

# RG-RAP2260(H)

## Wi-Fi 6 AX6000 High-density Multi-G Ceiling Access Point

DATASHEET



### Highlights

- Build ultra-high performance Wi-Fi with 5.95Gbps throughput.
- Client connections over 500, higher practical performance as well.
- Boost Internet speed with 5Gbps uplink for the future.
- Easily install extra AP with Reyee Mesh technology.
- Support standalone captive portal, easy to enable Wi-Fi authentication.

# Highlight Features

## Build Ultra-fast Wi-Fi Network for the Future

Interface Installation



WIFI 6 AX6000 Wi-Fi 6

4x4 MIMO 4 x 4 MU-MIMO

Dual 2.5GE Wired Uplink

Reye Mesh Technology

Free Cloud Management

## Build Ultra-fast Wi-Fi Network for the Future

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## Better Multi-User Experience in High-Density Scenarios

Performance upgraded, support client connections over 500.



Users 500

4x4 MIMO

2.4G 5G

## Highlight Features

### Boost Your Internet Speed with 5Gbps Uplink

Can be integrated dual 2.5GE uplink, build network for future.



### Easily Install Extra AP with Reyee Mesh

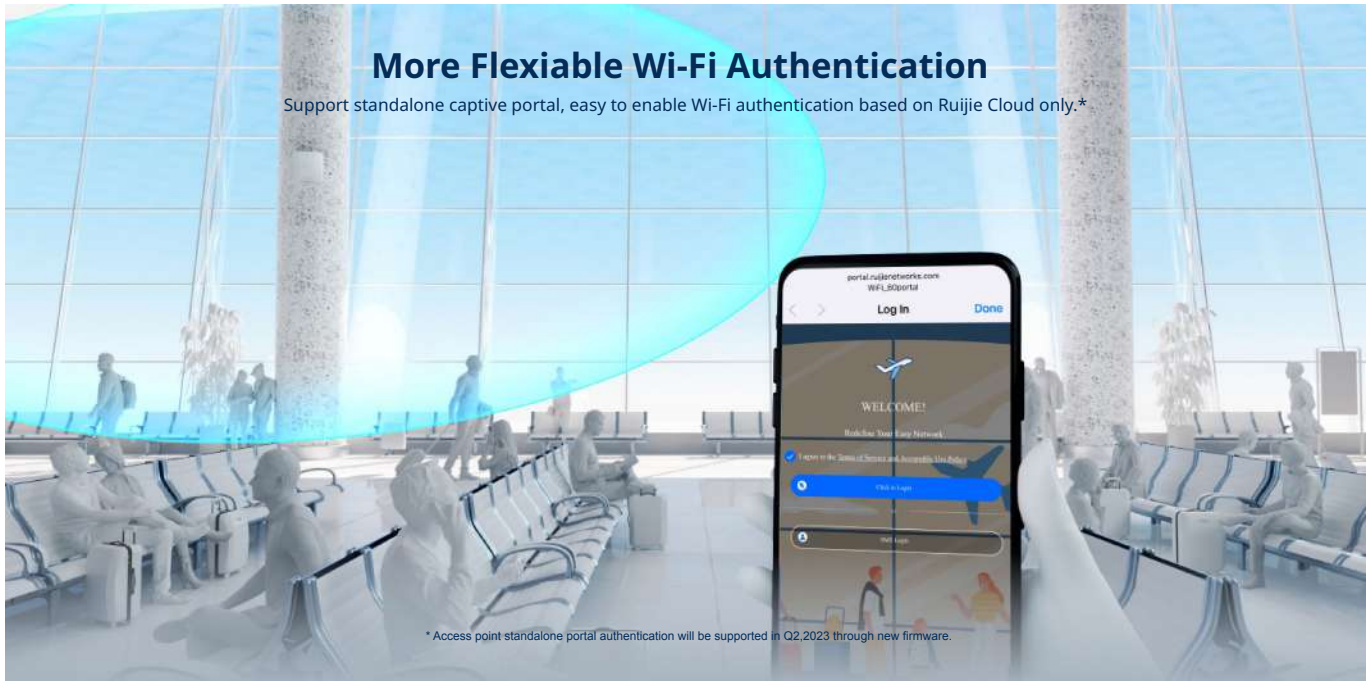
Less wiring, more relaxing.



