# RG-RAP6260(H)
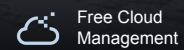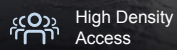# Wi-Fi 6 AX6000 High-density Outdoor Access Point

DATASHEET

## Highlights

- Ultra-fast 5.95Gbps outdoor AP, best-in-class Wi-Fi performance.

- Boost your Internet speed with 2.5GE uplink.

- Easily expand extra outdoor Wi-Fi with Reyee Mesh.

- Extra-distance access point deployment with SFP port.

- IP68 protection, rock-solid in harsh environments.

# Highlight Features

## Build Ultra-fast and High-density Outdoor Wi-Fi 6

| | | | | |
|---|---|---|---|---|
| WiFi 6 — Wi-Fi 6 AX6000 | High Density Access | 2.5GE Port SFP Port | Reyee Mesh | Free Cloud Management |

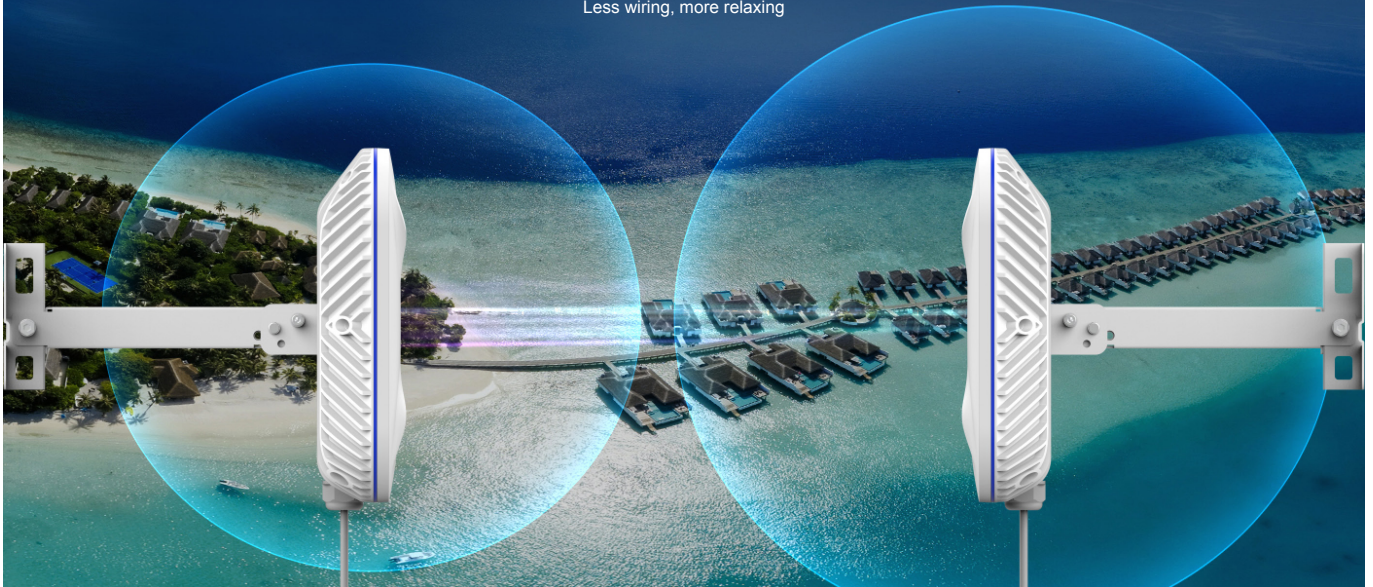## Best-in-class Wi-Fi Performance

With a revolutionary combination of OFDMA and 1024QAM, the latest 802.11ax standard, the 160MHz band, and dual band 4x4 MU-MIMO, RG-RAP6260(H) wireless aggregation rate reaches 5.95Gbps.

