

RG-RAP6260(H)

Reyee AX6000 High-density Outdoor Omni-directional Access Point

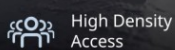
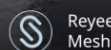
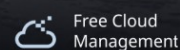


Highlights

- 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

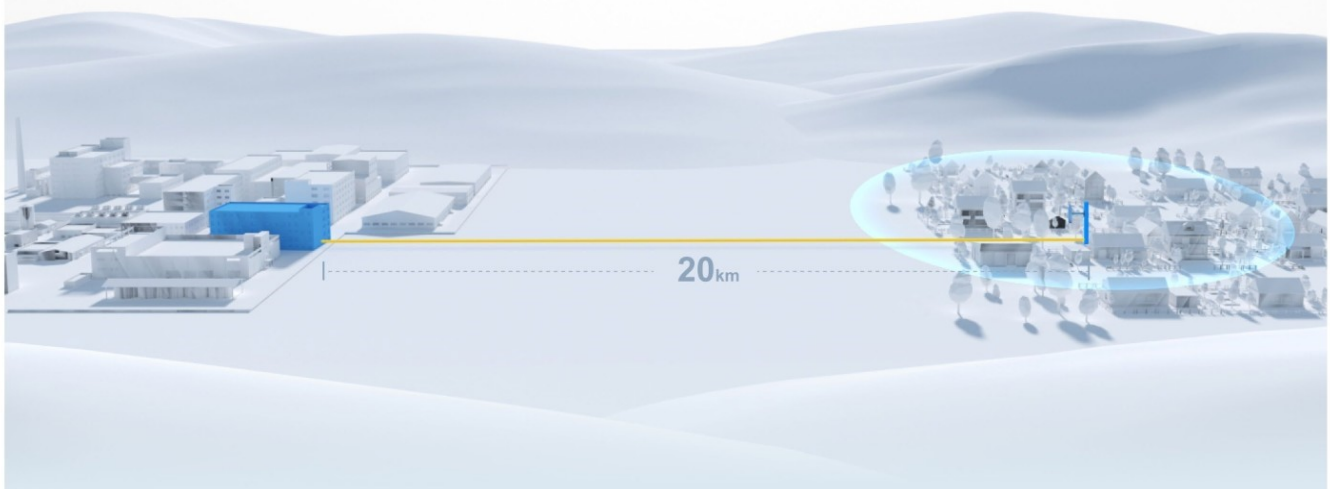
Easily Add Extra Outdoor Wi-Fi with Reyee Mesh

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

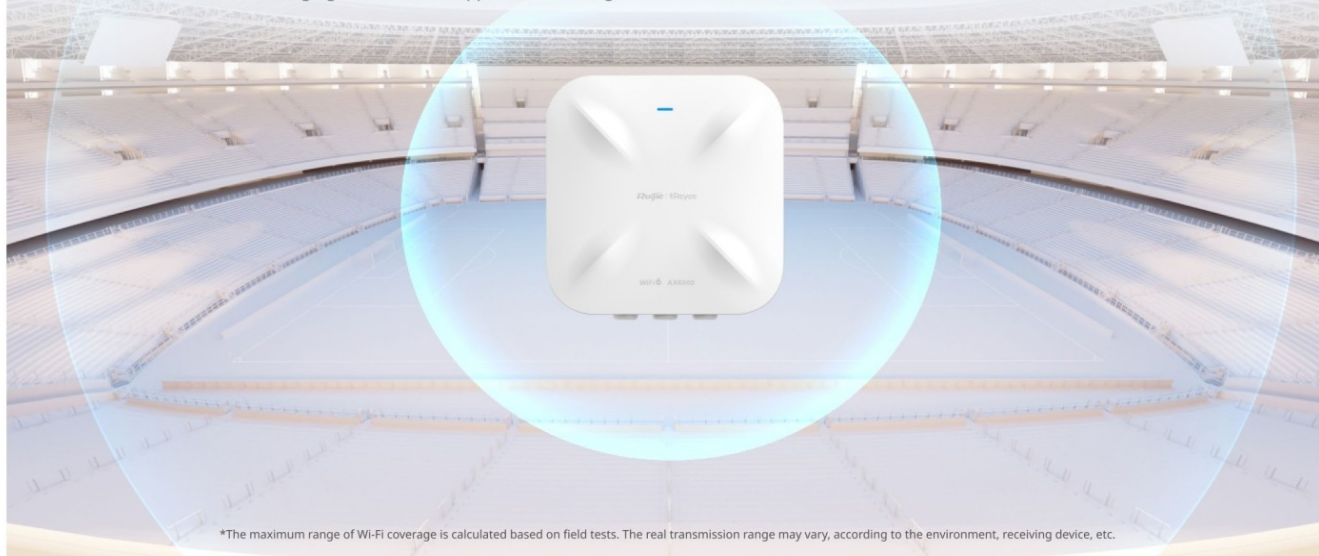
Adopts completely sealed, waterproof, dustproof, moisture proof and flame-retardant, wind erosion protection, Wide Temperature range, and 4kV surge protection design.



