

# 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



High Density  
Access



2.5GE Port  
SFP Port



Reyee  
Mesh



Free Cloud  
Management

### Best-in-class Wi-Fi Performance

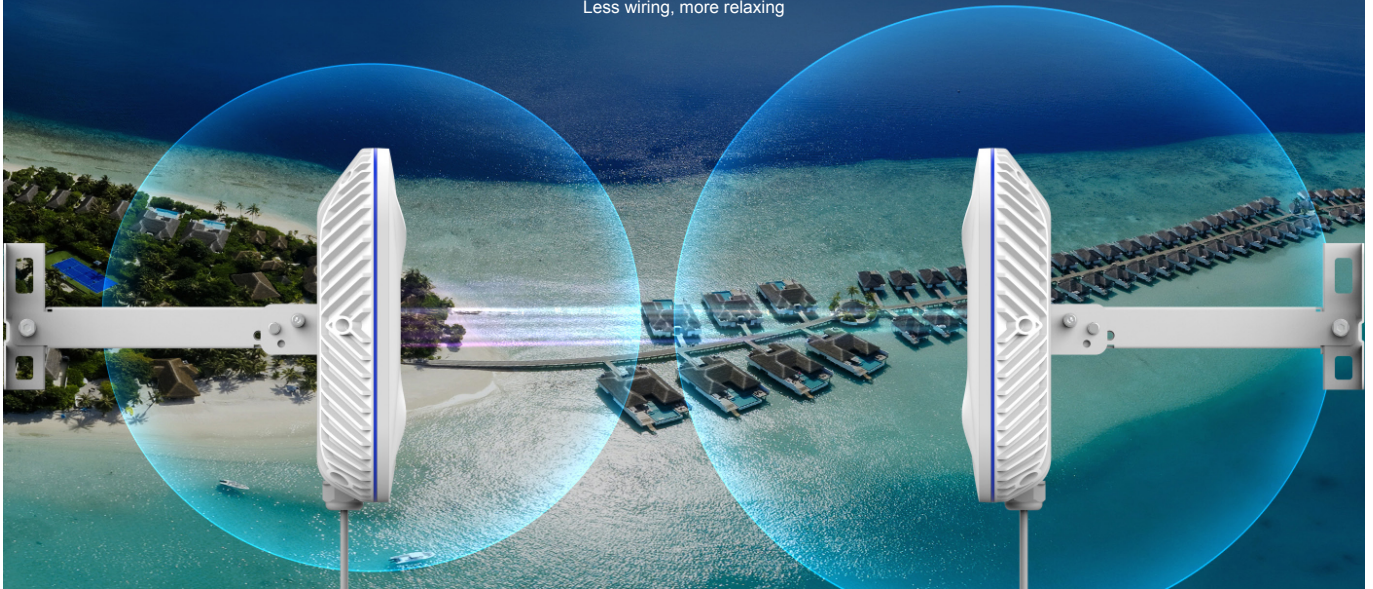
With a revolutionary combination of **OFDMA** and **1024QAM**, the latest **802.11ax** standard, the **160MHz** band, and dual band **4x4 MU-MIMO**, RG-RAP6260(H) wireless aggregation rate reaches 5.95Gbps.



## Highlight Features

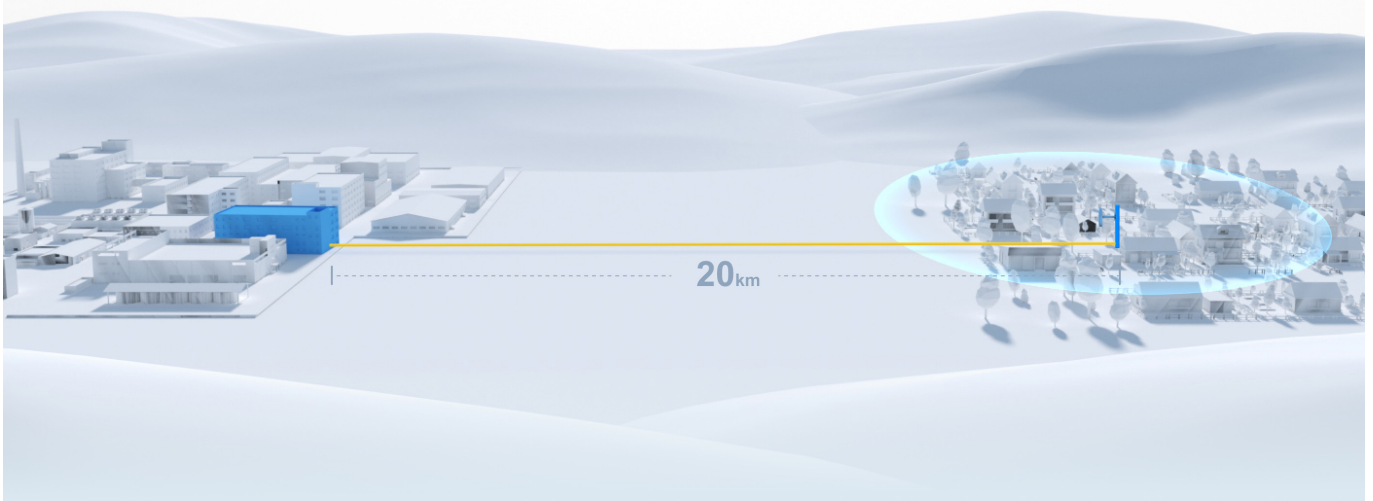
### Easily Add Extra Outdoor Wi-Fi with Reyee Mesh

