INNOVATION
Beyond Networks

# RG-RAP62-Wall

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

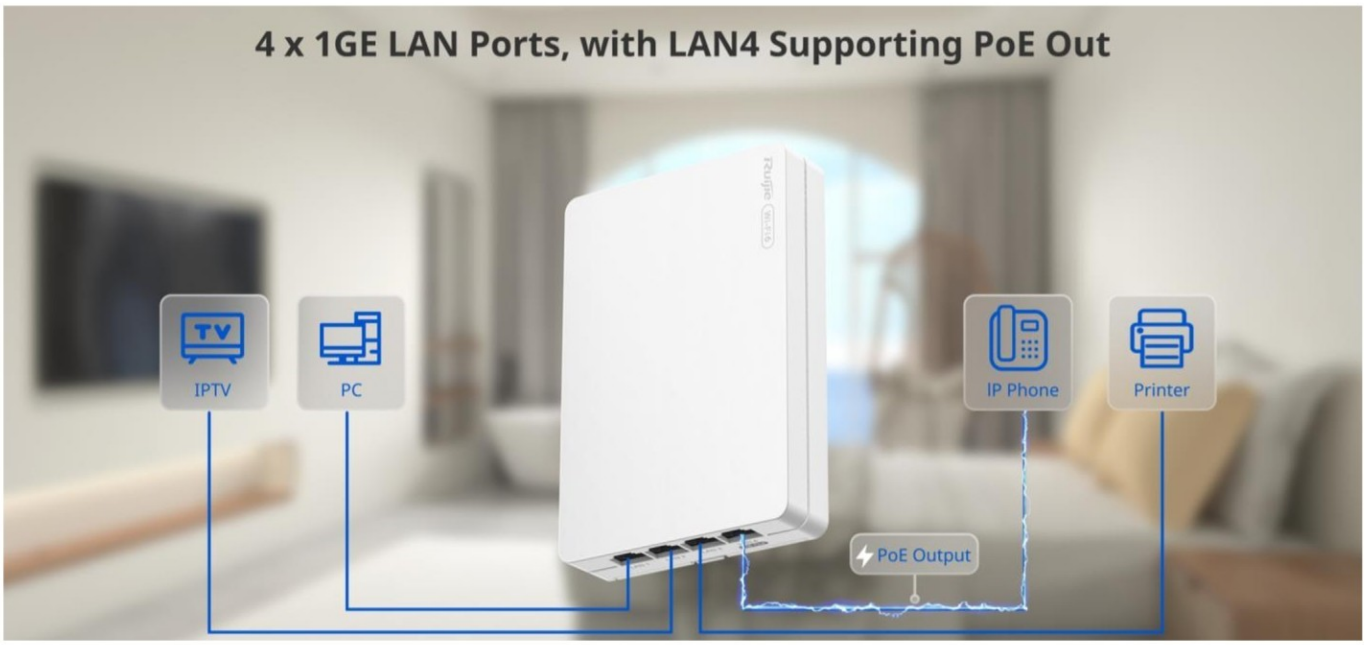
## Highlights

- Wi-Fi 6 AX3000 speeds: Maximum 2401 Mbps in 5 GHz + Maximum 573 Mbps in 2.4 GHz
- 4 x 1GE LAN ports, with LAN4 supporting PoE Out
- Ultra-thin design with a thickness of 23.5 mm (0.93 in.)
- Compatible with 86-mm, EU, and US standard junction boxes
- Centralized management on Ruijie Cloud

