

# RG-RAP2260

## Wi-Fi 6 AX3000 High Performance Multi-G Ceiling Access Point

DATASHEET



### Highlights

- Build ultra-high performance Wi-Fi with 2.97Gbps throughput.
- Client connections over 500, higher practical performance as well.
- Boost Internet speed with 2.5Gbps 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 Faster Wi-Fi Network for The Future

Interface Installation



WIFI 6 AX3000

-  AX3000 Wi-Fi 6
-  2.5Gbps Wired Uplink
-  Reyee Mesh Technology
-  Standalone Authentication
-  Free Cloud Management

### Build Faster 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**

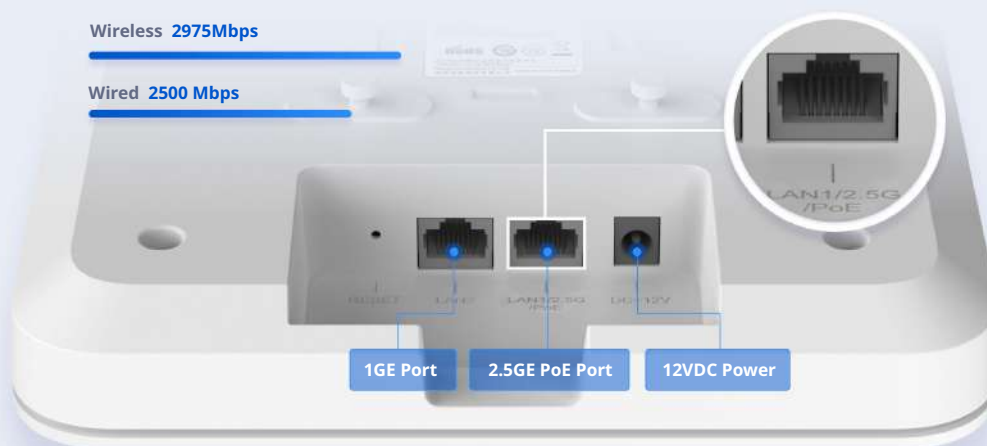
MU-MIMO

2.4G 5G

## Highlight Features

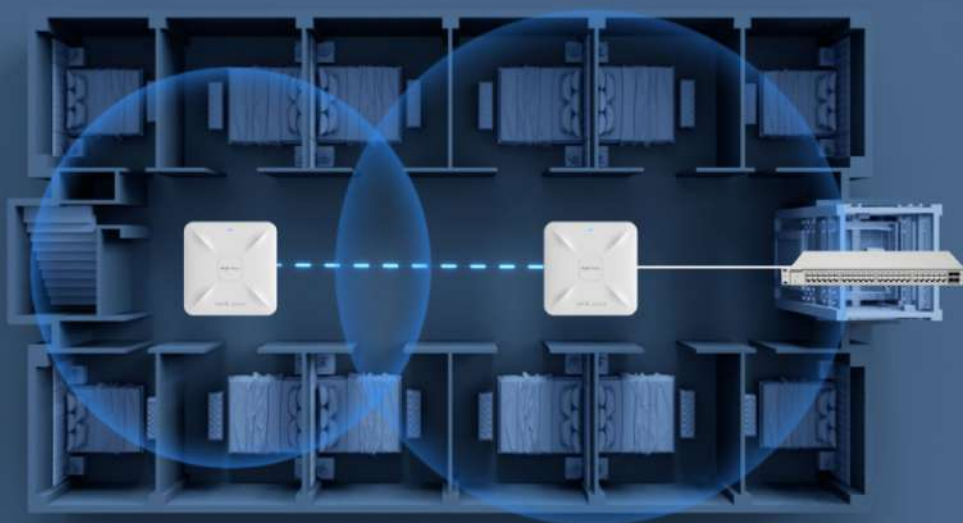
### Boost Your Internet Speed with 2.5Gbps Uplink

Build network for future, protect your investments.



