supply and Consumption	Power supply	PoE/PoE+	PoE/PoE+
	PoE In standard	IEEE 802.3af (PoE) Note: The standard does not support PoE Out. IEEE 802.3at (PoE+)	IEEE 802.3af (PoE) IEEE 802.3at (PoE+)
	Number of PoE Out ports	1	N/A
	PoE budget	10 W (when power source is IEEE 802.3at-compliant)	No
	Maximum power consumption	12 W (excluding PoE output)	11.2 W

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
Environment and Reliability	Operating temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage temperature	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)
	Operating humidity	5% RH to 95% RH (non-condensing)	5% RH to 95% RH (non-condensing)
	Storage humidity	5% RH to 95% RH (non-condensing)	5% RH to 95% RH (non-condensing)
	Mounting options	Junction box	Junction box
	Surge protection	Ethernet port: ±2 kV for common mode	Ethernet port: ±2 kV for common mode
	MTBF	400,000 hours	400,000 hours
Wi-Fi Radio	5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n)	Wi-Fi 4 (IEEE 802.11a/n)
		Wi-Fi 5 (IEEE 802.11ac)	Wi-Fi 5 (IEEE 802.11ac)
		Wi-Fi 6 (IEEE 802.11ax)	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)	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	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.	Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
	Radio design	Dual-radio	Dual-radio
		4 spatial streams	4 spatial streams
		2.4 GHz: 2 x 2, MU-MIMO 5 GHz: 2 x 2, MU-MIMO	2.4 GHz: 2 x 2, MU-MIMO 5 GHz: 2 x 2, MU-MIMO
	5 GHz channel width	Auto/20/40/80/160 MHz	Auto/20/40/80/160 MHz
	2.4 GHz channel width	Auto/20/40 MHz	Auto/20/40 MHz
	Maximum wireless data rate	2974 Mbps	2974 Mbps
	5 GHz wireless data rate	2401 Mbps	2401 Mbps
	2.4 GHz wireless data rate	573 Mbps	573 Mbps
	Maximum transmit power	Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):	Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):
		Note: Country specific restrictions apply.	Note: Country specific restrictions apply.
		European Union & United Kingdom:	European Union & United Kingdom:
		2400–2483.5 MHz, EIRP ≤ 20 dBm	2400–2483.5 MHz, EIRP ≤ 20 dBm
		5150–5350 MHz, EIRP ≤ 23 dBm	5150–5350 MHz, EIRP ≤ 23 dBm
		5470–5725 MHz, EIRP ≤ 30 dBm	5470–5725 MHz, EIRP ≤ 30 dBm
		Myanmar:	Myanmar:

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
		2400–2483.5 MHz, EIRP ≤ 23 dBm	2400–2483.5 MHz, EIRP ≤ 23 dBm
		5725–5825 MHz, EIRP ≤ 30 dBm	5725–5825 MHz, EIRP ≤ 30 dBm
		Thailand:	Thailand:
		2400–2483.5 MHz, EIRP ≤ 20 dBm	2400–2483.5 MHz, EIRP ≤ 20 dBm
		5150–5350 MHz, EIRP ≤ 23 dBm	5150–5350 MHz, EIRP ≤ 23 dBm
		5470–5725 MHz, EIRP ≤ 30 dBm	5470–5725 MHz, EIRP ≤ 30 dBm
		5725–5825 MHz, EIRP ≤ 30 dBm	5725–5825 MHz, EIRP ≤ 30 dBm
		Indonesia:	Indonesia:
		2400–2483.5 MHz, EIRP ≤ 27 dBm	2400–2483.5 MHz, EIRP ≤ 27 dBm
		5150–5350 MHz, EIRP ≤ 23 dBm	5150–5350 MHz, EIRP ≤ 23 dBm
		5725–5825 MHz, EIRP ≤ 23 dBm	5725–5825 MHz, EIRP ≤ 23 dBm
		Egypt:	Egypt:
		2400–2483.5 MHz, EIRP ≤ 20 dBm	2400–2483.5 MHz, EIRP ≤ 20 dBm
		5150–5350 MHz, EIRP ≤ 23 dBm	5150–5350 MHz, EIRP ≤ 23 dBm

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
	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.	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.	Combined power: 21 dBm (single-stream power: 18 dBm) Note: The transmit power varies according to regulations in different countries and regions.
	Coverage range	55 m² (592.01 square ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.	45 m² (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.
	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 and 1024-QAM OFDMA	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

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
	Receive sensitivity	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) 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)	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) 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)
Software Specifications			
Ethernet Interface	PPPoE clients	Yes	Yes
Interface	IPTV transparent transmission	Yes	Yes