Less wiring, more relaxing



### Support Extra-Distance Access Point Deployment

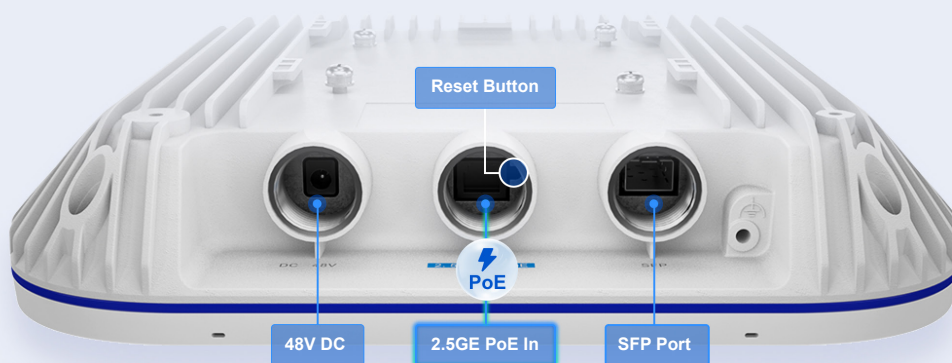
With **gigabit SFP** port, the device supports up to **20km** transmission from datacenter with single mode fiber



## Highlight Features

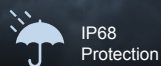
### Boost Your Internet Speed with 2.5Gbps Uplink

Build network for future, protect your investments.



### 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

## Highlight Features

### Omni-directional Coverage with Long Range

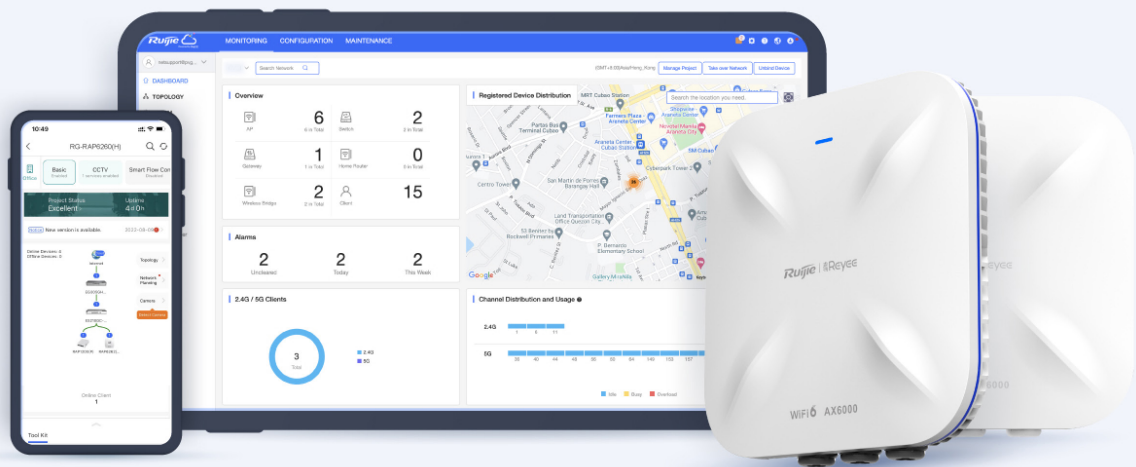
Built-in 8 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz\*.