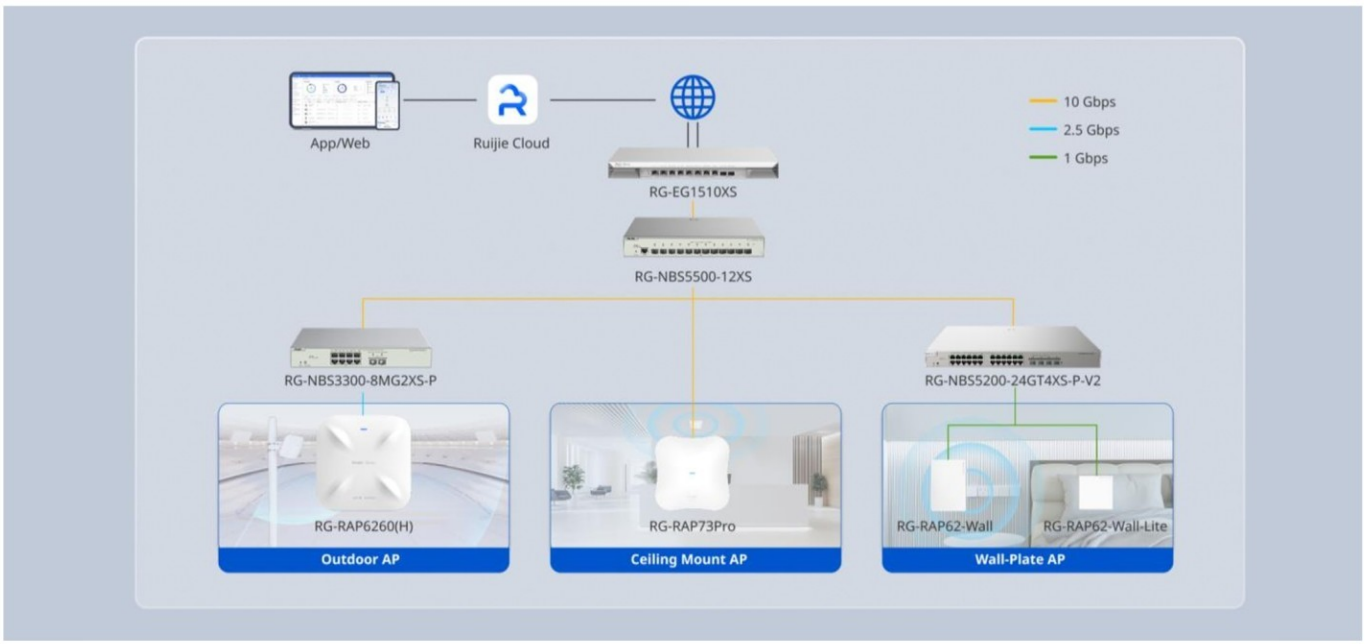
Date: 2026.10.22

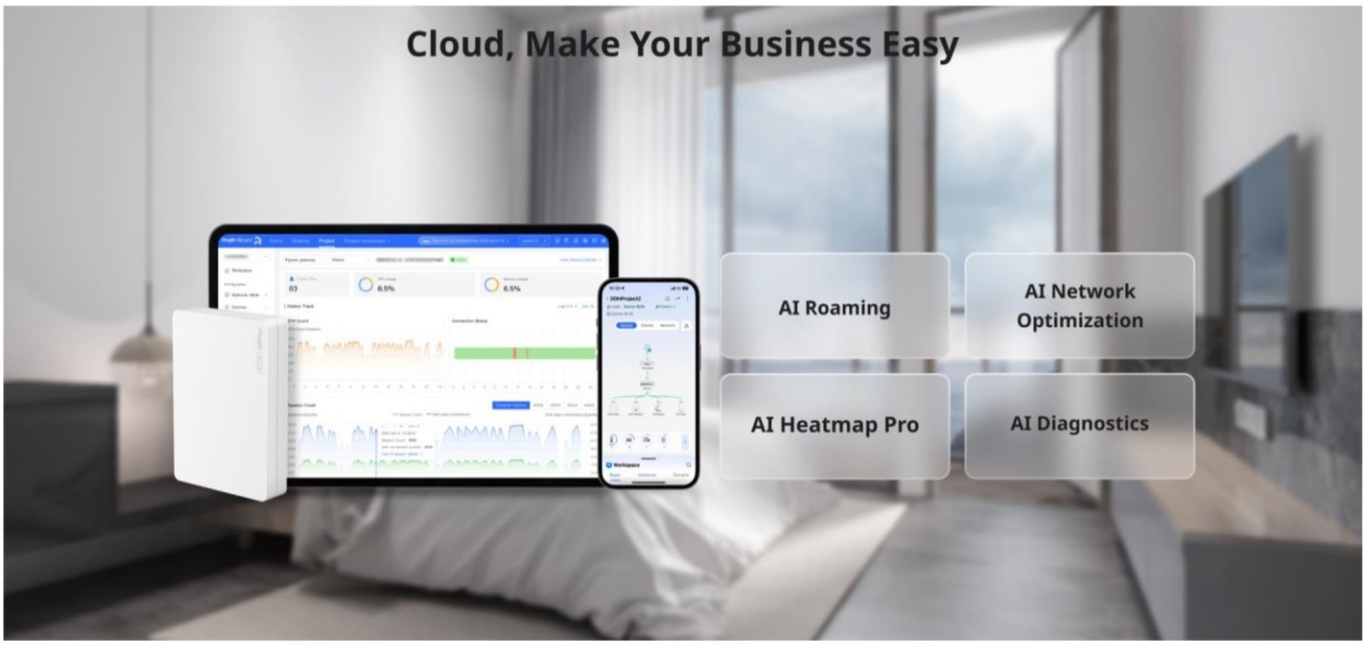
Designed for Practical Use
RG-RAP62-Wall, Wi-Fi 6 AX3000 Dual-Band Multi-Port Wall-Plate AP

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
IPTV
PC
IP Phone
Printer
PoE Output

Fast and Easy Installation
Easily fits three types of junction boxes
86 mm
junction box
EU standard
junction box
US standard
junction box


App/Web
Ruijie Cloud
10 Gbps
2.5 Gbps
1 Gbps
RG-EG1510XS
RG-NBS5500-12XS
RG-NBS3300-8MG2XS-P
RG-NBS5200-24GT4XS-P-V2
RG-RAP6260(H)
RG-RAP73Pro
RG-RAP62-Wall
RG-RAP62-Wall-Lite
Outdoor AP
Ceiling Mount AP
Wall-Plate AP


Cloud, Make Your Business Easy
AI Roaming
AI Network Optimization
AI Heatmap Pro
AI Diagnostics

# Product Information

| Model | RG-RAP62-Wall |
| --- | --- |
| **Product Type** | Wall AP |

# Hardware Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **Wi-Fi Radio** | |
| **6 GHz Wi-Fi** | No |
| **5 GHz Wi-Fi** | Wi-Fi 4 (IEEE 802.11a/n)<br>Wi-Fi 5 (IEEE 802.11ac)<br>Wi-Fi 6 (IEEE 802.11ax) |
| **2.4 GHz Wi-Fi** | Wi-Fi 4 (IEEE 802.11b/g/n)<br>Wi-Fi 6 (IEEE 802.11ax) |
| **Operating band** | IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz<br>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<br>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<br>4 spatial streams |

# Hardware Specifications

| Model | RG-RAP62-Wall |
|---|---|
| | ● 2.4 GHz: 2 x 2, MU-MIMO<br>● 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** | Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):<br>Note: Country specific restrictions apply.<br>European Union & United Kingdom:<br>2400–2483.5 MHz, EIRP ≤ 20 dBm<br>5150–5350 MHz, EIRP ≤ 23 dBm<br>5470–5725 MHz, EIRP ≤ 30 dBm<br>Myanmar:<br>2400–2483.5 MHz, EIRP ≤ 23 dBm<br>5725–5825 MHz, EIRP ≤ 30 dBm<br>Thailand: |

