

# RG-RAP6260(H)

## Wi-Fi 6 AX6000 High-Density Outdoor Access Point

DATASHEET

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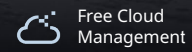
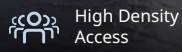


### Highlights

- Ultra-fast 5.95Gbps directional outdoor AP, best-in-class Wi-Fi performance.
- Boost your Internet speed with 2.5GE uplink.
- Easily expand extra outdoor Wi-Fi with ReYee Mesh.
- Extra-distance access point deployment with SFP port.
- IP68 protection, rock-solid in harsh environments.

## 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

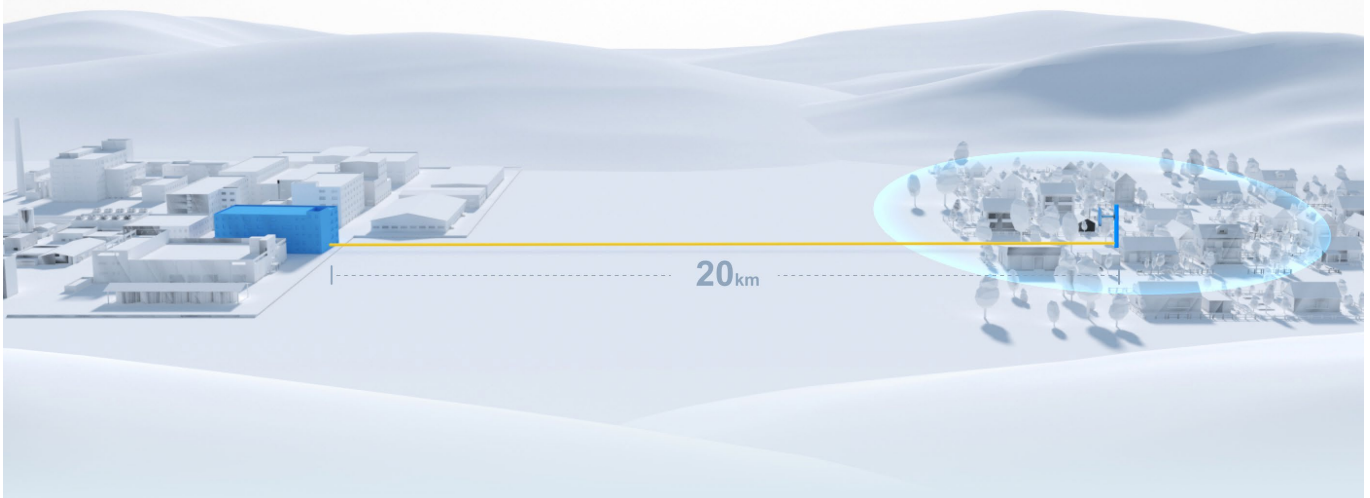
### Easily Add Extra Outdoor Wi-Fi with Reyee Mesh

Less wiring, more relaxing



### Support Extra-Distance Access Point Deployment

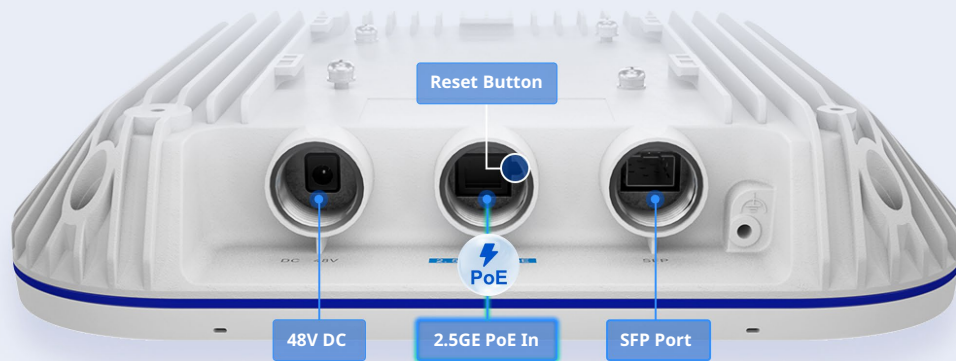
With **gigabit SFP** port, the device supports up to **20km** transmission from datacenter with single mode fiber



## Highlight Features

### Boost Your Internet Speed with 2.5Gbps Uplink

Build network for future, protect your investments.



