RG-RAP6262(G)
WI-FI 6 OUTDOOR OMNIDIRECTIONAL ACCESS POINT

Redefine your easy network

Ruijie Networks

Product Overview

RG-RAP6262(G) is a high-power outdoor omnidirectional dual-band access point provided by Ruijie Reyee for use-case scenarios such as villages, villas, parks, scenic locations and public squares. It supports 802.11a/b/g/n/ac/ax. The product can simultaneously work in the 2.4GHz and 5GHz frequency bands, support dual-band dual-stream MU-MIMO, and provide 2.4GHz 574Mbps and 5GHz 1201Mbps. The entire device provides a maximum of 1775Mbps access rate, and is equipped with built-in omnidirectional high-gain antennas which meet the coverage requirement.

The spherical design of the RG-RAP6262(G) is smart and elegant. It's shell meets the IP68 protection grade which is suitable for use in extreme outdoor environments. The mounting method simplifies installation and maintenance. The RG-RAP6262(G) supports remote power over Ethernet (802.3at standard PoE) and local DC 12 V power supply. It has two GE ports which can be directly connected to cameras or cascaded switches, greatly enriching outdoor networking solutions and deployment into more diverse scenarios.

As a Reyee access point, RG-RAP6262(G) supports the intelligent networking features of Reyee Network. It does not need a wireless controller and does not need to access the Internet. The devices automatically discover each other, set up a network and complete configurations. The Reyee Network App helps you to quickly complete network access, configurations, remote management and remote maintenance on the device, and in turn reduces the investment of device cost, labor cost and time cost in the process of constructing a wireless network. You can also perform comprehensive local and remote management of the entire network of devices by using the App, Web, Ruijie Cloud, or Reyee Routers. Additionally, you can share with others for network management assistance. This makes enterprise networking simpler, easier-to-use, more secure and more convenient.

Product Characteristics

Dual Power Supply Design

The device can connect to both power supplies at the same time, thus serving as power backup, avoidance of power failures caused by lightning damage, and improvement of reliability in outdoor operation.

Intelligent Networking of the Entire Network

The RG-RAP6262(G) also supports mesh networking, so access points can be easily deployed in scenarios where conventional wiring is not convenient.
Under the guidance of the Reyee Network App, you can launch and configure the devices on the entire network within three minutes.
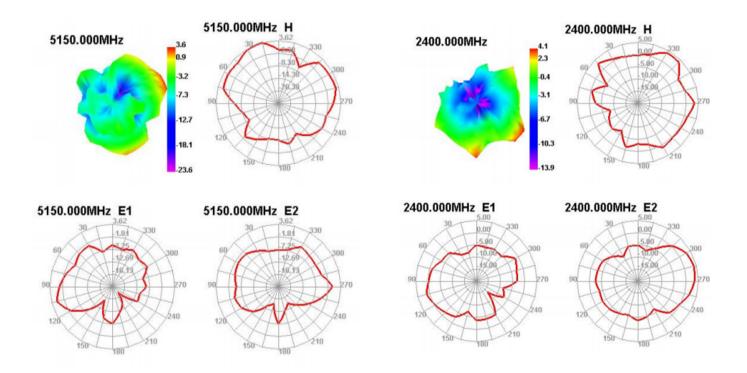
High-Performance Wireless Access

The concurrent connection of up to 256 terminals and 300m coverage radius also significantly improves the efficiency of outdoor wireless deployment.

Outstanding Adaptive Capacity to Environment

The outer shell of RG-RAP6262(G) adopts a completely sealed waterproof, dustproof, moistureproof and flame retardant design. It has passed the 4000 V lightning protection test and meets the requirements of IP68 protection level.

The RG-RAP6262(G) uses industrial-grade wide-temperature components and shells. Therefore, it can function normally in a wide temperature range of -30~65℃ without affecting stability and service life. The device is suitable for harsh outdoor environments, including cold and humid weather

Antenna Schematic

Technical Specifications

Basic Feature	
Wi-Fi Standards	Wi-Fi6 (IEEE 802.11ax) Wi-Fi5 (IEEE 802.11ac Wave2) Wi-Fi4(IEEE 802.11n)
RF Design	2.4GHz, 2×2, MU-MIMO 5GHz, 2×2, MU-MIMO
Max. Wi-Fi Speed	2.4GHz: 574Mbps 5GHz: 1201Mbps
Antenna	4
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4GHz: 3dBi 5GHz: 5dBi
Transmit Power	EIRP ≤ 26dBm (2.4GHz) ≤ 25dBm (5GHz) country-specific restrictions apply
Fixed Ports	2×10/100/1000 Base-T
Max. Clients	256, 64 (2.4GHz) or 256 (Total)
Recommended Clients	100 11AX Terminal: 16 (2.4GHz) + 84 (5GHz) 11AC Terminal: 16 (2.4GHz) + 64 (5GHz)
Max. SSIDs	8
Software Feature	
WLAN Basic Features	
SSID Hiding	Support
Power Adjustment	Support
Roaming	Layer 2 roaming Layer 3 roaming
OFDMA	Support
Target wake time (TWT)*	Support
WMM	Support
Radar Signal Detection and Frequency Hopping	Support

WLAN Security	
Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK;
Blacklist and Whitelist	Support
Enhanced User Experience	
Wi-Fi Optimization	Support
Automatic RF adjustment via the platform	Support
User Isolation	Layer 2 user isolation
STA limit	Support
Removing Low-RSSI STAs	Support
Configuring STAs' RSSI Threshold	Support
Average Speed Threshold	Support
Adjusting Sending Rate of Beacon and Probe Response	Support
Syslog Recording Why Users Lose Connection	Support
Auto Channel and Power Adjustment on Cloud	Support
RSSI Threshold for STA Access	Support
Quick channel adjustment (auto channel selection)	Support
Networks	
Network Access Mode	DHCP Client
VLAN	Support
System	
Cloud Management	Support
App Management	Support
App Upgrade	Support
App Restart	Support
Scheduled Restart	Support
Local Upgrade	Support
Online Upgrade	Support
Factory Reset	Support
WLAN Features	
Frequency Bandwidth	2.4GHz: 20/40MHz 5GHz: 20/40/80MHz
Recommended Wi-Fi Coverage Radius	2.4G 50m, 5G 150m
Max. Wi-Fi Coverage Radius	2.4G 100m, 5G 300m
Operation Frequency Bands	802.11b/g/n/ax: 2.400GHz to 2.483GHz 802.11a/n/ac: 5.150GHz to 5.350GHz 802.11a/n/ac/ax: 5.470GHz to 5.725 GHz, 5.725GHz to 5.850GHz country-specific restrictions apply
Receive Sensitivity	

Physical	
LED Indicator	3× system LED indicator
Buttons	1×Reset button
Dimensions (W x D x H)	200mm × 220mm × 166mm (Without Mounting Bracket)
Weight	1.2kg (Without Mounting Bracket)
Power	
Power Supplies	IEEE 802.3at PoE DC 12V/1.5A
Power Consumption	≤ 18W
DC Port Dimensions	Outer Diameter: 5.5mm Inner Diameter: 2.1mm Length: 10mm
Environmental	
Operating Temperature	-30°C to 65°C
Storage Temperature	-40°C to 85°C
Operating Humidity	0% to 100% (Noncondensing)
Storage Humidity	0% to 100% (Noncondensing)
IP(Ingress Protection)	IP68
Port Surge	4kV
MTBF	>250000H