

# RG-RAP6260(H)

## Reyee AX6000 High-density Outdoor Omni-directional Access Point

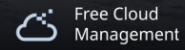
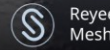
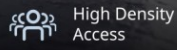


### Highlights

- Ultra-fast 5.95 Gbit/s outdoor Wi-Fi 6, best-in-class Wi-Fi performance.
- Easily adding extra outdoor Wi-Fi with Reyee mesh.
- Long-distance deployment with optical ports.
- IP68 rating, adapting to harsh environments.
- Internet access with 2.5 Gbit/s uplink.
- Lightning Protection/Surge  $\pm 4\text{kV}$  (Including DC port)

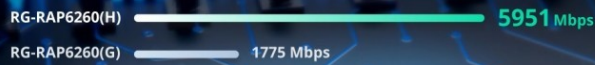
## Highlight Features

### Build Ultra-fast Outdoor Wi-Fi 6



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

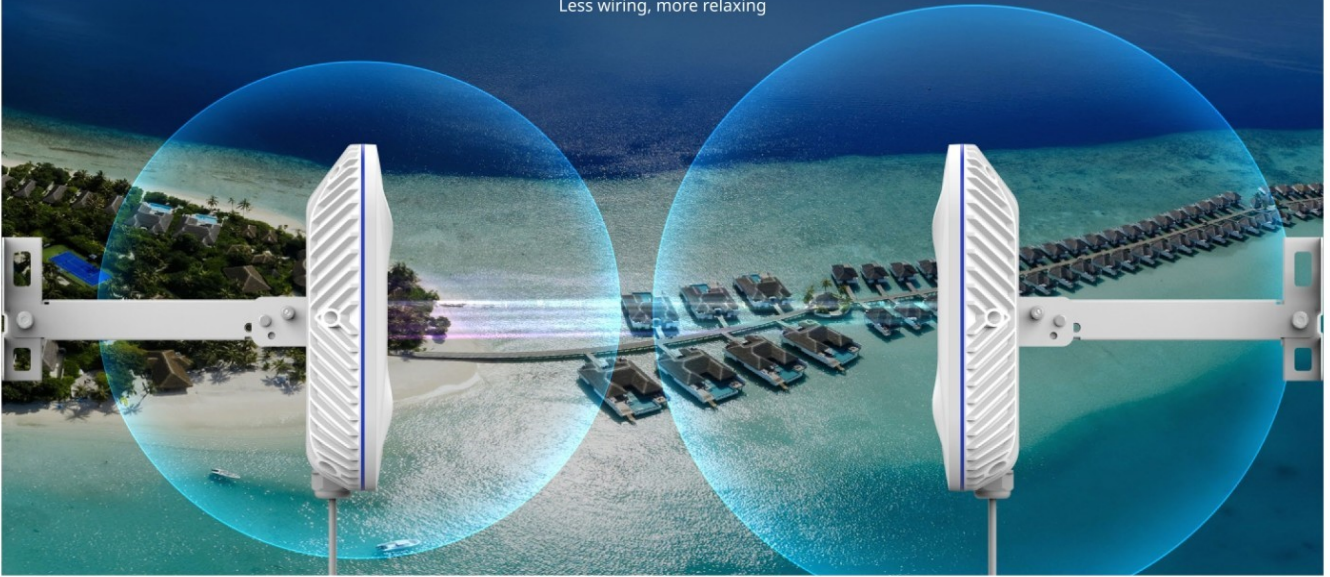
With a revolutionary combination of OFDMA and 1024QAM, the latest 802.11ax standard, the 160MHz band, and dual band 4x4 MU-MIMO, RG-RAP6260(H) wireless aggregation rate reaches 5.95Gbps.