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
Authentication	802.1X authentication	Yes	Yes
Basic Configurations	Routing mode	Yes	Yes
	AP mode	Yes	Yes
	Internet access mode	Static IP address	Static IP address
		Static IPv6 address	Static IPv6 address
		Dynamic IP address	Dynamic IP address
Dynamic IPv6 address		Dynamic IPv6 address	
	PPPoE	PPPoE	
Ethernet Switching	VLAN configuration supported on LAN ports	Yes	Yes
	IEEE 802.1Q VLAN	Yes	Yes
IP Service	ARP binding	Yes	Yes
	Traceroute	Yes	Yes
	Static/Dynamic NAT	Yes	Yes
	DHCP server	Yes	Yes
Network Management and Monitoring	Wireless repeater mode	Yes	Yes
	Web login information	Single-device login address: 10.44.77.254	Single-device login address: 10.44.77.254
		Network-wide login address: 10.44.77.253	Network-wide login address: 10.44.77.253
		Default password: admin	Default password: admin
	Network-wide configuration and management	Yes	Yes

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
	Ruijie Reyee App management	Yes	Yes
	eWeb management	Yes	Yes
	Ruijie Cloud management	Yes	Yes
	SNMP	Yes	Yes
	Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes	Yes
	Displaying device information on Ruijie Cloud	Yes	Yes
WLAN	Maximum number of associated wireless clients	64 (2.4 GHz)	64 (2.4 GHz)
		256 (5 GHz)	256 (5 GHz)
		256 (2.4 GHz and 5 GHz enabled)	256 (2.4 GHz and 5 GHz enabled)
	Recommended number of associated wireless clients	Support for IEEE 802.11ax and 160 MHz:	Support for IEEE 802.11ax and 160 MHz:
		16 (2.4 GHz)	16 (2.4 GHz)
		94 (5 GHz)	94 (5 GHz)
		110 (2.4 GHz and 5 GHz enabled)	110 (2.4 GHz and 5 GHz enabled)
		Support for IEEE 802.11ax and 80 MHz:	Support for IEEE 802.11ax and 80 MHz:
		16 (2.4 GHz)	16 (2.4 GHz)
		64 (5 GHz)	64 (5 GHz)
		80 (2.4 GHz and 5 GHz enabled)	80 (2.4 GHz and 5 GHz enabled)
		Support for IEEE 802.11ac:	Support for IEEE 802.11ac:
		8 (2.4 GHz)	8 (2.4 GHz)

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
		32 (5 GHz) 40 (2.4 GHz and 5 GHz enabled)	32 (5 GHz) 40 (2.4 GHz and 5 GHz enabled)"
	Maximum number of SSIDs	8	8
	Radio-based client limiting	Yes	Yes
	Layer 2 isolation	Yes	Yes
	OFDMA	Yes	Yes
	WMM	Yes	Yes
	DFS	Yes	Yes
	Different SSIDs for the same VLAN	Yes	Yes
	Enabling/Disabling EDCCA	Yes	Yes
	AP load balancing	Yes	Yes
	Beamforming	Yes	Yes
	802.11k/v roaming	Yes	Yes
	Fast transition (802.11r)	Yes	Yes
	Layer 2 roaming	Yes	Yes
	Layer 3 roaming	Yes	Yes
	AI roaming	Yes	Yes
	PSK authentication	Yes	Yes
	Static allowlist	Yes	Yes
	Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes	Yes
	OWE (Enhanced Open)	Yes	Yes

Specifications		RG-RAP62-Wall	RG-RAP62-Wall-Lite
	WPA3-SAE		
	WPA2-PSK/WPA3-SAE		
	Number of blocklists and allowlists based on MAC addresses (single SSID)	256	256
	Number of global blocklists/allowlists	256	256
	Mesh management	Yes	Yes
	AP Mesh	Yes	Yes
	AP portal authentication	Yes	Yes
	Maximum number of devices that can be managed	300	300
	One-Click Network Optimization	Yes	Yes
	Static blocklist	Yes	Yes
Package Contents			
Package Contents	Package Contents	1 x AP	
		1 x Mounting bracket	1 x AP
		2 x Machine screws (M4 x 40 mm)	2 x Machine screws (M4 x 40 mm)
		2 x Machine screws (M3.5 x 30 mm)	2 x Machine screws (M3.5 x 30 mm)
		2 x Tapping screws (ST3 x 30 mm)	2 x Tapping screws (ST3 x 30 mm)
		1 x User Manual	1 x User Manual
		1 x Warranty Card	1 x Warranty Card
		1 x Key to security lock	



Ruijie Networks Co., Ltd.

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