### Rock-solid in Harsh Environments

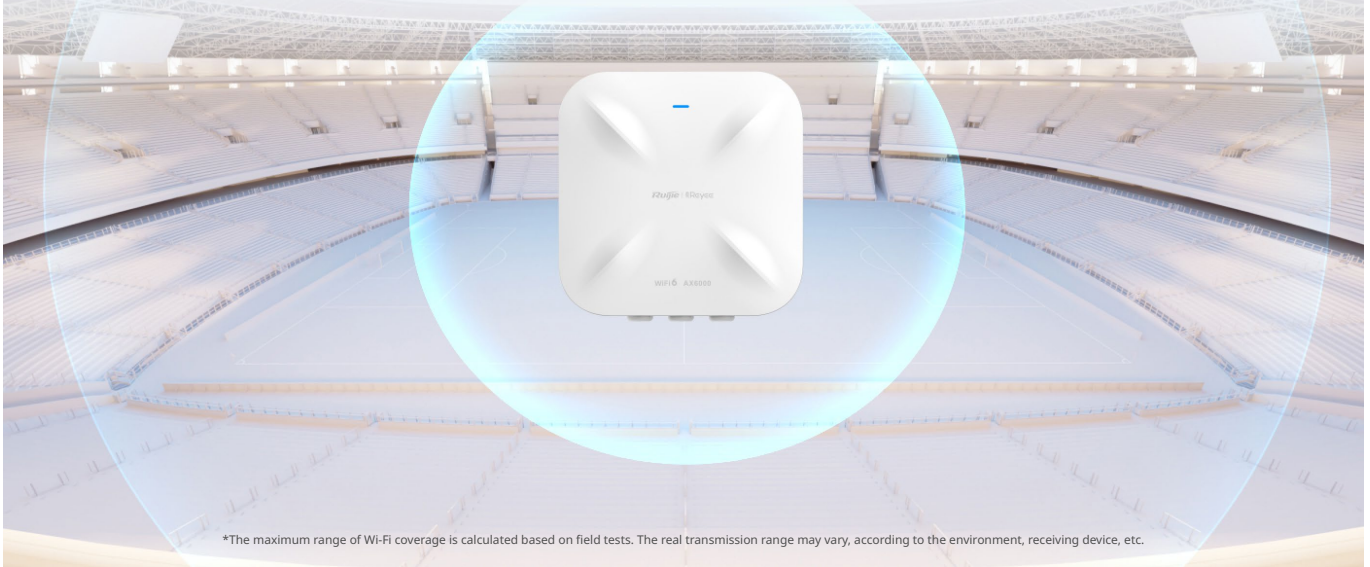
Adopts completely sealed, waterproof, dustproof, moisture proof and flame-retardant, wind erosion protection, Wide Temperature range, and 4kV surge protection design.



# Highlight Features

## Omni-directional Coverage with Long Range

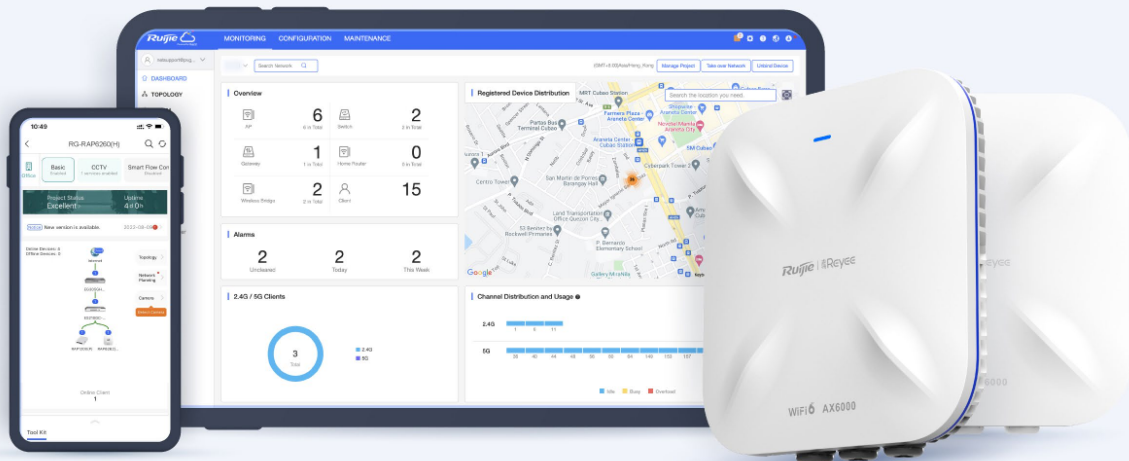
Built-in 8 high gain antennas, supports full coverage with radius of 100 meters at 2.4GHz, and 300 meters at 5GHz\*.



