

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

Build Faster Wi-Fi Network for The Future

Interface Installation



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

Better Multi-User Experience in High-Density Scenarios

Performance upgraded, support client connections over 500.



Users 500 MU-MIMO 2.4G 5G

Highlight Features

More Flexiabe 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

The image shows two Ruijie WiFi AX3000 access points in the foreground. Behind them is a large tablet displaying the Ruijie Cloud management dashboard. The dashboard includes sections for 'Overview' with statistics (10, 14, 0, 0, 2, 2), 'Registered Device Distribution' with a map, and 'Channel Distribution and Usage' with a bar chart. To the right is a smartphone displaying a mobile version of the dashboard with a network topology diagram and a bar chart titled 'Wi-Fi User Experience'.

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, 2x2, MU-MIMO 5GHz, 2x2, 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	EIRP: ≤31dBm (2.4GHz) ≤32.7dBm (5GHz) country-specific restrictions apply Myamar: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5850 MHz ≤ 25 dBm Thailand: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5725 MHz ≤ 25 dBm 5725 MHz~5850 MHz ≤ 30 dBm Egypt: 2400 MHz~2483.5 MHz ≤ 20 dBm (EIRP) 5150 MHz~5350 MHz ≤ 20 dBm (EIRP)
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

Specifications

Basic Feature

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
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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	✓
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Frequency Bandwidth	2.4 GHz: Auto/20/40 MHz 5 GHz: Auto/20/40/80/160 MHz
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Roaming	Layer 2 roaming Layer 3 roaming
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OFDMA	✓
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Beamforming	✓
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WMM	✓
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Radar Signal Detection and Frequency Hopping (DFS)	✓
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WLAN Security

Max Wi-Fi Password Length	16 Digits
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Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK
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Blacklist and Whitelist	✓
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Enhanced User Experience

Wi-Fi Optimization	✓
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Specifications

Software Feature

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 10.44.77.253
No Password Required by Default

Local Upgrade ✓

Online Upgrade ✓

Specifications

System

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
Power Supplies	IEEE 802.3at PoE DC 12V/2A
Power Consumption	≤ 18W
PoE Power Budget	NA

Specifications

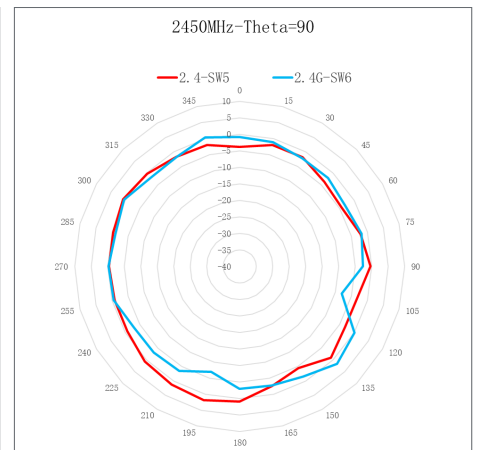
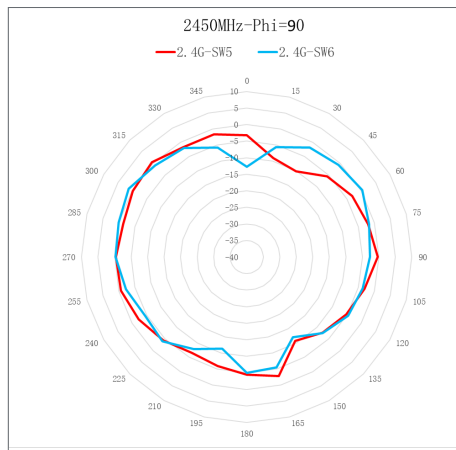
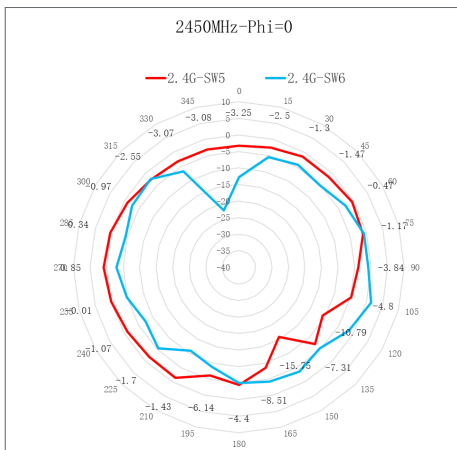
Physical

Environmental

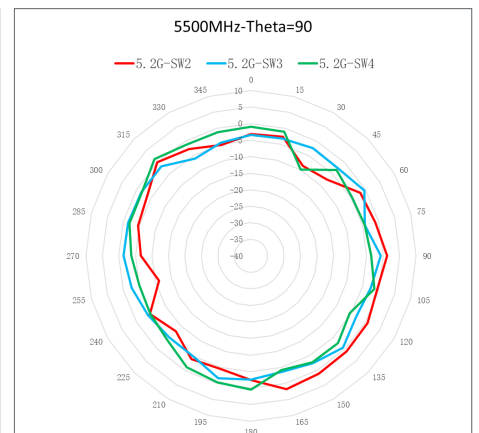
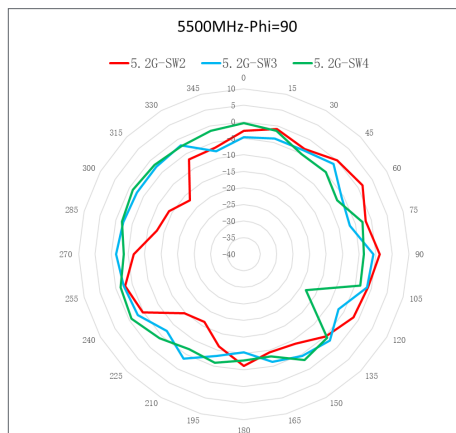
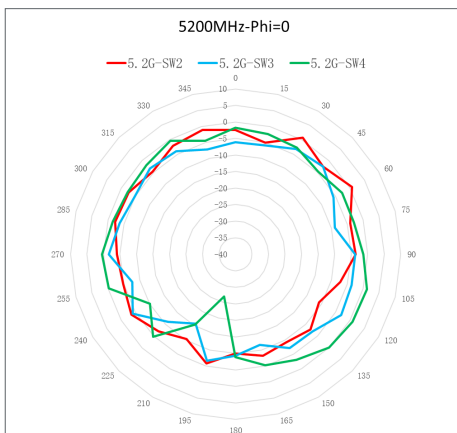
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 70°C
Operating Humidity	5% to 95% Noncondensing
Storage Humidity	5% to 95% Noncondensing
IP(Ingress Protection)	NA
Port Surge	4kV
MTBF	>400000H

Antenna Schematic

2.4GHz



5GHz



Package Contents

Package Information	RG-RAP2260
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

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Ruijie Networks Co., Ltd
Floor 11, East Wing, Zhongyipengao Plaza,
No.29 Fuxing Road, Haidian District, Beijing China
Website: <https://www.ruijienetworks.com>