Highlight Features

Omni-directional Coverage with Long Range

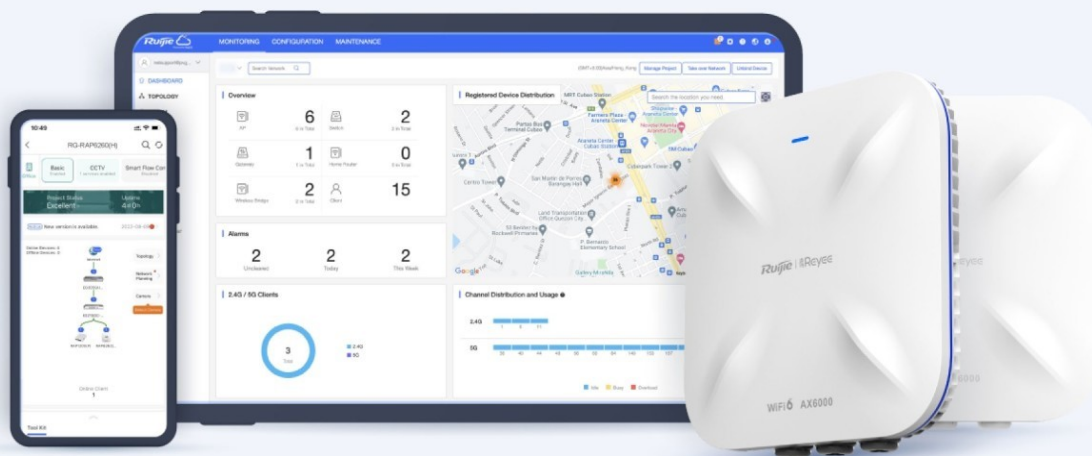
Built-in 8 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz*.



*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)
Wi-Fi Radio	
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
Radio design	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

Hardware Specifications

Model	RG-RAP6260(H)
	<ul style="list-style-type: none">• 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
Maximum transmit power	<p>Frequency bands and maximum Effective Isotropic Radiated Power (EIRP):</p> <p>Note: Country specific restrictions apply.</p> <p>European Union & United Kingdom:</p> <p>2400–2483.5 MHz, EIRP ≤ 20 dBm</p> <p>5470–5725 MHz, EIRP ≤ 30 dBm</p> <p>Myanmar:</p> <p>2400–2483.5 MHz, EIRP ≤ 23 dBm</p> <p>5725–5825 MHz, EIRP ≤ 30 dBm</p> <p>Thailand:</p>

Hardware Specifications

Model	RG-RAP6260(H)
	<p>2400–2483.5 MHz, EIRP $\leq$ 20 dBm</p> <p>5470–5725 MHz, EIRP $\leq$ 30 dBm</p> <p>5725–5825 MHz, EIRP $\leq$ 30 dBm</p> <p>Indonesia:</p> <p>2400–2483.5 MHz, EIRP $\leq$ 36 dBm</p> <p>5725–5825 MHz, EIRP $\leq$ 36 dBm</p> <p>Egypt:</p> <p>2400–2483.5 MHz, EIRP $\leq$ 20 dBm</p> <p>5150–5350 MHz, EIRP $\leq$ 23 dBm</p> <p>Vietnam:</p> <p>2400–2483.5 MHz, EIRP $\leq$ 23 dBm</p> <p>5150–5350 MHz, EIRP $\leq$ 23 dBm</p> <p>5470–5725 MHz, EIRP $\leq$ 30 dBm</p> <p>5725–5850 MHz, EIRP $\leq$ 30 dBm</p>
Maximum transmit power (6 GHz)	No
Maximum transmit power (5 GHz)	<p>Combined power: 32 dBm (single-stream power: 26 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>
Maximum transmit power (2.4 GHz)	<p>Combined power: 32 dBm (single-stream power: 26 dBm)</p> <p>Note: The transmit power varies according to regulations in different countries and regions.</p>

Hardware Specifications

Model	RG-RAP6260(H)
Coverage range	<p>5 GHz max: 400 m (1312.34 ft.)</p> <p>2.4 GHz max: 150 m (492.13 ft.)</p> <p>5 GHz recommended: 200 m (656.17 ft.)</p> <p>2.4 GHz recommended: 50 m (164.04 ft.)</p> <p>Note: The data is obtained in an ideal environment without obstruction. The signal coverage radius depends on client performance and environmental interference.</p>
Modulation	<p>OFDM: BPSK @ 6/9 Mbps, QPSK @ 12/18 Mbps, 16-QAM @ 24 Mbps, 64-QAM @ 48/54 Mbps</p> <p>DSSS: DBPSK @ 1 Mbps, DQPSK @ 2 Mbps, and CCK @ 5.5/11 Mbps</p> <p>MIMO-OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM and 1024-QAM</p> <p>OFDMA</p>
Receive sensitivity	<p>11b: -91 dBm (1 Mbps), -88 dBm (5.5 Mbps), -85 dBm (11 Mbps)</p> <p>11a/g: -89 dBm (6 Mbps), -80 dBm (24 Mbps), -76 dBm (36 Mbps), -71 dBm (54 Mbps)</p> <p>11n: -83 dBm (MCS0), -65 dBm (MCS7), -83 dBm (MCS8), -65 dBm (MCS15)</p> <p>11ac: 20 MHz: -83 dBm (MCS0), -57 dBm (MCS9)</p>

Hardware Specifications

Model	RG-RAP6260(H)
	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)
Antenna	
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
Dimensions and Weight	
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.)