\*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



# Specifications

Model		RG-RAP6260(H)
<b>Hardware Specifications</b>		
<b>Wi-Fi Protocols</b>	5 GHz	Wi-Fi 4: IEEE 802.11a/n Wi-Fi 5: IEEE 802.11ac Wave2 Wi-Fi 6: IEEE 802.11ax
	2.4 GHz	Wi-Fi 4:IEEE 802.11b/g/n Wi-Fi 6:IEEE 802.11ax
<b>Operating Frequency Bands (country-specific restrictions apply)</b>	5 GHz	5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz
	2.4 GHz	2.400 GHz to 2.4835 GHz
<b>Spatial Streams</b>	5 GHz	4 spatial streams, 4x4 MIMO
	2.4 GHz	4 spatial streams, 4x4 MIMO
<b>Antenna</b>	Omni-directional	Yes
	5 GHz Antenna Gain	4.0 dBi
	2.4 GHz Antenna Gain	3.0 dBi
<b>Channel Width</b>	5 GHz	Auto/20/40/80/160 MHz
	2.4 GHz	Auto/20/40 MHz
<b>Data Rate</b>	Max. Throughput	5950 Mbps
	5 GHz	4803 Mbps
	2.4 GHz	1147 Mbps
<b>Max. Transmit Power</b>	5 GHz	≤400mW (26 dBm)
	2.4 GHz	≤400mW (26 dBm)
<b>Wi-Fi Coverage</b>	Optimal Coverage	N/A
	Max. Wi-Fi Coverage Range (6 GHz)	N/A
	Max. Wi-Fi Coverage Range (5 GHz)	300m
	Max. Wi-Fi Coverage Range (2.4 GHz)	N/A

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<b>Hardware Specifications</b>		
<b>Modulation</b>	Modulation	OFDM: BPSK@6/9 Mbps, QPSK@12/18 Mbps, 16QAM@24 Mbps, 64QAM@48/54 Mbps DSSS: DBPSK@1 Mbps, DQPSK@2 Mbps, and CCK@5.5/11 Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA
<b>Receiver Sensitivity</b>	Receiver Sensitivity	11b: -91 dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71 dBm(54Mbps) 11n: -83dBm(MCS0), -65dBm(MCS7), -83dBm(MCS8), -65dBm(MCS15) 11ac: 20MHz: -83dBm(MCS0), -57dBm(MCS9) 11ac: 40MHz: -79dBm(MCS0), -57dBm(MCS9) 11ac: 80MHz: -76dBm(MCS0), -51dBm(MCS9) 11ac: 160MHz: -76dBm(MCS0), -50dBm(MCS9) 11ax: 20MHz: -85dBm(MCS0), -58dBm(MCS11) 11ax: 40MHz: -82dBm(MCS0), -54dBm(MCS11) 11ax: 80MHz: -79dBm(MCS0), -52dBm(MCS11) 11ax: 160MHz: -76dBm(MCS0), -49dBm(MCS11)
<b>Dimensions (W x D x H)</b>	Dimensions (excluding mounting kits)	298 mm x 298 mm x 65 mm (11.73 in. x 11.73 in. x 2.56 in.)
<b>Weight</b>	excluding mounting kits	≤ 3.5 kg (7.72 lbs.)
<b>Service Ports</b>	Number of 10/100/1000BASE-T Ports	0
	Number of 10/100/1000/2500BASE-T Ports	1 (supports 802.3bt PoE)
	Number of 1 Gbps Optical Ports (SFP)	1
	Number of 10 Gbps Optical Ports (SFP+)	0
<b>Power Supply</b>	<b>DC(Local Power)</b>	Yes(48V/1A)
	DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
	802.3af	No
	802.3at	Yes(2T2R)
	802.3bt	Yes
	48 V passive PoE	Yes(60W)