### Easily Install Extra AP with Reyee Mesh

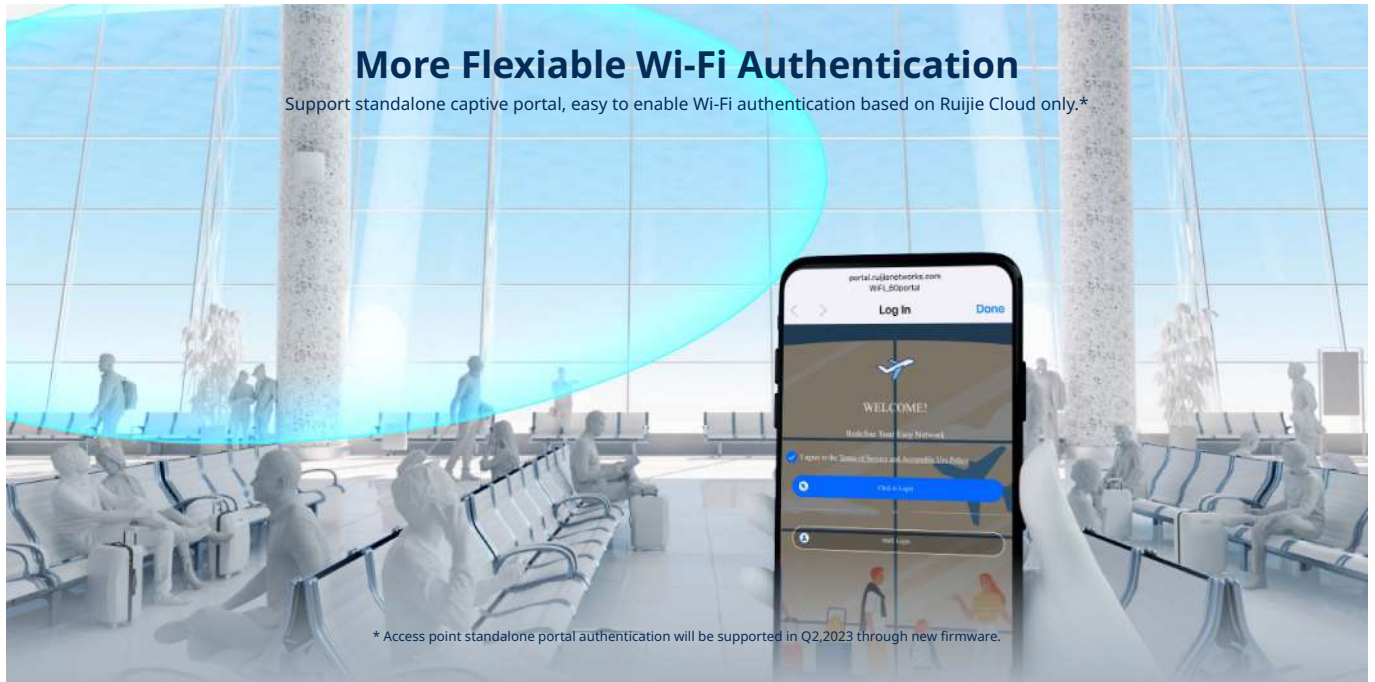
Less wiring, more relaxing.



## Highlight Features

### More Flexiable Wi-Fi Authentication

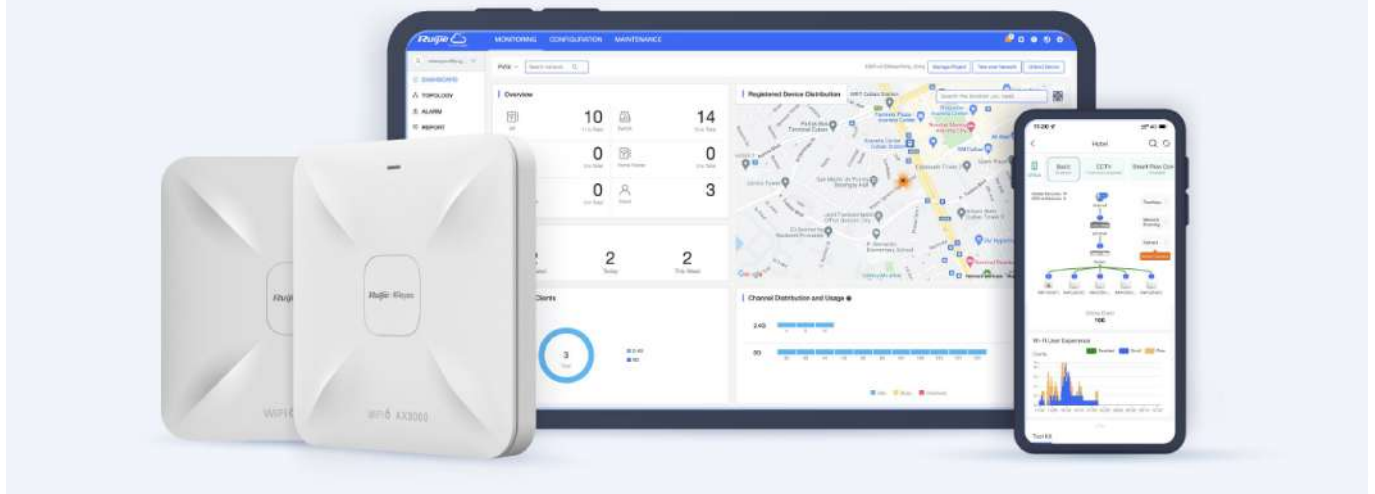
Support standalone captive portal, easy to enable Wi-Fi authentication based on Ruijie Cloud only.\*



