# Ruijie | Reyee

# RG-RAP62-OD
## AX3000 Wi-Fi 6 Indoor/Outdoor Versatile Access Point

DATASHEET **Explore More ▶**

## Highlights

- AX3000 Versatile Outdoor/Indoor Mesh AP for Villas and Retail Businesses

- Wall or Pole Mounting to Fit in Any Location

- IP65 Weatherproof Rating, Delivering Consistent Protection and Signal Stability

- Build-in Antennas for Customized Coverage Where Needed

- Tailored for Retail Businesses with Reyee AP Mesh, Standalone Portal, and AI Roaming Features
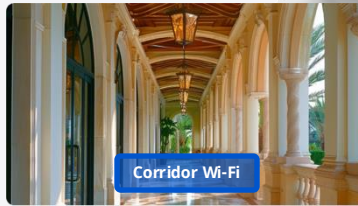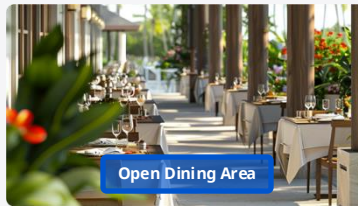
# Highlight Features



## Small But **That Fine Wi-Fi**
AX3000 Wi-Fi 6 Indoor/Outdoor Versatile Access Point

**RG-RAP62-OD**

WiFi 6

## Featuring A Sleek Design for Deployment Indoors and Outside

**Fast & Stable Wi-Fi 6 Speeds**
Ideal for Open Space Business Outdoor Wi-Fi Coverage

**More Devices and Wider Coverage**
This is what your house's Wi-Fi should be



Swimming Pool

Open Dining Area

Small and Medium Amphitheater
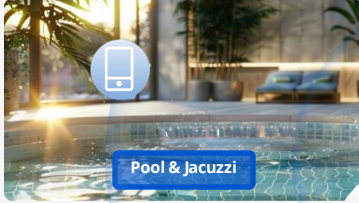
Corridor Wi-Fi

WiFi 6

**5Ghz**
2402 Mbps

**2.4Ghz**
574 Mbps

# Highlight Features

## Featuring A Sleek Design for Deployment Indoors and Outside

**Fast & Stable Wi-Fi 6 Speeds**
Ideal for Open Space Business Outdoor Wi-Fi Coverage

**More Devices and Wider Coverage**
This is what your house's Wi-Fi should be

Pool & Jacuzzi

Backyard

Capacity MAX 512， Recommend 110
Coverage 250+ m2

Security Camera

Whole Family Wi-Fi

## The Way We Made Reliable & Long-Range Wi-Fi for Coverage

Professional build-in antennas equipped with Enterprise-grade high-gain amplifiers and utilized Wi-Fi 6 technology to make the whole device perform perfectly in coverage and quality Wi-Fi delivered.
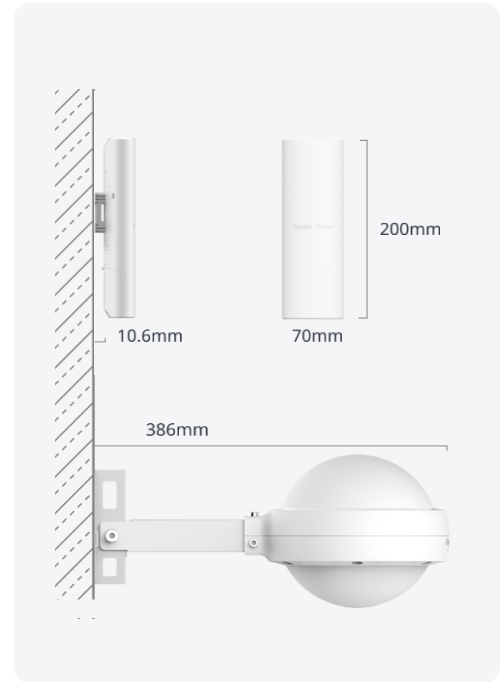
2.4Ghz: 100m+