## Highlight Features

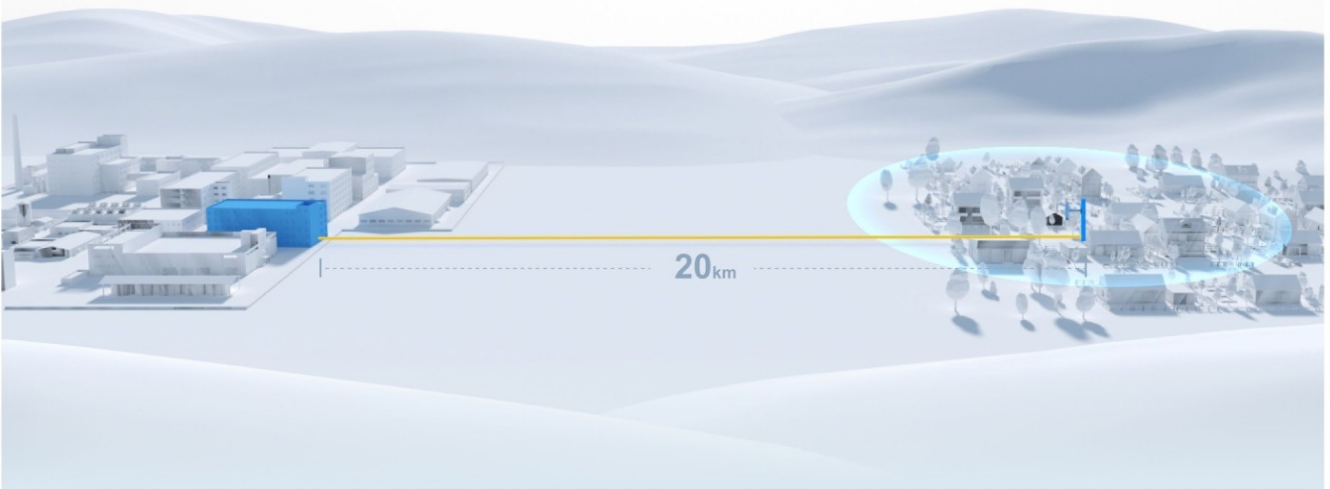
### Easily Add Extra Outdoor Wi-Fi with Reyee Mesh

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.



# Highlight Features

## Omni-directional Coverage with Long Range

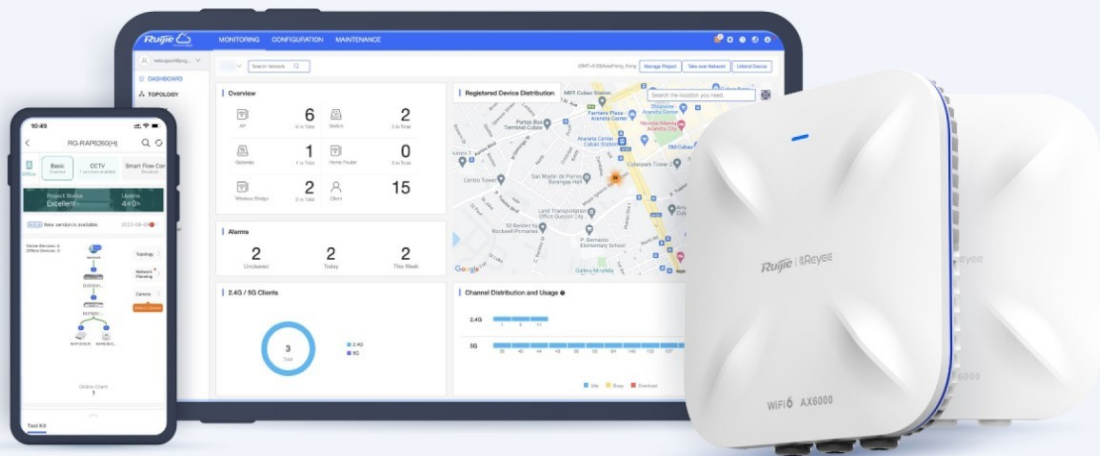
Built-in 8 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz\*.



\*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



## / Product Information

Model	RG-RAP6260(H)
Product Type	Outdoor AP

## / Hardware Specifications

Model	RG-RAP6260(H)
<b>Wi-Fi Radio</b>	
6 GHz Wi-Fi	No
5 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11a/n) Wi-Fi 5 (IEEE 802.11ac) Wi-Fi 6 (IEEE 802.11ax)
2.4 GHz Wi-Fi	Wi-Fi 4 (IEEE 802.11b/g/n) Wi-Fi 6 (IEEE 802.11ax)
Operating band	IEEE 802.11b/g/n/ax, 2.400 GHz to 2.4835 GHz IEEE 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  Note: Available bands vary with countries and regions. To use the preceding frequency bands, ensure that your country or region supports these frequency bands.
Radio design	Dual-radio 8 spatial streams • 2.4 GHz: 4 x 4, MU-MIMO • 5 GHz: 4 x 4, MU-MIMO
FEM	2.4 GHz: 4 x eFEM 5 GHz: 4 x eFEM
6 GHz channel width	No
5 GHz channel width	Auto/20/40/80/160 MHz
2.4 GHz channel width	Auto/20/40 MHz
Maximum wireless data rate	5950 Mbps
6 GHz wireless data rate	No
5 GHz wireless data rate	4803 Mbps
2.4 GHz wireless data rate	1147 Mbps