# Hardware Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| | 2400–2483.5 MHz, EIRP ≤ 20 dBm<br>5150–5350 MHz, EIRP ≤ 23 dBm<br>5470–5725 MHz, EIRP ≤ 30 dBm<br>5725–5825 MHz, EIRP ≤ 30 dBm<br>Indonesia:<br>2400–2483.5 MHz, EIRP ≤ 27 dBm<br>5150–5350 MHz, EIRP ≤ 23 dBm<br>5725–5825 MHz, EIRP ≤ 23 dBm<br>Egypt:<br>2400–2483.5 MHz, EIRP ≤ 20 dBm<br>5150–5350 MHz, EIRP ≤ 23 dBm<br>Vietnam:<br>2400–2483.5 MHz, EIRP ≤ 23 dBm<br>5150–5350 MHz, EIRP ≤ 23 dBm<br>5470–5725 MHz, EIRP ≤ 30 dBm<br>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)<br>Note: The transmit power varies according to regulations in different countries and regions. |

# Hardware Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **Maximum transmit power (2.4 GHz)** | Combined power: 21 dBm (single-stream power: 18 dBm)<br>Note: The transmit power varies according to regulations in different countries and regions. |
| **Coverage range** | 55 ㎡ (592.01 square ft.)<br>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<br>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps<br>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and 1024-QAM<br>OFDMA |
| **Receive sensitivity** | 11b: –91 dBm (1 Mbps), –88 dBm (5.5 Mbps), –85 dBm (11 Mbps)<br>11a/g: –89 dBm (6 Mbps), –80 dBm (24 Mbps), –76 dBm (36 Mbps), –71 dBm (54 Mbps)<br>11n: –83 dBm (MCS0), –65 dBm (MCS7), –83 dBm (MCS8), –65 dBm (MCS15)<br>11ac: 20 MHz: –83 dBm (MCS0), –57 dBm (MCS9) |

# Hardware Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| | 11ac: 40 MHz: –79 dBm (MCS0), –57 dBm (MCS9)<br>11ac: 80 MHz: –76 dBm (MCS0), –51 dBm (MCS9)<br>11ac: 160 MHz: –76 dBm (MCS0), –50 dBm (MCS9)<br>11ax: 20 MHz: –85 dBm (MCS0), –58 dBm (MCS11)<br>11ax: 40 MHz: –82 dBm (MCS0), –54 dBm (MCS11)<br>11ax: 80 MHz: –79 dBm (MCS0), –52 dBm (MCS11)<br>11ax: 160 MHz: –76 dBm (MCS0), –49 dBm (MCS11) |
| **Antenna** | |
| **Antenna** | 5 GHz: 1 built-in omnidirectional antenna<br>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)** | 5.40 dBi |
| **Antenna gain (2.4 GHz)** | 4.08 dBi |
| **Port Specifications** | |
| **Number of 10/100/1000BASE-T ports** | 5 |
| **Reset button** | 1 |
| **LEDs** | 1 x system status LED |
| **Power Supply and Consumption** | |

# Hardware Specifications

| Model | RG-RAP62-Wall |
|---|---|
| **Power supply** | PoE/PoE+ |
| **Local power supply** | No |
| **Dimensions of the DC connector** | No |
| **PoE In standard** | ● IEEE 802.3af (PoE)<br>Note: The standard does not support PoE Out.<br>● IEEE 802.3at (PoE+) |
| **Number of PoE Out ports** | 1 |
| **PoE budget** | 10 W (when power source is IEEE 802.3at-compliant) |
| **Maximum power consumption** | 12 W (excluding PoE output) |
| **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 4.92 in.)<br>(excluding the mounting bracket) |
| **Color** | White |
| **Weight** | ≤ 0.33 kg (0.73 lbs.) (without packaging materials) |
| **Shipping weight** | ≤ 0.43 kg (0.95 lbs.) |
| **System Specifications** | |
| **Flash memory** | 128 MB |
| **RAM** | 512 MB DDR3 |
| **Certification and Regulatory Compliance** | |
| **RoHS** | Yes |