5Ghz: 300m+
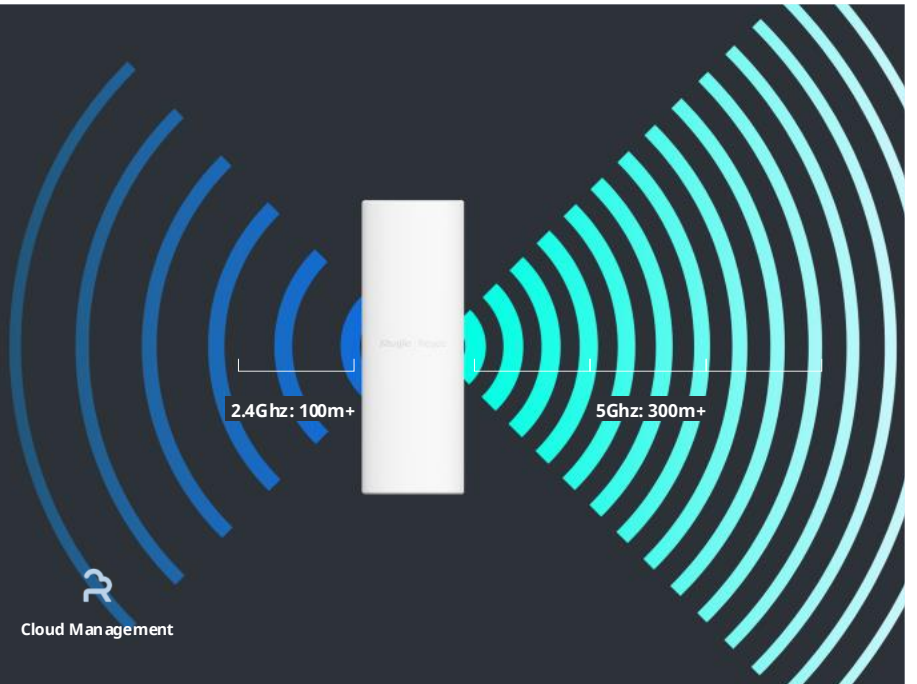
Reyee Mesh     IP65     Smart Build-in Antennas     Cloud Management

# Highlight Features

## Refined Appearance

Infinite Art Possible, Unleash limited Space



Wall Mounting

Pole Mounting

200mm

10.6mm

70mm

386mm
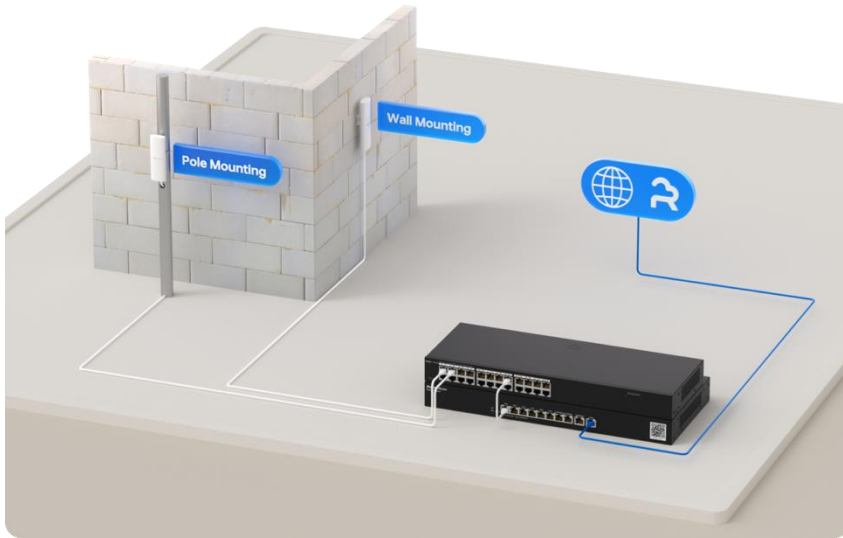
## Consistent Protection, Stable Signal

