# RG-RAP6262
## Wi-Fi 6 AX3000 High Performance Outdoor Access Point

DATASHEET

## Highlights

- 'UFO' design, a perfect blend of high performance and full coverage.
- Enter the era of ultra-high Wi-Fi 6 speed.
- Extra-distance access point deployment with SFP port.
- IP68 protection, rock-solid in harsh environments.
- Easily expand extra outdoor Wi-Fi with Reyee Mesh.

# Highlight Features

## A Perfect Blend of High Performance and Full Coverage

| | Wi-Fi 6 AX3000 | | Omni-directional Antennas | | SFP Port | | Reyee Mesh | | Free Cloud Management |

## Enter the Era of Ultra-high Wi-Fi 6 Speed

With a revolutionary combination of OFDMA and 1024QAM, the latest 802.11ax standard, and the 160MHz band, RG-RAP6262 wireless aggregation rate reaches 2.976Gbps.
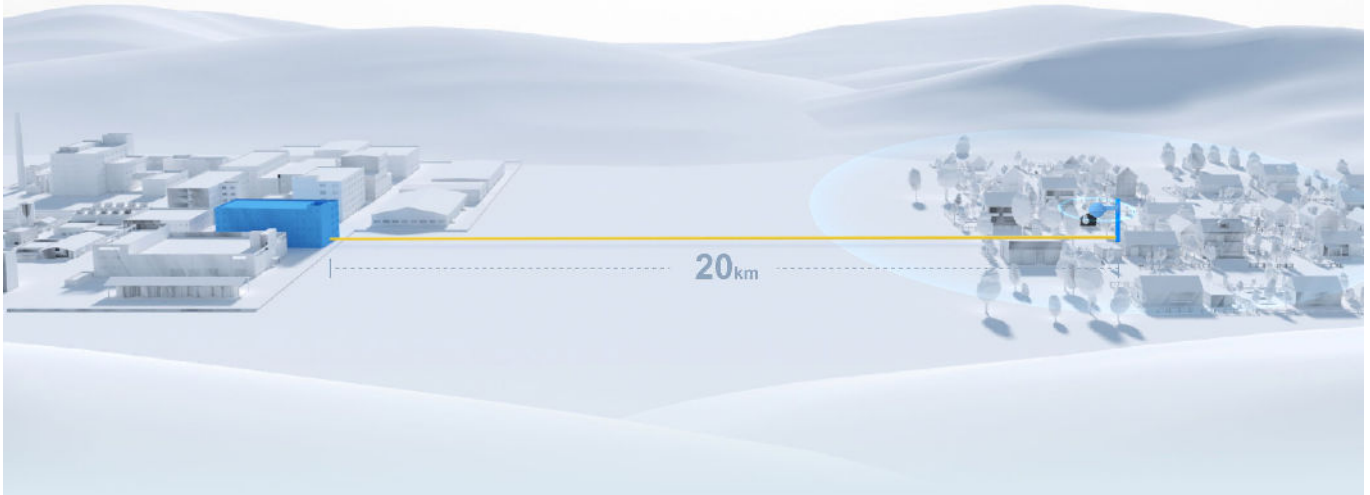
| RG-RAP6262 | 2976 Mbps |
| RG-RAP6262(G) | 1775Mbps |

# Highlight Features

## Support Extra-Distance Access Point Deployment

With gigabit SFP port, the device supports up to 20km
transmission from datacenter with single mode fiber

**20km**

## Rock-solid in Harsh Environments

Adopts completely sealed, waterproof, dustproof, moisture proof and flame-retardant, wind erosion protection, Wide Temperature range,
and 4kV surge protection design.

| IP68 Protection | 4kV Lighting Protection | Wind Erosion Protection | -30°C ~ 65°C Flame-Retardant |

# Highlight Features

## Omni-directional Coverage with Long Range

Built-in 5 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz*.