\* 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, 2×2, MU-MIMO 5GHz, 2×2, MU-MIMO
Max. Wi-Fi Speed	2.4GHz: 574Mbps 5GHz: 2402Mbps
Antenna	5
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4 GHz: 3 dBi 5 GHz: 3 dBi
Transmit Power	<p>Frequency bands using and the max EIRP: Note: Country specific restrictions apply</p> <p><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</p> <p><b>United States:</b> 2400-2483.5 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm 5150-5250 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm 5250-5350 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm 5470-5725 MHz, max output power &lt; 24 dBm &amp; EIRP ≤ 30 dBm 5725-5825 MHz, max output power ≤ 30 dBm &amp; EIRP ≤ 36 dBm</p> <p><b>Myanmar :</b> 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm</p> <p><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</p> <p><b>Indonesia:</b> 2400-2483.5 MHz, EIRP ≤ 27 dBm 5150-5350 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 23 dBm</p> <p><b>Egypt:</b> 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dBm</p>



## / Specifications

### Basic Feature

Fixed Ports	1 x 100/1000/2500 Base-T port
	1 x 10/100/1000 Base-T port
	1 x DC port
	1 x Reset button
Max. Clients	512
Recommended Clients	110
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
	Egypt: 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5.150 GHz ~ 5.350 GHz

### 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 802.11k/v/r
OFDMA	✓
Beamforming	✓
WMM	✓
WDS	✓
Radar Signal Detection and Frequency Hopping (DFS)	✓

## Specifications

### Software Feature

#### WLAN Security

Max Wi-Fi Password Length	16 Digits
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Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, WPA-Enterprise, WPA2-Enterprise, WPA/WPA2-Enterprise, OWE, WPA3-SAE, WPA2-PSK/WPA3-S
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Blocklists and Allowlists	✓
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802.1x	✓
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#### Enhanced User Experience

Wi-Fi Optimization	✓
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STA Limit	✓
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Removing Low-RSSI STAs	✓
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Adjusting Sending Rate of Beacon and Probe Response	✓
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Syslog Recording Why Users Lose Connection	✓
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Auto Channel and Power Adjustment on Cloud	✓
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RSSI Threshold for STA Access	✓
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Load Balancing	✓
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#### Networks

Network Access Mode	PPPoE Client DHCP Client Static IP
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VLAN	✓
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DHCP Server	✓
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### System

Cloud Management	✓
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## Specifications

### System

APP Management	✓
APP Upgrade	✓
APP Restart	✓
Scheduled Restart	✓
Default Access/Password	10.44.77.254 The factory status password: admin
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)	194 mm x 194 mm x 45.1 mm (Without Mounting Bracket)
Weight	≤ 0.65 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)	88 mm x 82 mm x 7.8 mm
Mounting Hole Pattern	53 mm
Mounting Hole Diameter	6.5 mm
Pole Diameter	NA