Weatherproof - Rated as IP65 during Ingress Protection Testing



**Raining-Proof**

（Within a distance of 2.5 meters） strongly sprayed by water with a flow rate of 12.5±0.625（L/min）

**Dust-Proof**

Highest Protection to prevent tiny dust into the inside of device

**Surge-Protection**

4kV Lightning Protection
15kV ESD Protection

# Highlight Features



## Optimized Features for Street Business

**Reyee Mesh**    AP Portal    Roaming



## Optimized Features for Street Business

Reyee Mesh    **AP Portal**    Roaming

Success

About to jump to www.ruijienetworks.com

# Highlight Features

## Optimized Features for Street Business

Reyee Mesh          AP Portal          **Roaming**
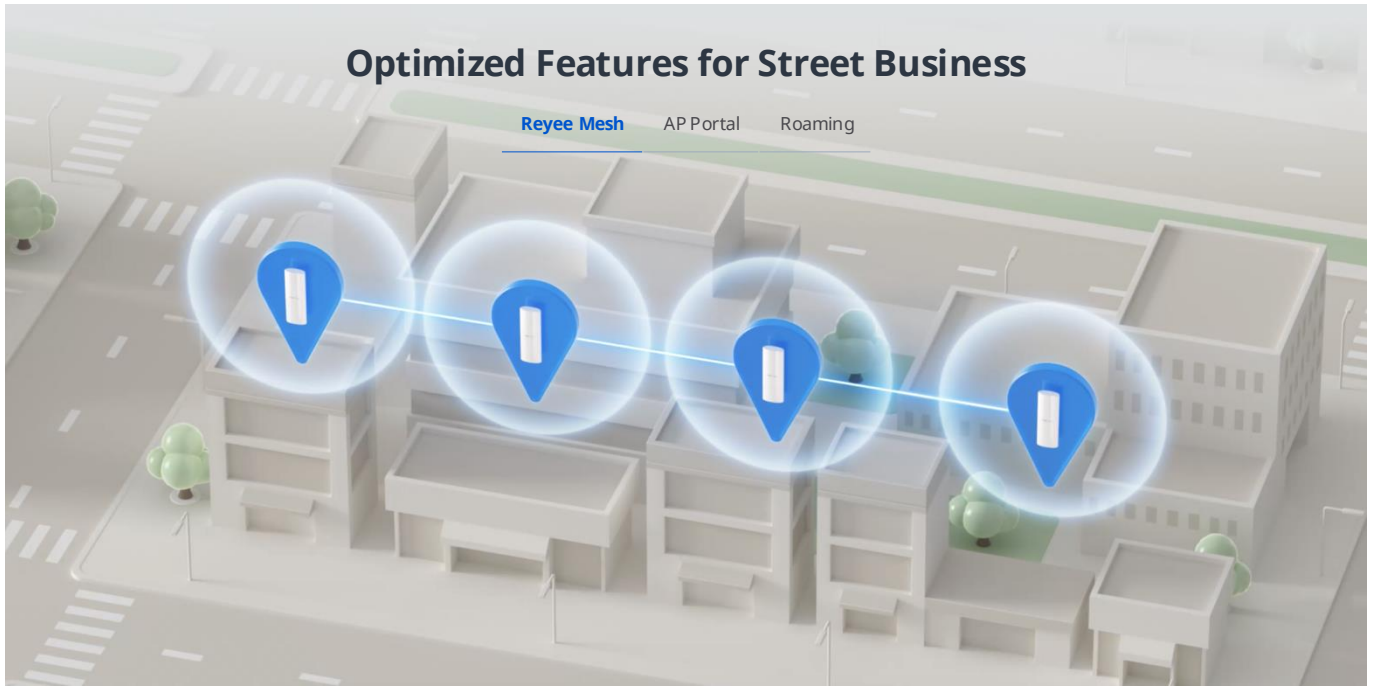
## Cloud, Make Your Business Easy