\*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><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  
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  
country-specific restrictions apply

### Software Feature

#### WLAN Basic Features

Power Adjustment

✓

Frequency Bandwidth

2.4 GHz: Auto/20/40 MHz  
5 GHz: Auto/20/40/80/160 MHz

Roaming

Layer 2 roaming  
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  
Mounting Bracket: 1.35kg

DC Port Dimensions

Outer Diameter: 5.5 mm  
Inner Diameter: 2.1 mm  
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  
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

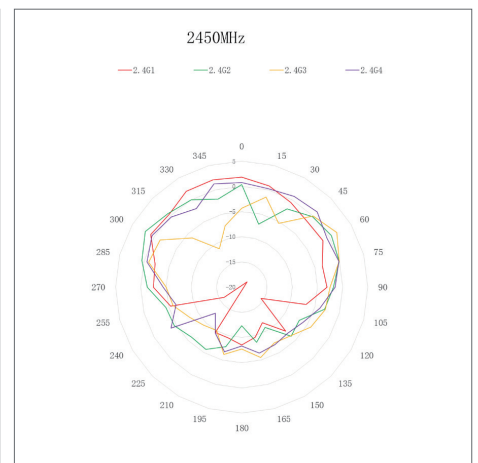
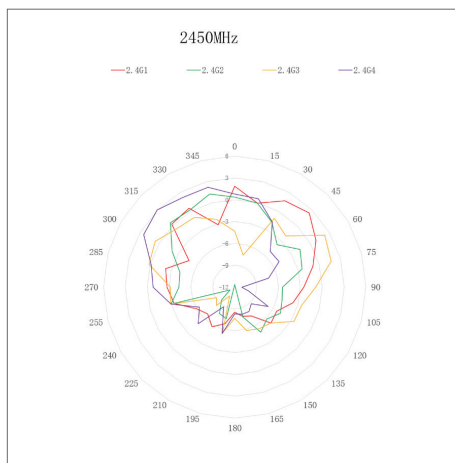
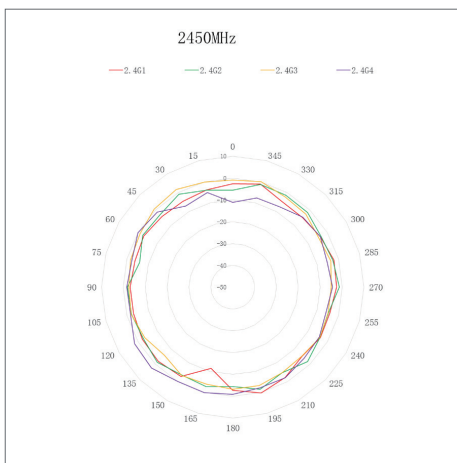
4kV

MTBF

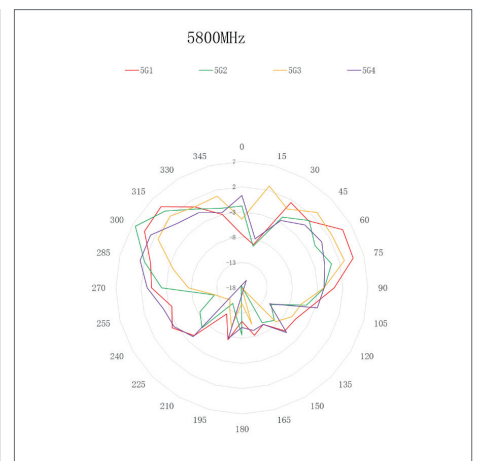
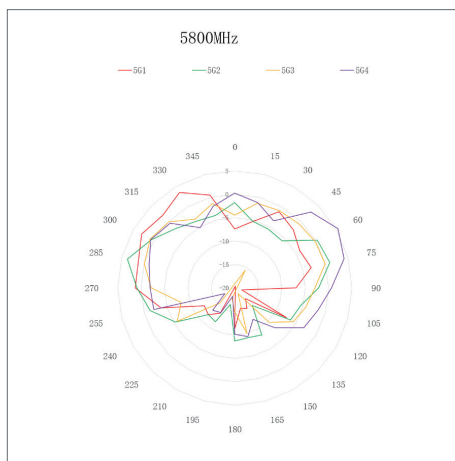
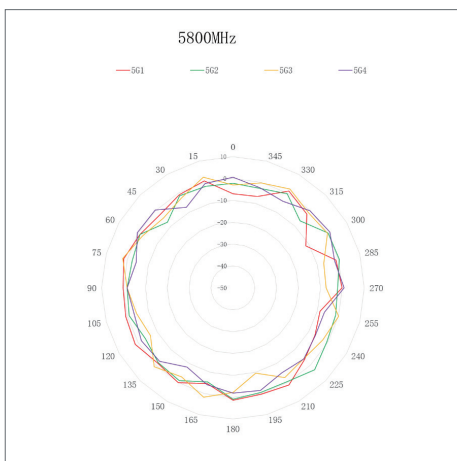
>400000H

# 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<br>(Pre-installed on the access point) | 1                        |
| SFP Port Plug<br>(Pre-installed on the access point)                 | 1                        |
| Mounting Arm                                                         | 1                        |
| DC Connector Plug<br>(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 |



 **R**edefine your easy network

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