RG-RAP6260(H) ——————————————— 5952 Mbps

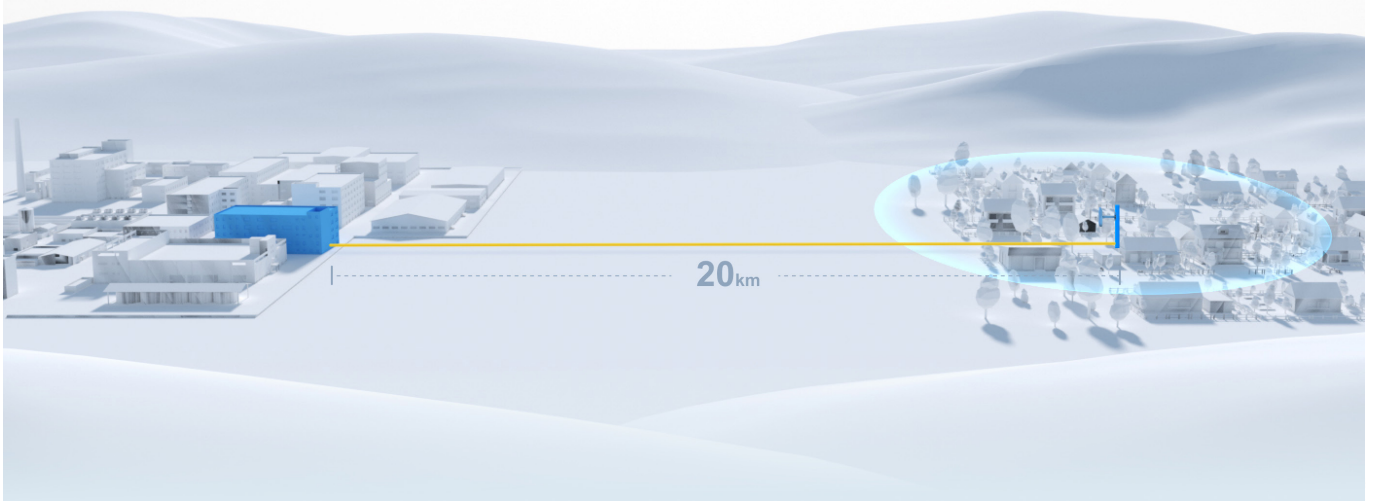RG-RAP6260(G) ———— 1775 Mbps

Wi-Fi 6 AX6000

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

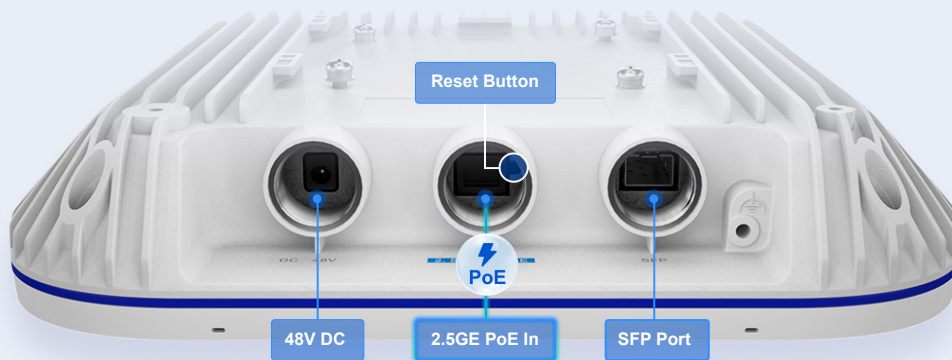Less wiring, more relaxing

## Support Extra-Distance Access Point Deployment

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

20km

**Partner NET**
SMART ICT DISTRIBUTION

## Boost Your Internet Speed with 2.5Gbps Uplink

Build network for future, protect your investments.

Reset Button

PoE

48V DC

2.5GE PoE In

SFP Port

## 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

WiFi6 AX Wind Erosion Protection

-40°C ~ 65°C Flame-Retardant
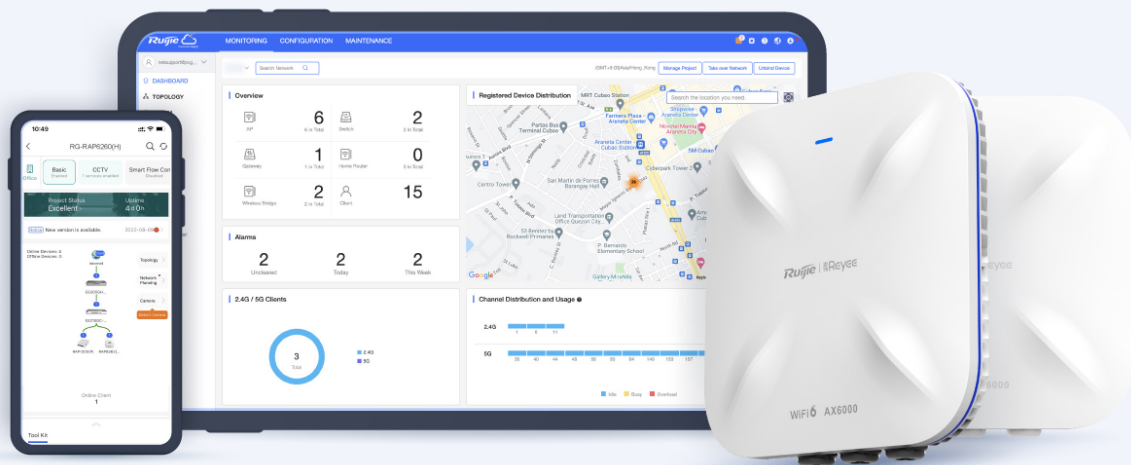
## Omni-directional Coverage with Long Range

Built-in 8 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.