# Hardware Specifications

Model	RG-RAP6260(H)
<b>Maximum transmit power</b>	Frequency bands and maximum Effective Isotropic Radiated Power (EIRP): Note: Country specific restrictions apply. European Union & United Kingdom: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5470–5725 MHz, EIRP ≤ 30 dBm Myanmar: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5725–5825 MHz, EIRP ≤ 30 dBm Thailand: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5470–5725 MHz, EIRP ≤ 30 dBm 5725–5825 MHz, EIRP ≤ 30 dBm Indonesia: 2400–2483.5 MHz, EIRP ≤ 36 dBm 5725–5825 MHz, EIRP ≤ 36 dBm Egypt: 2400–2483.5 MHz, EIRP ≤ 20 dBm 5150–5350 MHz, EIRP ≤ 23 dBm Vietnam: 2400–2483.5 MHz, EIRP ≤ 23 dBm 5150–5350 MHz, EIRP ≤ 23 dBm 5470–5725 MHz, EIRP ≤ 30 dBm 5725–5850 MHz, EIRP ≤ 30 dBm
<b>Maximum transmit power (6 GHz)</b>	No
<b>Maximum transmit power (5 GHz)</b>	Combined power: 32 dBm (single-stream power: 26 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Maximum transmit power (2.4 GHz)</b>	Combined power: 32 dBm (single-stream power: 26 dBm) Note: The transmit power varies according to regulations in different countries and regions.
<b>Coverage range</b>	5 GHz max: 400 m (1312.34 ft.) 2.4 GHz max: 150 m (492.13 ft.) 5 GHz recommended: 200 m (656.17 ft.) 2.4 GHz recommended: 50 m (164.04 ft.) Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.
<b>Modulation</b>	OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and

# Hardware Specifications

Model	RG-RAP6260(H)
	1024-QAM OFDMA
Receive sensitivity	11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps) 11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps) 11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15) 11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9) 11ac: 40 MHz: -79 dBm (MCS0), -57 dBm (MCS9) 11ac: 80 MHz: -76 dBm (MCS0), -51 dBm (MCS9) 11ac: 160 MHz: -76 dBm (MCS0), -50 dBm (MCS9) 11ax: 20 MHz: -85 dBm (MCS0), -58 dBm (MCS11) 11ax: 40 MHz: -82 dBm (MCS0), -54 dBm (MCS11) 11ax: 80 MHz: -79 dBm (MCS0), -52 dBm (MCS11) 11ax: 160 MHz: -76 dBm (MCS0), -49 dBm (MCS11)
<b>Antenna</b>	
Antenna	2.4 GHz: 4 built-in omnidirectional antennas 5 GHz: 4 built-in omnidirectional antennas
Antenna horizontal orientation	No
Antenna vertical orientation	No
Antenna gain (6 GHz)	No
Antenna gain (5 GHz)	4.00 dBi
Antenna gain (2.4 GHz)	3.00 dBi
<b>Dimensions and Weight</b>	
Product dimensions (W x D x H)	300 mm x 300 mm x 75.5 mm (11.81 in. x 11.81 in. x 2.97 in.) (excluding the mounting bracket)
Color	White
Weight	≤ 3.5 kg (7.72 lbs.) (without packaging materials)
Shipping weight	≤ 5.47 kg (12.06 lbs.)
<b>Port Specifications</b>	
Number of 10/100/1000/2500BASE-T ports	1
Number of 1GE SFP ports	1

# Hardware Specifications

Model	RG-RAP6260(H)
Reset button	1
LEDs	1 x system status LED
<b>Power Supply and Consumption</b>	
Power supply	<ul style="list-style-type: none"><li>• DC power adapter</li><li>• PoE+/PoE++</li></ul> Note: If both the DC power adapter and PoE+/PoE++ are available for power supply, the DC power adapter is preferred.
Local power supply	Yes, one DC power connector (48 V, 1 A)
Dimensions of the DC connector	Outer diameter: 5.5 mm (0.22 in.) Inner diameter: 2.1 mm (0.08 in.) Depth: 10 mm (0.39 in.)
PoE In standard	<ul style="list-style-type: none"><li>• IEEE 802.3at (PoE+)</li></ul> Note: Radio transmission and reception is limited to 2T2R at 2.4 GHz and 5 GHz. <ul style="list-style-type: none"><li>• IEEE 802.3bt (PoE++)</li></ul>
PoE budget	No
Maximum power consumption	40 W
<b>Environment and Reliability</b>	
Operating temperature	-40°C to +65°C (-40°F to +149°F)
Storage temperature	-40°C to +85°C (-40°F to +185°F)
Operating humidity	0% RH to 100% RH (non-condensing)
Storage humidity	0% RH to 100% RH (non-condensing)
Mounting options	Wall/Pole
IP rating	IP68
Surge protection	Ethernet port: ±4 kV for common mode
MTBF	400,000 hours
<b>Certification and Regulatory Compliance</b>	
RoHS	Yes
Safety compliance	EN 62368-1