- Self-Organizing Network
- Cloud portal authentication
- Centralized network management
- Remote monitoring and maintenance

# Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Hardware Specifications** | |
| **Wi-Fi Protocols** — 5 GHz | Wi-Fi 4: IEEE 802.11a/b/g/n<br>Wi-Fi 5: IEEE 802.11ac Wave 2<br>Wi-Fi 6: IEEE 802.11ax |
| **Wi-Fi Protocols** — 2.4 GHz | Wi-Fi 4: IEEE 802.11b/g/n<br>Wi-Fi 6: IEEE 802.11ax |
| **Operating Frequency Bands (country-specific restrictions apply)** — 5 GHz | 5.150 GHz to 5.350 GHz,<br>5.470 GHz to 5.725 GHz,<br>5.725 GHz to 5.850 GHz |
| **Operating Frequency Bands** — 2.4 GHz | 2.400 GHz to 2.4835 GHz |
| **Spatial Streams** — 5 GHz | 2 spatial streams, 2x2 MIMO |
| **Spatial Streams** — 2.4 GHz | 2 spatial streams, 2x2 MIMO |
| **Antenna** — Omni-directional | Yes |
| **Antenna** — 5 GHz Antenna Gain | 6.5dBi |
| **Antenna** — 2.4 GHz Antenna Gain | 4.0dBi |
| **Channel Width** — 5 GHz | Auto/20/40/80/160 MHz |
| **Channel Width** — 2.4 GHz | Auto/20/40 MHz |
| **Data Rate** — Max Throughput | 2974Mbps |
| **Data Rate** — 5 GHz | 2401Mbps |
| **Data Rate** — 2.4 GHz | 573Mbps |
| **Max. Transmit Power** — 5 GHz | ≤200mW(23dBm) |
| **Max. Transmit Power** — 2.4 GHz | ≤200mW(23dBm) |
| **Wi-Fi Coverage** — Optimal Coverage | 150 |
| **Wi-Fi Coverage** — Max. Wi-Fi Coverage Range (6 GHz) | N/A |
| **Wi-Fi Coverage** — Max. Wi-Fi Coverage Range (5 GHz) | 300m |
| **Wi-Fi Coverage** — Max. Wi-Fi Coverage Range (2.4 GHz) | 100m |

# Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Hardware Specifications** | |

| | | |
|---|---|---|
| **Modulation** | Modulation | OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps<br>DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps<br>MIMO-OFDM: BPSK, QPSK, 16QAM , 64QAM, 256QAM and1024QAM<br>OFDMA |
| **Receiver Sensitivity** | Receiver Sensitivity | 11b: -91dBm(1Mbps), -88dBm(5.5Mbps),-85dBm(11Mbps)<br>11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(54Mbps)<br>11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15)<br>11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9)<br>11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9)<br>11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9)<br>11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11)<br>11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11)<br>11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11) |
| **Dimensions (W x D x H)** | Dimensions (excluding mounting kits) | 200 mm x 70 mm x 35 mm<br>(7.87 in. x 2.76 in. x 1.38 in.) |
| **Weight** | excluding mounting kits | ≤ 0.4 kg (0.88 lbs.) |
| **Service Ports** | Number of 10/100/1000BASE-T Ports | 1<br>(supports 802.3at PoE) |
| | Number of 10/100/1000/2500BASE-T Ports | 0 |
| | Number of 100/1000/2.5G/5G/10GBASE-T Ethernet Ports | 0 |
| **Power Supply** | DC(Local Power) | No |
| | DC Port Dimensions | No |
| | 802.3af | Yes |
| | 802.3at | Yes |
| | 802.3bt | N/A |
| | 48 V passive PoE | Yes |

# Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Hardware Specifications** | |

| | | |
|---|---|---|
| **PoE Out** | Max. PoE Wattage by PSE | No |
| **Power Consumption** | Power Consumption | < 16 W |
| **Power Adapter** | Power Adapter | No |
| **Buttons** | Button | 1 × Factory reset |
| **LEDs** | LEDs | 1 × System LED indicator |
| **Environment** | Operating Temperature | −30°C to +65°C (−22°F to +149°F) |
| | Storage Temperature | −40°C to +75°C (−40°F to +167°F) |
| | Operating Humidity | 5% to 95% (non-condensing) |
| | Storage Humidity | 5% to 95% (non-condensing) |
| **Mounting** | Ceiling-mount | No |
| | Wall-mount | Yes |
| | Pole-mount | Yes |
| **Compliance Standards** | Health | EN IEC 62311:2020 |
| | Spectrum | EN 300 328 V2.2.2<br>EN 301 893 V2.1.1<br>EN 300 440 V2.2.1 |
| **Weatherproof** | IP Rating | IP65 |
| | Lightning Protection/Surge | ±4 kV |

# / Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Software Specifications** | |

| | | |
|---|---|---|
| **Operating Mode (AP Mode and Router Mode)** | Router Mode | Yes |
| | AP Mode | Yes |
| **WLAN** | Recommended Number of Clients | BW160 11AX：16(2.4G)+94(5G)=110<br>BW80 11AX：16(2.4G)+64(5G)=80<br>11AC：8(2.4G)+32(5G)=40 |
| | Max. Number of SSIDs | 8 |
| | Radio-based STA Limit | Yes |
| | Layer 2 Client Isolation | Yes |
| | OFDMA Subcarrier | Yes |
| | OFDMA | Yes |
| | Target Wake Time (TWT) | No |
| | Wi-Fi Multimedia (WMM) | Yes |
| | 802.1Q VLAN | Yes |
| | Multi-Link Operation (MLO) | No |
| | 4K-QAM | No |
| | Same SSID for Different VLANs | Yes |
| **Roaming** | 802.11k/v | Yes |
| | 802.11r | Yes |
| | Layer 2 Roaming | Yes |
| | Layer 3 Roaming | Yes |
| | AI Roaming | Yes |
| **Security** | PSK Authentication | Yes |
| | Static Blocklist and Allowlist | Yes |

# Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Software Specifications** ||
| **Security** | WPA (TKIP), WPA2 (AES), and WPA-PSK | Yes |
| | OWE (Enhanced Open)<br>WPA3-SAE<br>WPA2-PSK/WPA3-SAE | Yes |
| | DHCP Snooping | Yes |
| | 802.1X | Yes |
| | ARP Check | No |
| | IP Source Guard | No |
| | LLDP | No |
| | Static ARP Binding | Yes |
| | Proxy ARP | No |
| | Ping | Yes |
| | Traceroute | Yes |
| **Routing** | NAT | Yes |
| | Static IP Address | Yes |
| | DHCP Server | Yes |
| | PPPoE Client<br>PPPoE Dial-up | Yes |
| **AP Mesh** | Mesh Management | Yes |
| | Reyee Mesh | Yes |
| **Standalone Portal** | Captive Portal | Yes |
| | Bandwidth Limit | Yes |
| | Data Quota | No |

# / Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Software Specifications** | |

| | | |
|---|---|---|
| **Management and Maintenance** | Default Access/Password | Yes |
| | No. of APs on a Self-Organizing Network | 300 |
| | Unified Networking for All Network Equipment | Yes |
| | Local or Remote Management via Ruijie Reyee App | Yes |
| | Local Management via the Web Interface | Yes |
| | Remote Management via Ruijie Cloud | Yes |
| | SNMP | Yes |
| **Platform Management Features** | Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed. | Yes |
| | Unified Configuration via Ruijie Cloud | Yes |
| | Unified Monitoring via Ruijie Cloud | Yes |

## Specifications

| Model | RG-RAP62-OD |
|---|---|
| **Others** ||
| Flash | Flash | 128MB |
| Memory | Memory | 512MB |
| Color of AP Enclosure | Color of AP Enclosure | Warm White |

# RUijie | Reyee

## Redefine your easy network

Ruijie Networks Co., Ltd.
**Official Website**: https://Reyee.Ruijie.com