# Specifications

Model		RG-RAP6260(H)
<b>Hardware Specifications</b>		
<b>PoE Out</b>	Max. PoE Wattage by PSE	No
<b>Power Consumption</b>	Power Consumption	< 40W
<b>Power Adapter</b>	Power Adapter	No
<b>Buttons</b>	Button	1 × Factory reset
<b>LEDs</b>	LEDs	1 × System LED indicator(blue)
<b>Environment</b>	Operating Temperature	-30°C to +65°C (-22°F to +149°F)
	Storage Temperature	-40°C to +85°C (-40°F to +185°F)
	Operating Humidity	0% to 100% (non-condensing)
	Storage Humidity	0% to 100% (non-condensing)
<b>Mounting</b>	Ceiling-mount	No
	Wall-mount	Yes
	Pole-mount	Yes
<b>Compliance Standards</b>	Health	EN IEC 62311:2020
	Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1
<b>Weatherproof</b>	IP Rating	IP68
	Lightning Protection/Surge	±4 kV
<b>Software Specifications</b>		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes



# Specifications

Model	RG-RAP6260(H)	
<b>Software Specifications</b>		
<b>WLAN</b>	Recommended Number of Clients	BW160 11AX: 16(2.4G)+114(5G)=130 BW80 11AX: 16(2.4G)+84(5G)=100 11AC: 16(2.4G)+64(5G)=80
	Max. Number of SSIDs	8
	Radio-based STA Limit	Yes
	Layer 2 Client Isolation	Yes
	OFDMA Subcarrier	Yes
	OFDMA	Yes
	Target Wake Time (TWT)	No
	Wi-Fi Multimedia (WMM)	Yes
	802.1Q VLAN	Yes
	Multi-Link Operation (MLO)	No
	4K-QAM	No
	Same SSID for Different VLANs	Yes
<b>Roaming</b>	802.11k/v	Yes
	802.11r	Yes
	Layer 2 Roaming	Yes
	Layer 3 Roaming	Yes
	AI Roaming	Yes
<b>Security</b>	PSK Authentication	Yes
	Static Blocklist and Allowlist	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes

# Specifications

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<b>Software Specifications</b>		
<b>Security</b>	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
	DHCP Snooping	Yes
	802.1X	Yes
	ARP Check	No
	IP Source Guard	No
	LLDP	No
	Static ARP Binding	Yes
	Proxy ARP	No
	Ping	Yes
	Traceroute	Yes
<b>Routing</b>	NAT	Yes
	Static IP Address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
<b>AP Mesh</b>	Mesh Management	Yes
	Reyee Mesh	Yes
<b>Standalone Portal</b>	Captive Portal	Yes
	Bandwidth Limit	Yes
	Data Quota	No
<b>Management and Maintenance</b>	Default Access/Password	Yes

# Specifications

Model		RG-RAP6260(H)
<b>Software Specifications</b>		
<b>Management and Maintenance</b>	No. of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	Yes
	Local or Remote Management via Ruijie Reyee App	Yes
	Local Management via the Web Interface	Yes
	Remote Management via Ruijie Cloud	Yes
	SNMP	Yes
<b>Platform Management Features</b>	Optimization of Channel, Transmit Power, and Management Frame Power Settings. Both Pre- and Pro-Optimization Settings are Displayed.	Yes
	Unified Configuration via Ruijie Cloud	Yes
	Unified Monitoring via Ruijie Cloud	Yes
<b>Others</b>		
<b>Flash</b>	Flash	256MB
<b>Memory</b>	Memory	512MB
<b>Color of AP Enclosure</b>	Color of AP Enclosure	Warm White

**Ruijie | ReYee**

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