## / Hardware Specifications

Model	RG-RAP6260(H)
EMC	EN 55032 EN 55035 EN 61000-3-3 EN 61000-3-2 EN 301489-1 EN 301489-3 EN 301489-17
RF	EN 300 328 EN 301 893 EN 300 440
Certification	CE, FCC, CB, ISED, cTUVus
<b>System Specifications</b>	
Flash memory	256 MB
RAM	512 MB DDR3

# Software Specifications

Model	RG-RAP6260(H)
<b>Basic Configurations</b>	
AP mode	Yes
Routing mode	Yes
Internet access mode	Static IP address Static IPv6 address Dynamic IP address Dynamic IPv6 address PPPoE
<b>Interface</b>	
IPTV transparent transmission	No
<b>Ethernet Interface</b>	
PPPoE clients	Yes
<b>Ethernet Switching</b>	
IEEE 802.1Q VLAN	Yes
<b>WLAN</b>	
Maximum number of associated wireless clients	64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled)
Recommended number of associated wireless clients	<ul style="list-style-type: none"> <li>● Support for IEEE 802.11ax and 160 MHz:               <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>114 (5 GHz)</li> </ul> </li> <li>130 (2.4 GHz and 5 GHz enabled)</li> <li>● Support for IEEE 802.11ax and 80 MHz:               <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>84 (5 GHz)</li> </ul> </li> <li>100 (2.4 GHz and 5 GHz enabled)               <ul style="list-style-type: none"> <li>● Support for IEEE 802.11ac:                   <ul style="list-style-type: none"> <li>16 (2.4 GHz)</li> <li>64 (5 GHz)</li> </ul> </li> </ul> </li> <li>80 (2.4 GHz and 5 GHz enabled)</li> </ul>
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes

## Software Specifications

Model	RG-RAP6260(H)
OFDMA	Yes
WMM	Yes
DFS	Yes
MLO	No
4K-QAM	No
Different SSIDs for the same VLAN	Yes
Enabling/Disabling MLO	No
AP load balancing	Yes
Beamforming	Yes
802.11k/v roaming	Yes
Fast transition (802.11r)	Yes
Layer 2 roaming	Yes
Layer 3 roaming	Yes
AI roaming	Yes
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes
OWE (Enhanced Open) WPA3-SAE	Yes
WPA2-PSK/WPA3-SAE	
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256

# Software Specifications

Model	RG-RAP6260(H)
Mesh management	Yes
AP Mesh	Yes
AP portal authentication	Yes
Maximum number of devices that can be managed	300
One-Click Network Optimization	Yes
Static blacklist	Yes
<b>IP Service</b>	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
<b>Authentication</b>	
802.1X authentication	Yes
<b>Network Management and Monitoring</b>	
Wireless repeater mode	Yes
Web login information	Single-device login address: 10.44.77.254 Network-wide login address: 10.44.77.253 Default password: admin
Network-wide configuration and management	Yes
Ruijie Reyee App management	Yes
eWeb management	Yes
Ruijie Cloud management	Yes

## Software Specifications

Model	RG-RAP6260(H)
SNMP	Yes
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes

# / Package Contents

Model	RG-RAP6260(H)
<b>Package Contents</b>	
<b>Package Contents</b>	<ul style="list-style-type: none"><li>1 x AP</li><li>2 x Hose clamps</li><li>1 x Mounting bracket</li><li>1 x Mounting arm</li><li>4 x Internal/External hex machine screws (M8 x 20 mm)</li><li>4 x Expansion anchors (M8 x 60 mm)</li><li>1 x Cable gland for an SFP port</li><li>1 x Cable gland for an Ethernet port (pre-installed)</li><li>1 x SFP port plug (pre-installed)</li><li>1 x DC connector plug (pre-installed)</li><li>1 x Cable gland for a DC connector</li><li>1 x Grounding cable</li><li>1 x User Manual</li><li>1 x Warranty Card</li></ul>
<b>Accessories</b>	
<b>Power adapter</b>	No

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