

# RG-RAP52-OD

## Reyee Wi-Fi 5 AC1300 Access Point

DATASHEET

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### Highlights

- AC1300 Wave 2 Outdoor Mesh Mini-size AP For Villa & Retail
- Bracket or Poles, Flexible Installation to Fit Multi-Scene
- Weatherproof - Rated as IP65, Consistent Protection, Stable Signal
- Detachable Antennas, Cover Where You Need Specially
- Reyee Mesh, Standalone Portal, AI Roaming, Optimized Features for Street Business

## Highlight Features



### Small But Make A Difference

AC1300 Wave 2 Outdoor Mesh  
Mini-size AP for Villa & Retail

### Flexible Installation to Fit Multi-Scene



Wall Mounting



Pole Mounting

### Reliable Wi-Fi Performance and Superior Coverage for Your Business

AC1300 chip solution along with Enterprise-grade high-gain amplifiers and subtle design of antennas, make the whole device perform perfectly in coverage and quality Wi-Fi delivered.

5Ghz 867 Mbps

2.4Ghz 400 Mbps

2.4Ghz: 300m+

5Ghz: 400m+



Reyee Mesh



IP65



Detachable Antennas



Flex-installation



Cloud Management

# Highlight Features

## Refined Appearance

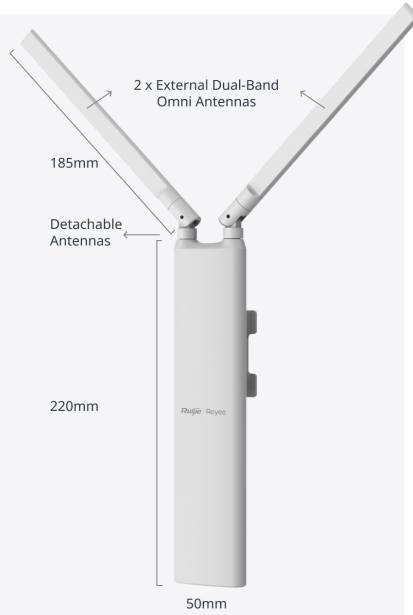
Incredibly Thin  
Impressively Small

Adapt to Modern Life Change



60mm

200mm



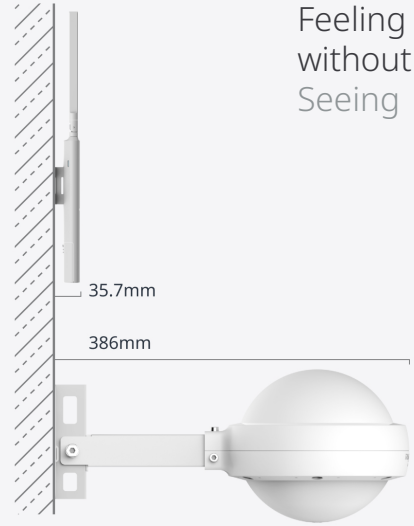
185mm

Detachable  
Antennas

220mm

50mm

Feeling  
without  
Seeing

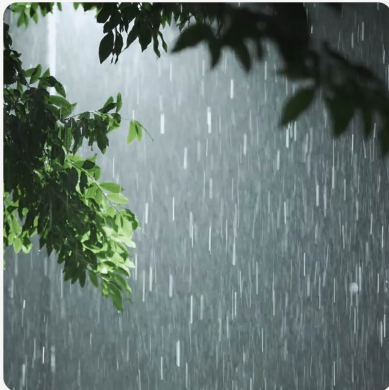


35.7mm

386mm

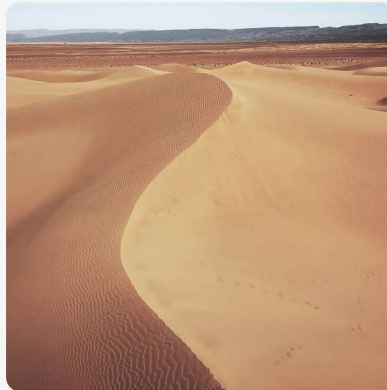
## Consistent Protection, Stable Signal

Weatherproof - Rated as IP65 during Ingress Protection Testing



### Raining-Proof

(Within A distance of 2.5 meters) strongly  
sprayed by water with a flow rate of  
12.5±0.625(L/min)