## 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, 4x4, MU-MIMO<br>5GHz, 4x4, MU-MIMO |
| Max. Wi-Fi Speed | 2.4GHz: 1148Mbps<br>5GHz: 4804Mbps |
| Antenna | 8 |
| Antenna Type | Built-In Omnidirectional |
| Antenna Gain | 2.4GHz: 3dBi<br>5 GHz: 4dBi |
| Transmit Power | EIRP:<br>≤35dBm (2.4GHz)<br>≤36dBm (5GHz)<br>country-specific restrictions apply<br><br>Myamar:<br>2400 MHz~2483.5 MHz ≤ 20 dBm<br>5150 MHz~5350 MHz ≤ 23 dBm<br>5470 MHz~5850 MHz ≤ 25 dBm<br>Thailand:<br>2400 MHz~2483.5 MHz ≤ 20 dBm<br>5150 MHz~5350 MHz ≤ 23 dBm<br>5470 MHz~5725 MHz ≤ 25 dBm |
| Fixed Ports | 1 x 100/1000/2500 Base-T port<br>1 x 1GBase-X SFP port<br>1 x DC port<br>1 × Reset button |
| Max. Clients | 512 |
| Recommended Clients | 130 |
| 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. |

# Specifications

| Basic Feature | |
|---|---|
| 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 |
| 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 | ✓ |
| **Enhanced User Experience** | |
| Wi-Fi Optimization | ✓ |
| STA Limit | ✓ |
| Removing Low-RSSI STAs | ✓ |
| Adjusting Sending Rate of Beacon and Probe Response | ✓ |

# Specifications

| Software Feature | |
|---|---|
| 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 | 10.44.77.253<br>No Password Required by Default |
| Local Upgrade | ✓ |
| Online Upgrade | ✓ |
| Dual-bin Backup | ✓ |
| Factory Reset | ✓ |
| Language | Chinese<br>English |
| System Log | ✓ |

# Specifications

| System | |
|---|---|
| Diagnostics | ✓ |
| Network Check | ✓ |

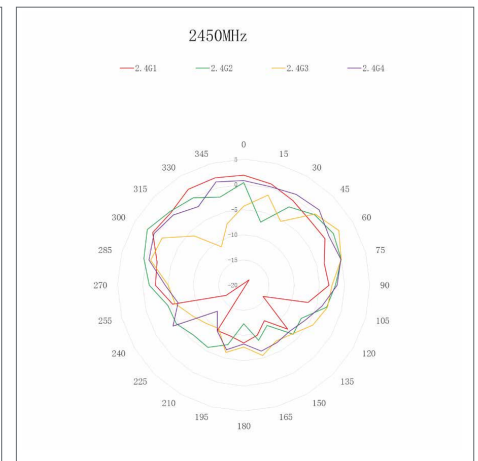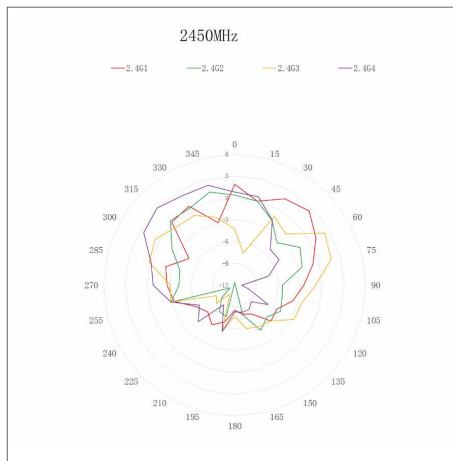| Physical | |
|---|---|
| LED Indicator | 1 × System LED indicator |
| Buttons | 1 × Reset button |
| Dimensions (W × D × H) | 300 mm x 300 mm x 75.5 mm (Without Mounting Bracket) |
| Weight | Main Unit: 3.5 kg<br>Mounting Bracket: 1.35kg |
| DC Port Dimensions | Outer Diameter: 5.5 mm<br>Inner Diameter: 2.1 mm<br>Length: 10 mm |
| Installation | Wall-Mountable/Pole-Mountable |
| Mounting Bracket Dimensions (W × D × H) | 124 mm x 120 mm x 35 mm |
| Mounting Hole Pattern | 65 mm x 105 mm |
| Mounting Hole Diameter | 9 mm |
| Pole Diameter | 70 mm to 140 mm |
| Power Supplies | IEEE 802.3bt PoE<br>DC 48V/1A |
| Power Consumption | ≤ 40W |
| PoE Power Budget | NA |
| **Environmental** | |
| Operating Temperature | -40°C ~ 65°C |
| Storage Temperature | -40°C ~ 85°C |
| Operating Humidity | 0% to 100% Noncondensing |
| Storage Humidity | 0% to 100% Noncondensing |
| IP(Ingress Protection) | IP68 |