*The maximum range of Wi-Fi coverage is calculated based on field tests. The real transmission range may vary, according to the environment, receiving device, etc.

## Easily Expand Extra Outdoor Wi-Fi with Reyee Mesh

Less wiring, more relaxing

# Highlight Features

## Easy Installation, Firmly Fixed

Rack-separated mounting design, easily installation on high. Replace plastic cable ties by iron hoop.



## Cloud, Make Your Business Easy

- Remote monitoring
- Remote Wi-Fi management
- Cloud portal authentication
- Wireless intelligent optimization

## Specifications

| Basic Feature | |
|---|---|
| Wi-Fi Standards | Wi-Fi 6 (IEEE 802.11ax)<br>Wi-Fi 5 (IEEE 802.11ac Wave 2)<br>Wi-Fi 4 (IEEE 802.11n)<br>IEEE 802.11a<br>IEEE 802.11b/g |
| MIMO | 2.4GHz, 2×2, MU-MIMO<br>5GHz, 2×2, MU-MIMO |
| Max. Wi-Fi Speed | 2.4GHz: 574Mbps<br>5GHz: 2402Mbps |
| Antenna | 5 |
| Antenna Type | Built-In Omnidirectional |
| Antenna Gain | 2.4GHz: 3dBi<br>5 GHz: 4dBi |
| Transmit Power | Frequency bands using and the max EIRP:<br>Note: Country specific restrictions apply<br>**European Union & United Kingdom**<br>2400-2483.5 MHz, EIRP≤ 20 dBm<br>5470-5725 MHz, EIRP≤ 30 dBm<br>**United States:**<br>2400-2483.5 MHz, max output power≤30dBm & EIRP ≤ 36 dBm<br>5150-5250 MHz, max output power≤30dBm & EIRP ≤ 36 dBm<br>5250-5350 MHz, max output power<24dBm & EIRP ≤ 30 dBm<br>5470-5725 MHz, max output power<24dBm & EIRP ≤ 30 dBm<br>5725-5825 MHz, max output power≤30dBm & EIRP ≤ 36 dBm<br>**Myanmar :**<br>2400-2483.5 MHz, EIRP ≤ 23 dBm<br>5725-5825 MHz, EIRP ≤ 30 dBm<br>**Thailand:**<br>2.4 GHz to 2.4835 GHz: 20 dBm<br>5.470 GHz to 5.725 GHz: 30 dBm<br>5.725 GHz to 5.825 GHz: 30 dBm<br>**Indonesia:**<br>2400-2483.5MHz, EIRP ≤ 36 dBm<br>5725-5825MHz, EIRP ≤ 36 dBm<br>**Egypt:**<br>2400-2483.5 MHz, EIRP ≤ 20 dBm<br>5150-5350 MHz, EIRP ≤ 23 dBm |
| Fixed Ports | 1 × 10/100/1000 Base-T port<br>1 × 1GBase-X SFP port<br>1 × DC port<br>1 × Reset button |

# Specifications

| Basic Feature | |
|---|---|
| Max. Clients | 512 |
| Recommended Clients | 110 |
| Max. SSIDs | 8 |
| Recommended Wi-Fi Coverage Radius | 2.4GHz: 50 meters<br>5GHz: 150 meters<br>The Wi-Fi coverage is related to the installation environment of the access point. |
| Max. Wi-Fi Coverage Radius | 300 Meters |
| Operation Frequency Bands | 802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz<br>802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz,<br>5.725 GHz to 5.850 GHz<br>country-specific restrictions apply |

| Software Feature | |
|---|---|
| **WLAN Basic Features** | |
| Power Adjustment | ✓ |
| Frequency Bandwidth | 2.4 GHz: Auto/20/40 MHz<br>5 GHz: Auto/20/40/80/160 MHz |
| Roaming | Layer 2 roaming<br>Layer 3 roaming<br>802.11k/v/r |
| OFDMA | ✓ |
| Beamforming | ✓ |
| WMM | ✓ |
| Radar Signal Detection and Frequency Hopping (DFS) | ✓ |
| **WLAN Security** | |
| Wi-Fi Password | 16 Digits |
| Security Mode | WPA-PSK, WPA2-PSK, WPA/WPA2-PSK |
| Blacklist and Whitelist | ✓ |