## Specifications

### Physical

Power Supplies

IEEE 802.3at PoE  
DC 12V/2A

Power Consumption

$\leq 18W$

PoE Power Budget

NA

### 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

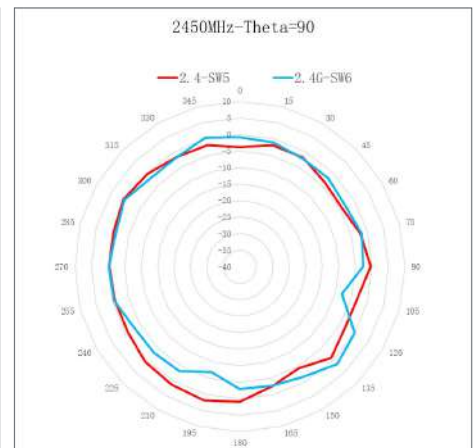
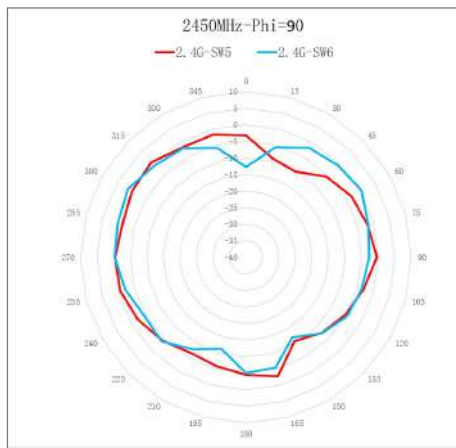
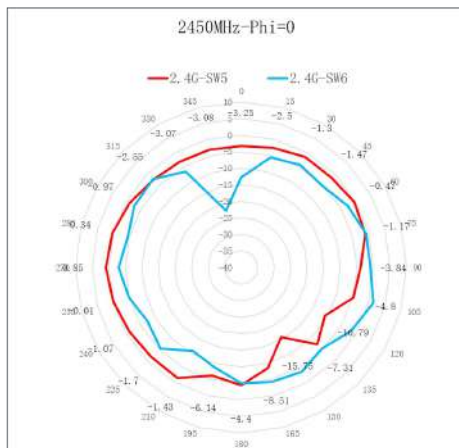
4kV

MTBF

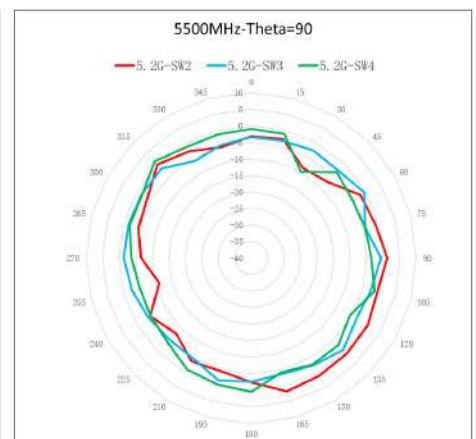
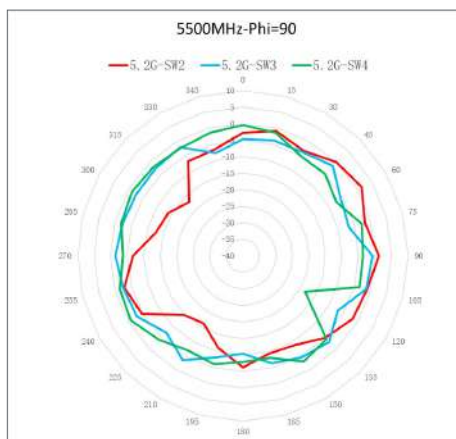
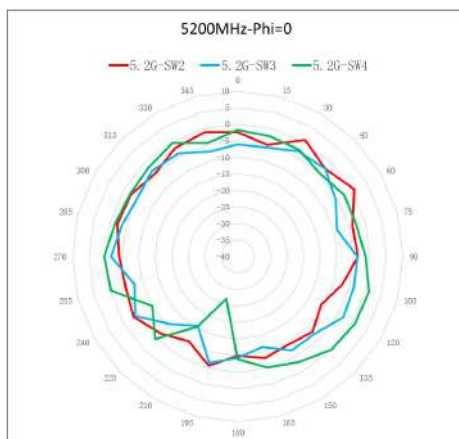
>400000H

## Antenna Schematic

2.4GHz



5GHz



## Package Contents

Package Information	RG-RAP2260
Access Point	1
User Manual	1
Phillips Pan Head Screw	2
Wall Anchor	2
Mounting Bracket	1
Warranty Card	1
Alignment Sticker	1
Package Weight	0.85 kg
Package Dimension (W x D x H)	222 mm x 220 mm x 68 mm

**Ruijie | Rcycc**

 **Redefine your easy network**

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