### Dust-Proof

Highest Protection to prevent tiny dust into the  
inside of device



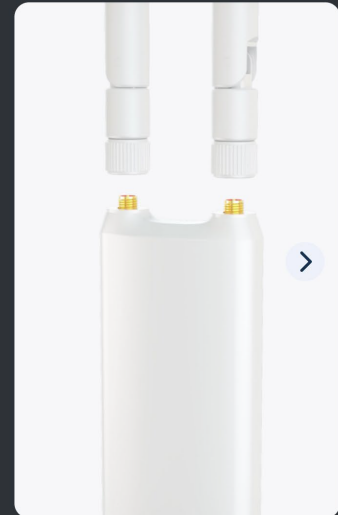
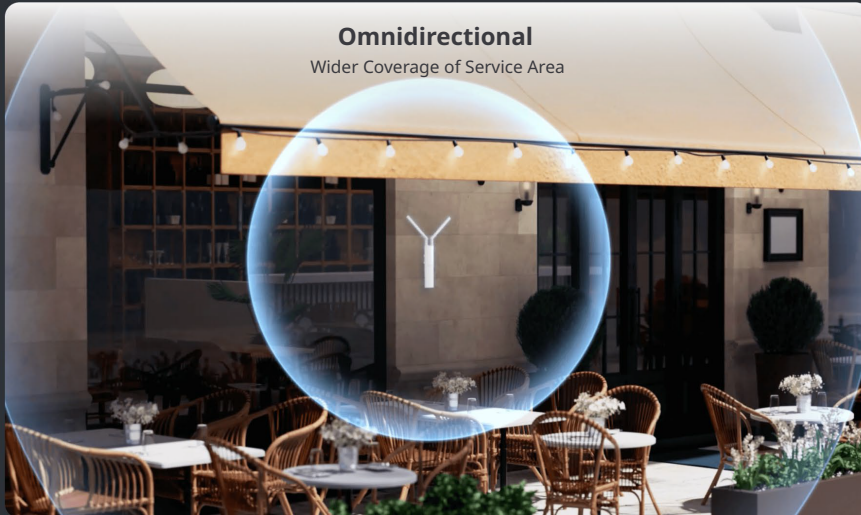
### Surge-Protection

4KV Lightning Protection  
15KV ESD Protection

## Detachable Antennas (SMA Standard)

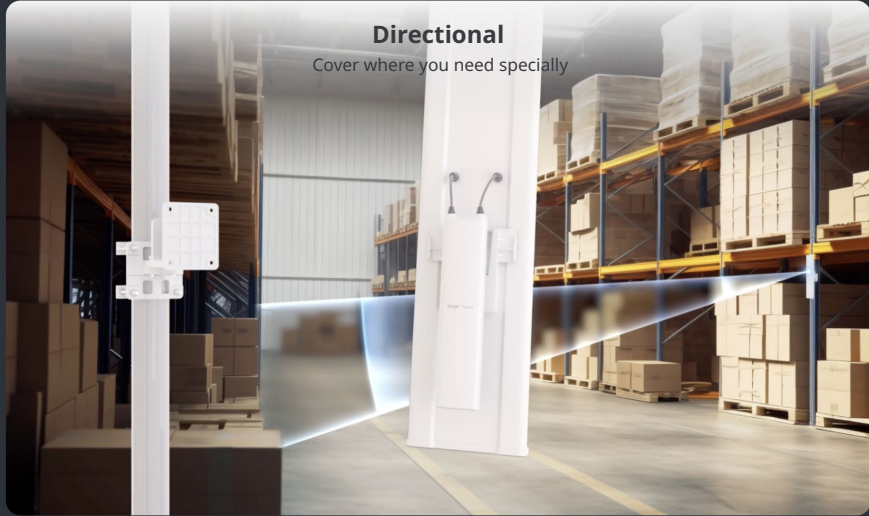
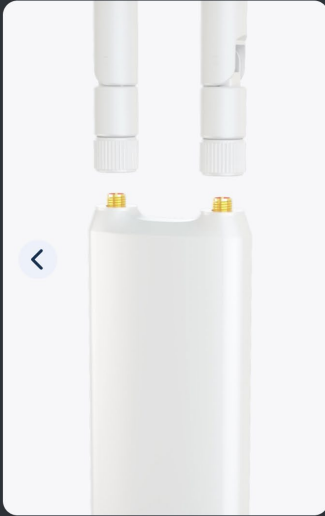
### Omnidirectional