## / Specifications

| Software Feature | |
|---|---|
| **Enhanced User Experience** | |
| Wi-Fi Optimization | ✓ |
| STA Limit | ✓ |
| Removing Low-RSSI STAs | ✓ |
| Adjusting Sending Rate of Beacon and Probe Response | ✓ |
| Syslog Recording Why Users Lose Connection | ✓ |
| Auto Channel and Power Adjustment on Cloud | ✓ |
| RSSI Threshold for STA Access | ✓ |
| Load Balancing | ✓ |
| **Networks** | |
| Network Access Mode | PPPoE Client<br>DHCP Client<br>Static IP |
| VLAN | ✓ |
| DHCP Server | ✓ |
| **System** | |
| Cloud Management | ✓ |
| APP Management | ✓ |
| APP Upgrade | ✓ |
| APP Restart | ✓ |
| Scheduled Restart | ✓ |
| Default Access/Password | 10.44.77.254<br>The factory status password: admin |
| Local Upgrade | ✓ |

# Specifications

| System | |
|---|---|
| Online Upgrade | ✓ |
| Dual-bin Backup | ✓ |
| Factory Reset | ✓ |
| Language | Chinese<br>English |
| System Log | ✓ |
| Diagnostics | ✓ |
| Network Check | ✓ |

| Physical | |
|---|---|
| LED Indicator | 1 × System LED indicator<br>1 × Wi-Fi LED indicator<br>1 × SFP LED indicator<br>1 × LAN LED indicator |
| Buttons | 1 × Reset button |
| Dimensions (W × D × H) | 230 mm x 230 mm x 195 mm (Without Mounting Bracket) |
| Weight | ≤1.4 kg (Without Mounting Bracket) |
| DC Port Dimensions | Outer Diameter: 5.5 mm<br>Inner Diameter: 2.1 mm<br>Length: 10 mm |
| Installation | Wall-Mountable/Pole-Mountable |
| Mounting Bracket Dimensions (W × D × H) | 155mm x 129mm x 35mm |
| Mounting Hole Pattern | 65 mm x 110 mm |
| Mounting Hole Diameter | 9 mm |
| Pole Diameter | 70 mm to 140 mm |
| Power Supplies | IEEE 802.3at PoE<br>DC 12V/2A |
| Power Consumption | < 24W |
| PoE Power Budget | NA |

# Specifications
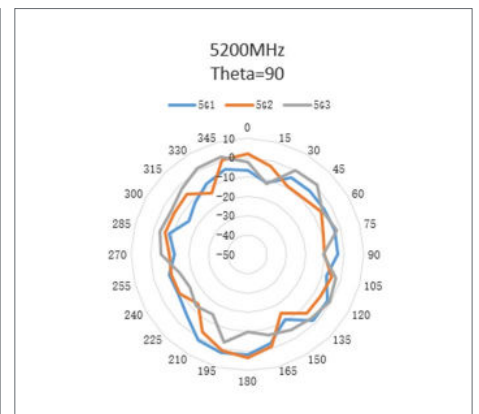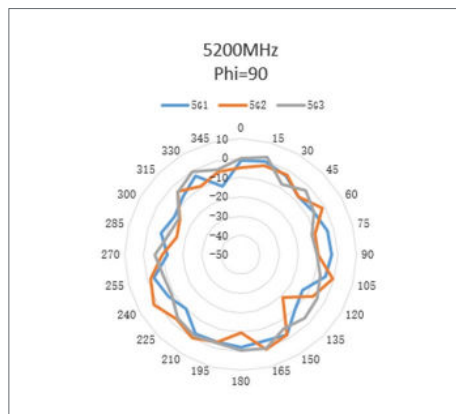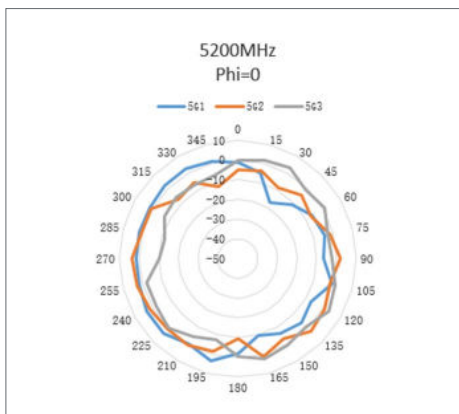
| Physical | |
|---|---|
| **Environmental** | |
| Operating Temperature | -30°C ~ 65°C |
| Storage Temperature | -40°C ~ 85°C |
| Operating Humidity | 0% ~ 100% Noncondensing |
| Storage Humidity | 0% ~ 100% Noncondensing |
| IP(Ingress Protection) | IP68 |
| Port Surge | 4kV |
| MTBF | > 400000H |