# Specifications

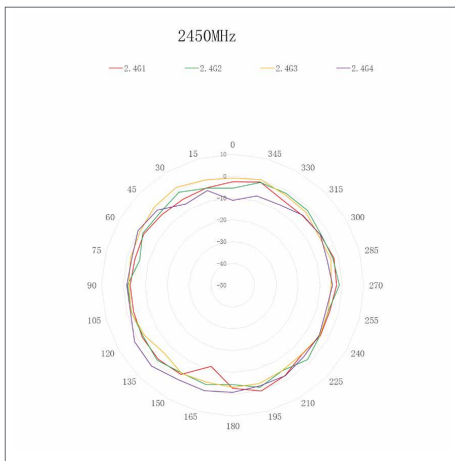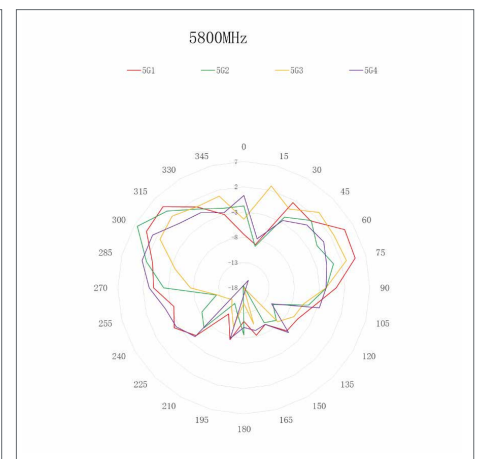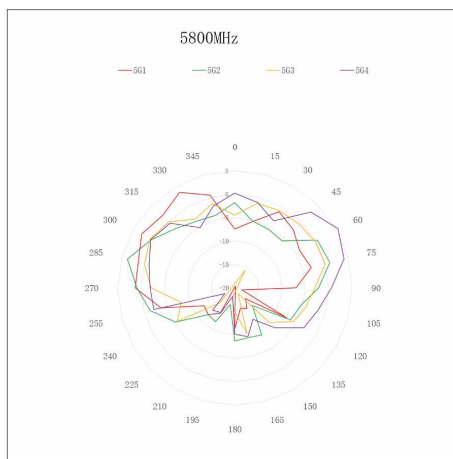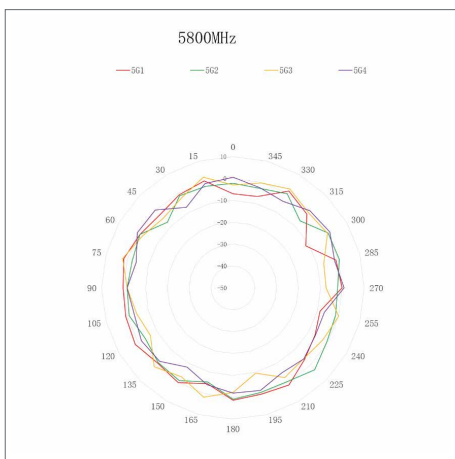| Physical | |
|---|---|
| Port Surge | 4kV |
| MTBF | >400000H |

# Antenna Schematic

## 2.4GHz



## 5GHz

# Package Contents

| Package Information | RG-RAP6260(H) |
| --- | --- |
| Access Point | 1 |
| Hose Clamp | 2 |
| Mounting Plate | 1 |
| M8 x 20 Screws | 4 |
| M8 x 60 Expansion Anchors | 4 |
| Cable Gland for SFP Port | 1 |
| Cable Gland for Ethernet Port (Pre-installed on the access point) | 1 |
| SFP Port Plug (Pre-installed on the access point) | 1 |
| Mounting Arm | 1 |
| DC Connector Plug (Pre-installed on the access point) | 1 |
| Cable Gland for DC Connector | 1 |
| Grounding Cable | 1 |
| User Manual | 1 |
| Package Weight | 5.47 kg |
| Package Dimension (w x d x h) | 395 mm x 395 mm x 197 mm |

# Ruijie | Reyee

## Redefine your easy network

## Partner NET

SMART ICT DISTRIBUTION

**FOLLOW US**

**sales@partnernet-ict.com | +30 210 710 0000 | www.partnernet-ict.com**