Wider Coverage of Service Area



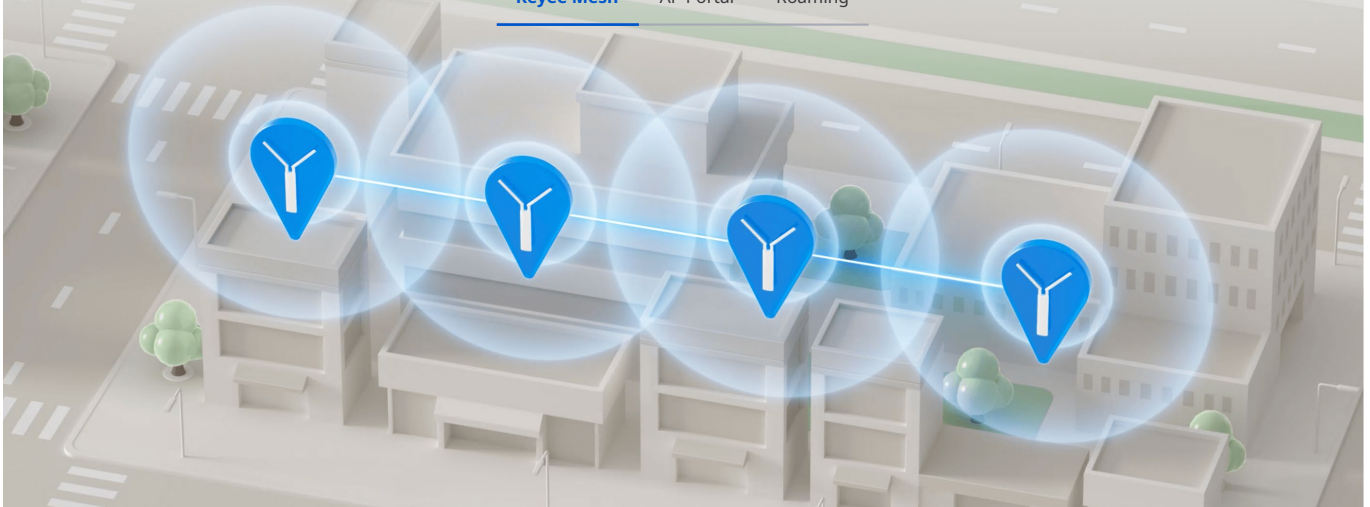
# Highlight Features

## Detachable Antennas (SMA Standard)



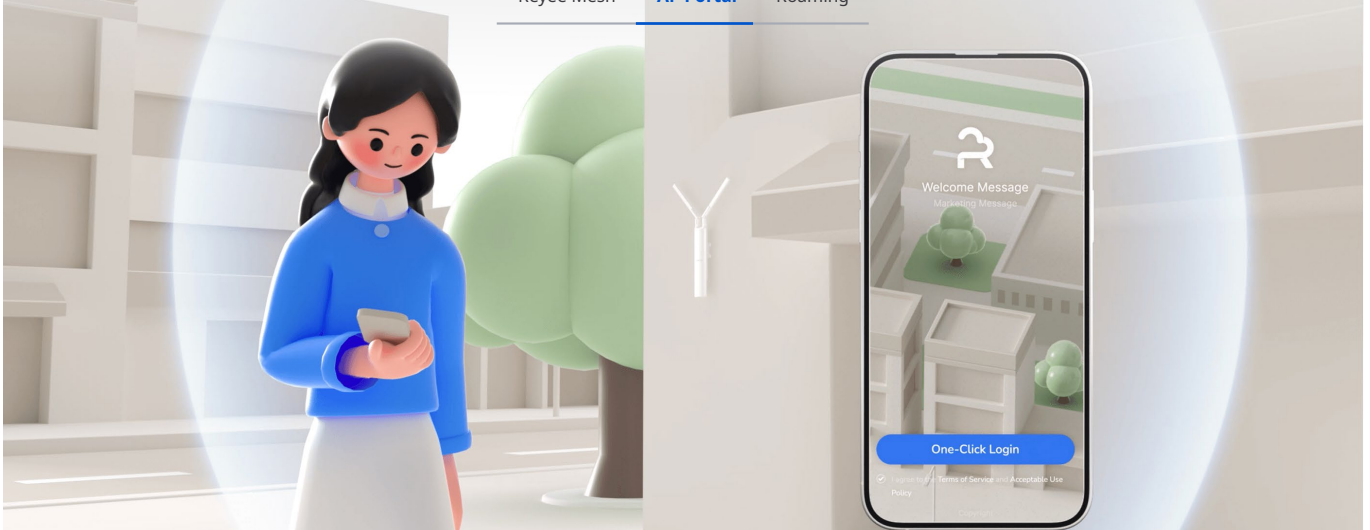
## Optimized Features for Street Business

Reyee Mesh AP Portal Roaming