## Highlight Features

### More Flexiable Wi-Fi Authentication

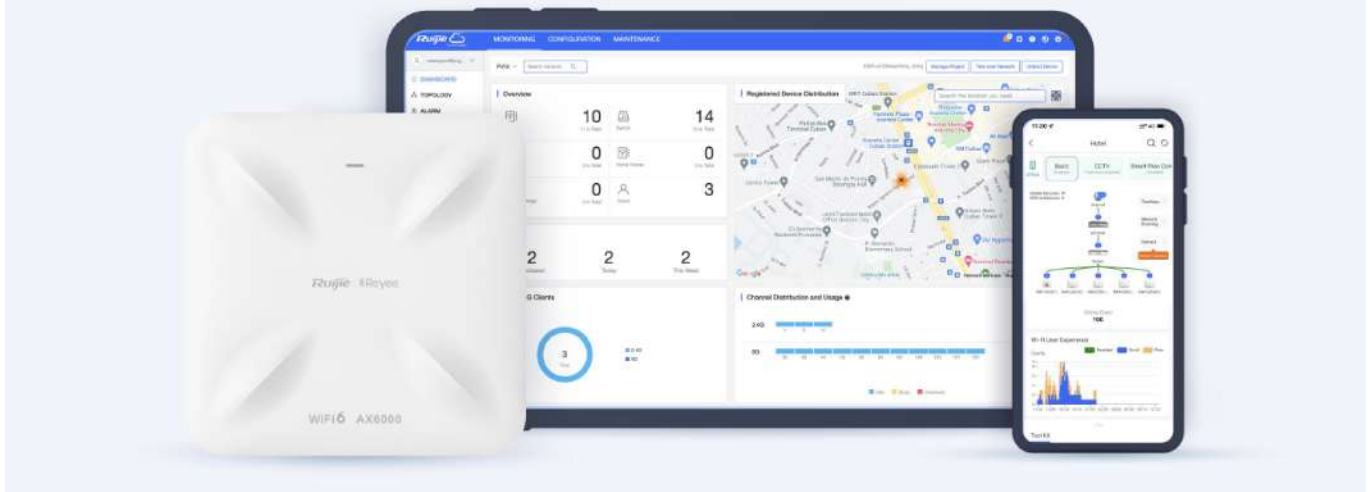
Support standalone captive portal, easy to enable Wi-Fi authentication based on Ruijie Cloud only.\*



\* Access point standalone portal authentication will be supported in Q2.2023 through new firmware.

### Cloud, Make Your Business Easy

- Self-organizing network
- Centralized network management
- Scenario based configuration
- Cloud portal authentication
- Remote monitoring and maintenance



# Specifications

## Basic Feature

Wi-Fi Standards	Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 5 (IEEE 802.11ac Wave 2) Wi-Fi 4 (IEEE 802.11n) IEEE 802.11a IEEE 802.11b/g
MIMO	2.4GHz, 4x4, MU-MIMO 5GHz, 4x4, MU-MIMO
Max. Wi-Fi Speed	2.4GHz: 1148Mbps 5GHz: 4804Mbps
Antenna	8
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4GHz: 3dBi 5 GHz: 4dBi
Transmit Power	Frequency bands using and the max EIRP: Note: Country specific restrictions apply <b>European Union &amp; United Kingdom</b> 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm <b>United States:</b> 2400-2483.5 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm 5150-5250 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm 5250-5350 MHz, max output power < 24dBm & EIRP ≤ 30 dBm 5470-5725 MHz, max output power < 24dBm & EIRP ≤ 30 dBm 5725-5825 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm <b>Myanmar :</b> 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm <b>Thailand:</b> 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5470-5725 MHz, EIRP ≤ 30 dBm 5725-5825 MHz, EIRP ≤ 30 dBm <b>Indonesia:</b> 2400-2483.5 MHz, EIRP ≤ 27 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 23 dBm <b>Egypt:</b> 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm

# Specifications

## Basic Feature

Fixed Ports	2 x 100/1000/2500 Base-T ports 1 x Reset button 1 x DC port
Max. Clients	512
Recommended Clients	130
Max. SSIDs	8
Recommended Wi-Fi Coverage Radius	2.4GHz: 40 meters 5GHz: 70 meters The Wi-Fi coverage is related to the installation environment of the access point.
Max. Wi-Fi Coverage Radius	150 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)	✓
<b>WLAN Security</b>	
Max Wi-Fi Password Length	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 DHCP Client Static IP
VLAN	✓
DHCP Server	✓
System	
Cloud Management	✓
APP Management	✓
APP Upgrade	✓
APP Restart	✓
Scheduled Restart	✓

Default Access/Password

10.44.77.254

The factory status password: admin

## Specifications

### System

Local Upgrade	✓
Online Upgrade	✓
Dual-bin Backup	✓
Factory Reset	✓
Language	Chinese English
System Log	✓
Diagnostics	✓
Network Check	✓

### Physical

LED Indicator	1 × System LED indicator
Buttons	1 × Reset button
Dimensions (W × D × H)	230 mm x 230 mm x 49.5 mm (Without Mounting Bracket)
Weight	≤ 1.80 kg (Without Mounting Bracket)
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
Installation	Ceiling-Mountable
Mounting Bracket Dimensions (W × D × H)	120 mm x 120 mm x 8.7 mm
Mounting Hole Pattern	53 mm x 53 mm
Mounting Hole Diameter	6.5 mm
Pole Diameter	NA
Power Supplies	IEEE 802.3bt PoE DC 48V/1A
Power Consumption	≤ 40W
PoE Power Budget	NA



