

Wi-Fi 5 Outdoor Omnidirectional Access Point AC1300 802.11ac Dual-band 1267 Mbps RG-RAP52-OD



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The RG-RAP52-OD is an outdoor dual-band omnidirectional access point designed for use in scenarios such as villas, homes, retail spaces, and any other suitable outdoor applications to provide high-speed Wi-Fi to multiple end users. The RG-RAP52-OD can simultaneously work in the 2.4 GHz and 5 GHz frequency bands and supports dual-band MIMO. The RG-RAP52-OD supports Reyee Mesh for simple wireless network expansion in difficult to cable scenarios.

Former Part No. 57MM-AP16

3-Year Manufacturer's Warranty

For full terms & conditions, please see – [Ruijie Warranty T&Cs](#).

Features and Benefits

- » Compact outdoor high-range WiFi-5 (802.11ac) supporting speeds up to 1267 Mbps (Concurrent high-speed wireless access of 400 Mbps at 2.4GHz and 867 Mbps at 5GHz)
- » IP65 rated for outdoor use, it can be mounted to wall surfaces with a supplied bracket or pole-mounted for flexible installation.
- » Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimising and maintenance on Ruijie Cloud App.
- » Featuring maximum Wi-Fi coverage range of 300m+ for 2.4GHz and 400m+ for 5GHz
- » Perfect for use in outdoor settings like caravan parks, villas, town centres, sports grounds, parks, etc
- » Detachable antennas with standard SMA interface so you can optimise signal as needed.
- » No cable, no problem, easily install extra APs using Reyee Mesh technology.



Specifications

Hardware

Wi-Fi Standards	Wi-Fi 5 (IEEE 802.11ac Wave 2) Wi-Fi 4 (IEEE 802.11n) IEEE 802.11a IEEE 802.11b/g
MIMO	2.4 GHz, 2x2 MIMO 5 GHz, 2x2 MIMO
Max. Data Rate	2.4 GHz: 400 Mbps 5 GHz: 867 Mbps
Max. Transmit Power	CE EIRP: 2.4 GHz to 2.4835 GHz ≤ 20 dBm 5.150 GHz to 5.350 GHz ≤ 23 dBm 5.470 GHz to 5.725 GHz ≤ 30 dBm Note: Country specific restrictions apply Myanmar: 2400 MHz - 2483.5 MHz ≤ 20 dBm 5150 MHz - 5350 MHz ≤ 23 dBm 5470 MHz - 5850 MHz ≤ 25 dBm Thailand: 2.4 GHz to 2.4835 GHz: 20 dBm 5.150 GHz to 5.350 GHz: 23 dBm 5.470 GHz to 5.725 GHz: 30 dBm 5.725 GHz to 5.825 GHz: 30 dBm
Max Throughput	Up to 400 Mbps at 2.4 GHz Up to 867 Mbps at 5 GHz 1.267 Gbps per AP

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Hardware (continued)

Dimensions	220 mm × 50 mm × 35.7 mm (8.66 in. × 1.97 in. × 1.41 in.) (excluding mounting bracket and antenna) antenna size: 185mm (7.24 in.)
Weight	Main Unit: ≤ 0.4 kg
Fixed Ports	1 × 10/100/1000 Base-T port
LEDs	1 × system LED
Power Supply	IEEE 802.3af standard PoE power supply 24 V passive PoE power supply

Basic Features

Max. Power Consumption	≤ 14 W
Operating Temperature	-30°C to +70°C (-22°F to +158°F) Long-term operating temperature: -30°C ~ 65°C (-22°F ~ 149°F); tested short-term operating temperature (Less than 24 hours): 66°C ~ 70°C (150.8°F ~ 158°F)
Storage Temperature	-40°C to +75°C (-40°F to +167°F)
Operating Humidity	10% to 95% RH (non-condensing)
Storage Humidity	10% to 95% RH (non-condensing)
Installation	Wall mounting and pole mounting
EMC Compliance Standards	GB9254 EN301 489 EN55022 B9254-2008 EN301 489 EN55022 FCC Part15 RSS-210 EN50155 EN50121 NEBS GR-63-CORE_Issue3_2006
Shock and Vibration Compliance Standards	IEC 61373 NEBS GR-63-CORE_Issue3_2006 EN300 328 EN301 893 GB/T25119 EN50155(EN61373)
Radio Compliance Standards	EN300 328 EN301 893
Radar Signal Detection and Frequency Hopping (DFS)	Yes

Basic Features (continued)

IP (Ingress Protection) Rating	IP65
MTBF	> 400,000 hours

Software Features

Operating Mode	AP mode and routing mode
STA Limit	Yes
WLAN	Maximum number of clients: 110 Recommended number of clients: 96 Up to 8 SSIDs Support SSID hiding Configuring the authentication mode encryption mechanism VLAN attributes for each SSID SSID-based and radio-based STA limit Support Layer 2 user isolation
KV Roaming	Yes
Layer 2 Roaming	Yes
Layer 3 Roaming	Yes
Security	Support PSK authentication Support Black List / White List: Maximum 256 rules per SSID Maximum 1024 rules per AP Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption Standalone Portal
Routing	Support static IP address, DHCP, PPPoE Dial Up
Support static IP address, DHCP, PPPoE Dial Up	Support unified networking of all network equipment Support local or remote management with Ruijie Cloud app Support local management with web Support remote management with Ruijie Cloud platform
Platform management features	WIO2.0, Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform
AP Mesh	Mesh management Reyee Mesh