# Antenna Schematic

2.4GHz
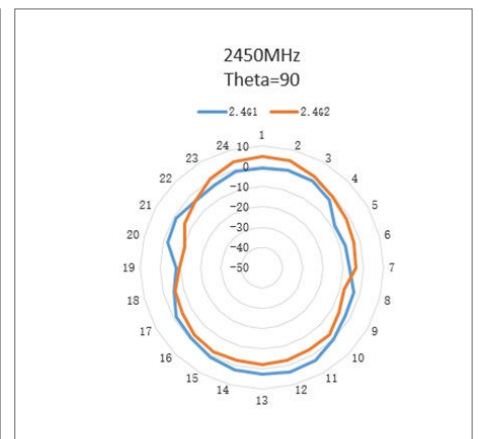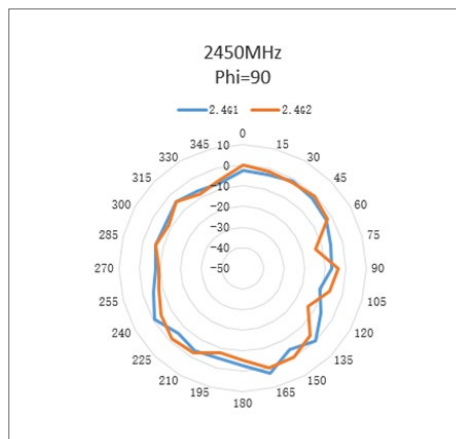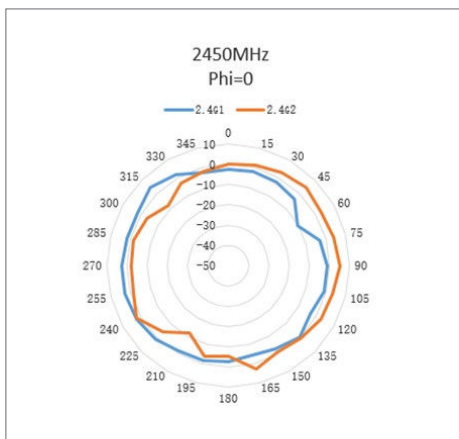


5GHz

# Package Contents

| Package Information | RG-RAP6262 |
| --- | --- |
| Access Point | 1 |
| Power Adapter | 0 |
| Quick Start Guide | 1 |
| Cat5E UTP Cable | 0 |
| Mounting Bracket | 1 |
| Rack-mount Brackets | 1 |
| Screw | 2 × M8×20<br>4 × M8×60 |
| Warranty Card | 1 |
| Package Weight | 4.62 kg |
| Package Dimension (w x d x h) | 475 mm x 305 mm x 270 mm |

**Ruijie | Reyee**

Redefine your easy network

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