# Specifications

## Physical

### Environmental

Operating Temperature

0°C to 40°C

Storage Temperature

-40°C to 70°C

Operating Humidity

5% to 95% Noncondensing

Storage Humidity

5% to 95% Noncondensing

IP(Ingress Protection)

NA

Port Surge

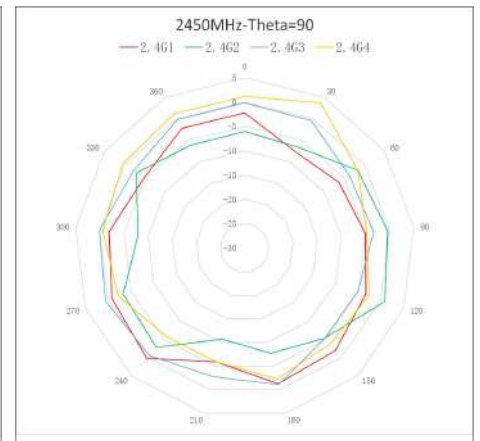
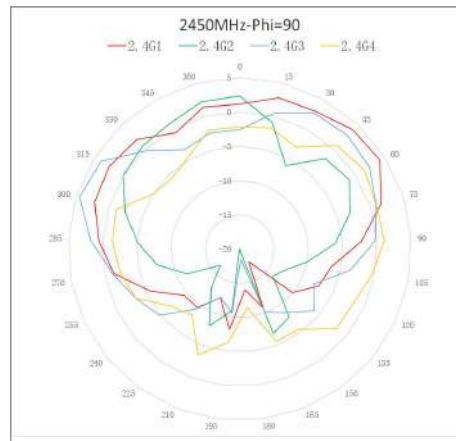
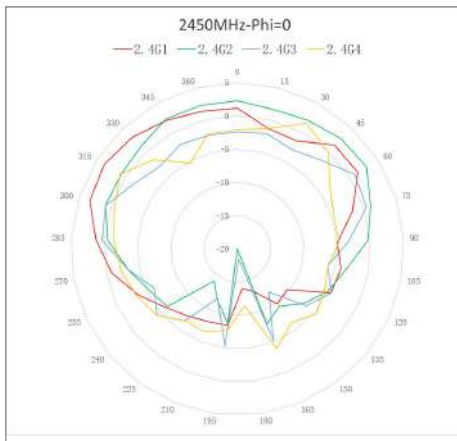
4kV

MTBF

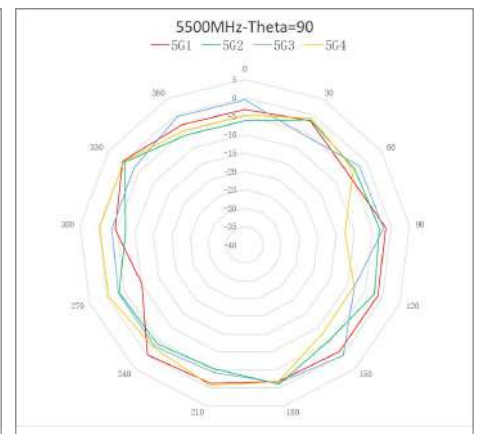
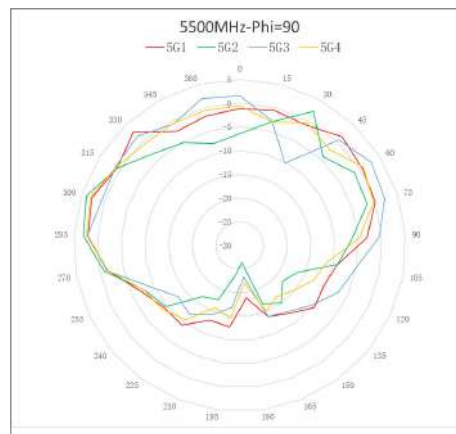
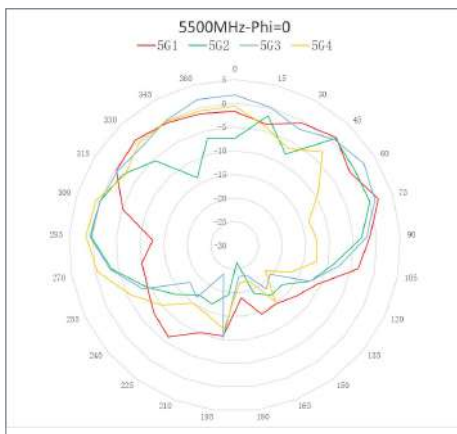
>400000H

# Antenna Schematic

2.4GHz



5GHz



## Package Contents

Package Information	RG-RAP2260(H)
Access Point	1
User Manual	1
Certificate of Quality	1
Screws and Wall Anchors	4
Mounting Bracket	1
Key to Security Lock	1
Package Weight	1.79 kg
Package Dimension (w x d x h)	292mm x 277 mm x 81 mm



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