## Optimized Features for Street Business

Reyee Mesh AP Portal Roaming

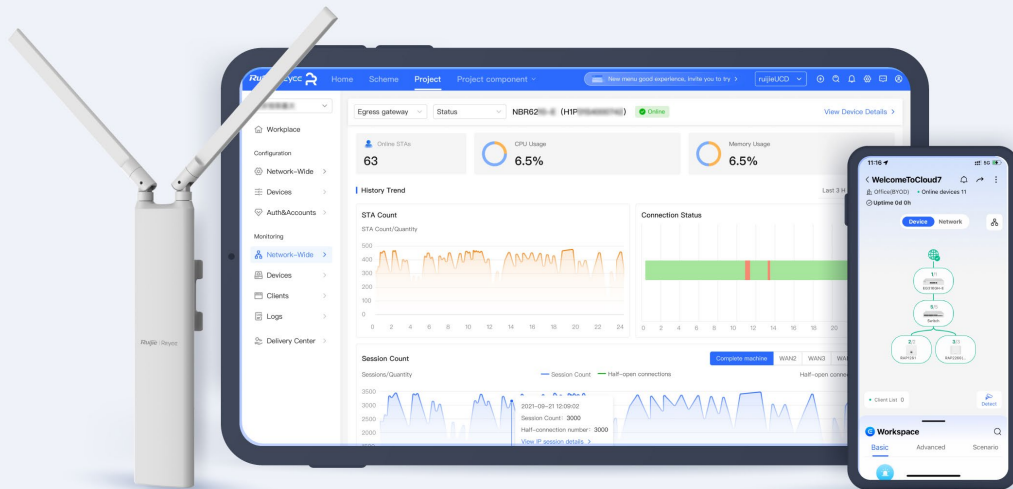


# Highlight Features



## Cloud, Make Your Business Easy

- Self-organizing network
- Centralized network management
- Cloud portal authentication
- Remote monitoring and maintenance