Hardware Specifications

Model	RG-RAP6260(H)
Port Specifications	
Number of 10/100/1000/2500BASE-T ports	1
Number of 1GE SFP ports	1
Reset button	1
LEDs	1 x system status LED
Environment and Reliability	
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
System Specifications	
Flash memory	256 MB
RAM	512 MB DDR3
Power Supply and Consumption	
Power supply	<ul style="list-style-type: none">• DC power adapter• PoE+/PoE++

Hardware Specifications

Model	RG-RAP6260(H)
	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">• IEEE 802.3at (PoE+) Note: Radio transmission and reception is limited to 2T2R at 2.4 GHz and 5 GHz. <ul style="list-style-type: none">• IEEE 802.3bt (PoE++)
PoE budget	No
Maximum power consumption	40 W
Certification and Regulatory Compliance	
RoHS	Yes
Safety compliance	EN 62368-1
EMC	EN 55032 EN 55035 EN 61000-3-3 EN 61000-3-2 EN 301489-1

/ Hardware Specifications

Model	RG-RAP6260(H)
RF	EN 301489-3
	EN 301489-17
	EN 300 328
RF	EN 301 893
	EN 300 440
Certification	CE, FCC, CB, ISED, cTUVus

Software Specifications

Model	RG-RAP6260(H)
Authentication	
802.1X authentication	Yes
Dynamic VLAN assignment	Yes
IPv4 Ruijie RG-OCE Identity Manager authentication scheme	Yes
Linkufi authentication	Yes
Multicast	
IGMP snooping (wireless-to-wireless)	Yes
IGMP snooping (wired-to-wireless)	Yes
IGMP snooping (wired-to-wired)	No
Ethernet Switching	
IEEE 802.1Q VLAN	Yes
VLAN expansion	Yes
Enabling/Disabling an interface	Yes
Interface rate	ETH:10/100/1000/2500 Mbps auto-negotiation
Interface mode (half-duplex/full-duplex switching)	Yes
IP Service	
ARP binding	Yes
IPv4 ping	Yes
IPv6 ping	Yes

Software Specifications

Model	RG-RAP6260(H)
Traceroute	Yes
Static/Dynamic NAT	Yes
DHCP server	Yes
IPv6	Yes
Network Management and Monitoring	
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
SNMP	Yes
Configuration synchronization among the app, eWeb, and Ruijie Cloud	Yes
Displaying device information on Ruijie Cloud	Yes
Ethernet Interface	

Software Specifications

Model	RG-RAP6260(H)
PPPoE clients	Yes
WLAN	
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	● Support for IEEE 802.11ax and 160 MHz:
	16 (2.4 GHz)
	114 (5 GHz)
	130 (2.4 GHz and 5 GHz enabled)
	● Support for IEEE 802.11ax and 80 MHz:
	16 (2.4 GHz)
	84 (5 GHz)
	100 (2.4 GHz and 5 GHz enabled)
	● Support for IEEE 802.11ac:
	16 (2.4 GHz)
	64 (5 GHz)
	80 (2.4 GHz and 5 GHz enabled)
Maximum number of SSIDs	8
Radio-based client limiting	Yes
Layer 2 isolation	Yes
OFDMA	Yes

Software Specifications

Model	RG-RAP6260(H)
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
Co-channel roaming	Yes
Roaming sniffing	No
Configurable antenna	No
PSK authentication	Yes
Static allowlist	Yes
Adjusting the transmit power for beacon and probe frames	Yes

Software Specifications

Model	RG-RAP6260(H)
Encryption mode (WPA-PSK, WPA2-PSK, WPA/WPA2-PSK)	Yes
OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
Number of blocklists and allowlists based on MAC addresses (single SSID)	256
Number of global blocklists/allowlists	256
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 blocklist	Yes
Basic Configurations	
AP mode	Yes
Routing mode	Yes

Software Specifications

Model	RG-RAP6260(H)
Internet access mode	Static IP address
	Static IPv6 address
	Dynamic IP address
	Dynamic IPv6 address
	PPPoE
Interface	
IPTV transparent transmission	No

Package Contents

Model	RG-RAP6260(H)
Accessories	
Power adapter	No
Package Contents	
Package Contents	1 x AP
	2 x Hose clamps
	1 x Mounting bracket
	1 x Mounting arm
	4 x Internal/External hex machine screws (M8 x 20 mm)
	4 x Expansion anchors (M8 x 60 mm)
	1 x Cable gland for an SFP port
	1 x Cable gland for an Ethernet port (pre-installed)
	1 x SFP port plug (pre-installed)
	1 x DC connector plug (pre-installed)
	1 x Cable gland for a DC connector
	1 x Grounding cable
	1 x User Manual
	1 x Warranty Card

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Ruijie Networks Co., Ltd.

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