# Hardware Specifications

| Model | RG-RAP62-Wall |
|---|---|
| **Safety compliance** | EN 62368-1<br>IEC 62368-1 |
| **EMC** | EN 55032<br>EN 55035<br>EN 61000-3-3<br>EN 61000-3-2<br>EN 301489-1<br>EN 301489-3<br>EN 301489-17 |
| **RF** | EN 300 328<br>EN 301 893<br>EN 300 440 |
| **Certification** | CE, CB |
| **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 |

# Hardware Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **MTBF** | 400,000 hours |

# Software Specifications

| Model | RG-RAP62-Wall |
|---|---|
| **Network Management and Monitoring** | |
| **Wireless repeater mode** | Yes |
| **Web login information** | Single-device login address: 10.44.77.254<br>Network-wide login address: 10.44.77.253<br>Default password: admin |
| **Network-wide configuration and management** | Yes |
| **Ruijie Reyee App management** | Yes |
| **eWeb management** | Yes |
| **Ruijie Cloud management** | Yes |
| **SNMP** | Yes |
| **Configuration synchronization among the app, eWeb, and Ruijie Cloud** | Yes |
| **Displaying device information on Ruijie Cloud** | Yes |
| **Ethernet Interface** | |
| **PPPoE clients** | Yes |
| **Interface** | |
| **IPTV transparent transmission** | Yes |
| **WLAN** | |

# Software Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **Maximum number of associated wireless clients** | 64 (2.4 GHz)<br>256 (5 GHz)<br>256 (2.4 GHz and 5 GHz enabled) |
| **Recommended number of associated wireless clients** | ● Support for IEEE 802.11ax and 160 MHz:<br>16 (2.4 GHz)<br>94 (5 GHz)<br>110 (2.4 GHz and 5 GHz enabled)<br>● Support for IEEE 802.11ax and 80 MHz:<br>16 (2.4 GHz)<br>64 (5 GHz)<br>80 (2.4 GHz and 5 GHz enabled)<br>● Support for IEEE 802.11ac:<br>8 (2.4 GHz)<br>32 (5 GHz)<br>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 |

# Software Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **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 |
| **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 |

# Software Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **OWE (Enhanced Open)**<br>**WPA3-SAE**<br>**WPA2-PSK/WPA3-SAE** | Yes |
| **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 |
| **Static blocklist** | Yes |
| **Multicast** | |
| **IGMP snooping (wireless-to-wireless)** | Yes |
| **IGMP snooping (wired-to-wireless)** | Yes |
| **IGMP snooping (wired-to-wired)** | No |
| **Basic Configurations** | |
| **AP mode** | Yes |

# Software Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **Routing mode** | Yes |
| **Internet access mode** | Static IP address<br>Static IPv6 address<br>Dynamic IP address<br>Dynamic IPv6 address<br>PPPoE |
| **IP Service** | |
| **ARP binding** | Yes |
| **IPv4 ping** | Yes |
| **IPv6 ping** | Yes |
| **Traceroute** | Yes |
| **Static/Dynamic NAT** | Yes |
| **DHCP server** | Yes |
| **IPv6** | Yes |
| **Authentication** | |
| **802.1X authentication** | Yes |
| **Dynamic VLAN assignment** | Yes |
| **IPv4 Ruijie RG-OCE Identity Manager authentication scheme** | Yes |
| **Linkufi authentication** | Yes |
| **Ethernet Switching** | |

# Software Specifications

| Model | RG-RAP62-Wall |
| --- | --- |
| **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 |

# Package Contents

| Model | RG-RAP62-Wall |
| --- | --- |
| **Package Contents** | |
| **Package Contents** | 1 x AP<br>1 x Mounting bracket<br>2 x Machine screws (M4 x 40 mm)<br>2 x Machine screws (M3.5 x 30 mm)<br>2 x Tapping screws (ST3 x 30 mm)<br>1 x User Manual<br>1 x Warranty Card<br>1 x Key to security lock |
| **Accessories** | |
| **Power adapter** | No |

**Ruijie Networks Co., Ltd.**

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