# Specifications

Model	RG-RAP52-OD	
<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
	2.4 GHz	Wi-Fi 4:IEEE 802.11b/g/n
<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	2 spatial streams, 2x2 MIMO
	2.4 GHz	2 spatial streams, 2x2 MIMO
<b>Antenna</b>	Omni-directional	Yes
	5 GHz Antenna Gain	4.0dBi
	2.4 GHz Antenna Gain	3.0dBi
<b>Channel Width</b>	5 GHz	Auto/20/40/80 MHz
	2.4 GHz	Auto/20/40 MHz
<b>Data Rate</b>	Max Throughput	1266Mbps
	5 GHz	866Mbps
	2.4 GHz	400Mbps
<b>Max. Transmit Power</b>	5 GHz	≤125mW(21dBm)
	2.4 GHz	≤160mW(22dBm)
<b>Wi-Fi Coverage</b>	Max. Wi-Fi Coverage Range (5 GHz)	400m
	Max. Wi-Fi Coverage Range (2.4 GHz)	300m

# Specifications

Model		RG-RAP52-OD
<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
<b>Receiver Sensitivity</b>	Receiver Sensitivity	11b: -91 dBm(1Mbps), -88dBm(5.5Mbps), -85dBm(11Mbps) 11a/g: -89dBm(6Mbps), -80dBm(24Mbps), -76dBm(36Mbps), -71dBm(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)
<b>Dimensions (W x D x H)</b>	Dimensions (excluding mounting kits)	220 mm × 50 mm × 35.7 mm (8.66 in. x 1.97 in. x 1.41 in.) antenna size: 185mm (7.28 in.)
<b>Weight</b>	excluding mounting kits	≤ 0.4 kg (0.88 lbs.)
<b>Service Ports</b>	Number of 10/100/1000BASE-T Ports	1 (supports 802.3af PoE)
	Number of 10/100/1000/2500BASE-T Ports	0
	Number of 1 Gbps Optical Ports (SFP)	0
	Number of 10 Gbps Optical Ports (SFP+)	0
<b>Power Supply</b>	DC(Local Power)	No
	DC Port Dimensions	No
	802.3af	Yes
	802.3at	Yes
	802.3bt	N/A
	48 V passive PoE	N/A

# Specifications

Model		RG-RAP52-OD
<b>Hardware Specifications</b>		
PoE Out	Max. PoE Wattage by PSE	No
Power Consumption	Power Consumption	< 13.5 W
Power Adapter	Power Adapter	No
Buttons	Button	1 × Factory reset
LEDs	LEDs	1 × System LED indicator(blue)
Environment	Operating Temperature	-30°C to +65°C (-22°F to +149°F)
	Storage Temperature	-40°C to +75°C (-40°F to +167°F)
	Operating Humidity	10% to 95% (non-condensing)
	Storage Humidity	10% to 95% (non-condensing)
Mounting	Ceiling-mount	No
	Wall-mount	Yes
	Pole-mount	Yes
Compliance Standards	Health	EN IEC 62311:2020
	Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.2.1
Weatherproof	IP Rating	IP65
	Lightning Protection/Surge	±4 kV
<b>Software Specifications</b>		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes
WLAN	Recommended Number of Clients	16(2.4G)+64 (5G) =80
	Max. Number of SSIDs	8



# Specifications

Model	RG-RAP52-OD	
<b>Software Specifications</b>		
<b>WLAN</b>	Radio-based STA Limit	Yes
	Layer 2 Client Isolation	Yes
	OFDMA Subcarrier	No
	OFDMA	No
	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
	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	No

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Model	RG-RAP52-OD	
<b>Software Specifications</b>		
<b>Security</b>	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
	No. of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	Yes

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Model		RG-RAP52-OD
<b>Software Specifications</b>		
<b>Management and Maintenance</b>	Local or Remote Management via Ruijie Reyee App	Yes
	Local Management via the Web Interface	Yes
	Remote Management via Ruijie Cloud	Yes
	SNMP	No
<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	16MB
<b>Memory</b>	Memory	128MB
<b>Color of AP Enclosure</b>	Color of AP Enclosure	Ruijie White

**Ruijie | ReYee**

 **R**edefine your **e**asy network

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