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

Product Overview

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

The spherical structure design of RG-RAP6262(G) is smart and elegant, and the shell meets the IP68 protection grade, which is suitable for use in extreme outdoor environment and can effectively avoid the influence of bad weather and environment. The separation mounting method greatly simplifies the installation and maintenance. The RG-RAP6262(G) supports remote power over Ethernet (802.3at standard PoE) and local DC 12 V power supply mode. It has two GE ports, which can be directly connected to cameras or cascaded switches, greatly enriching outdoor networking solutions and applying to more 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 network, and complete configurations. The Reyee network app helps you quickly complete network access, configurations, remote management, and remote maintenance on the device, greatly reducing the investment of device cost, labor cost and time cost in the process of wireless network construction. You can also perform comprehensive local and remote management of the entire network devices by using app, Web, Ruijie Cloud, or Reyee Routers, or share with others for assistance management. This makes the enterprise network simpler, easier-to-use, securer and more convenient.

Product Characteristics

Rack-Separated Mounting

With the rack-separated mounting design, the RG-RAP6262(G) can be installed by only two steps, which reduces the difficulty of overhead working.
Step 1: Fix the sheet metal bracket to the wall with expansion screws, or fix the sheet metal bracket to the pole with a clamp.
Step 2: Insert the device and connecting rod into the slot of the sheet metal bracket, and fix them with screws.

Dual Power Supplies Design

The RG-RAP6262(G) supports remote power over Ethernet (802.3at standard PoE) and local DC 12 V power supply. The device can connect to both the power supplies at the same time as power backup, to avoid power failures caused by lightning damage and greatly improve the reliability of outdoor operation.

Dual Network Ports Design

The RG-RAP6262(G) has two GE ports, which can be connected to cameras and switches. The two ports great-ly enrich the outdoor networking modes and apply to more scenarios. It is an excellent choice for mixed deployment of outdoor wireless coverage and outdoor surveillance.

Intelligent Networking of the Entire Network

The RG-RAP6262(G) supports three networking modes: gateway managed, MACC platform managed, and intelligent networking. It can work with Reyee gateway, Reyee intelligent PoE switch, and Reyee access point to implement unified discovery, unified networking, unified configuration, and unified management. In addition, it can be separated from hardware controllers to work with any vendor's routers or gateways, thus reducing the costs of network building or reconstruction. The RG-RAP6262(G) also supports mesh networking, so access points can be easily deployed in the scenarios where wiring is not convenient.
Under the guidance of Reyee network app, you can launch and configure the devices on the entire network within three minutes. You can locally or remotely manage the entire network devices by using app, web, Ruijie Cloud, or Reyee Routers, or share with others for assistance management.

High-Performance Wireless Access

The RG-RAP6262(G) supports 802.11n @ 2.4 GHz, 802.11ac Wave2 @ 5 GHz, and 802.11ax. It provides 2.4 GHz 574 Mbps and 5 GHz 1201 Mbps. The entire device supports a maximum of 1775 Mbps access rate. Thanks to the super wireless performance, the network experience of wireless users is greatly improved. The 256 concurrent connections of terminals and the 300 m coverage radius also significantly improve the outdoor wireless deployment efficiency.

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) can be placed outdoors for a long time, and still works normally in harsh environment. On the basis of ensuring routine operation, the service life of the device is greatly improved. Moreover, the later maintenance costs of customers can be effectively reduced.
The RG-RAP6262(G) uses industrial-grade wide-temperature components and shells. Therefore, it can work normally in a wide temperature range of -30~65°C without affecting the stability and service life. The device is suitable for the harsh outdoor environment with cold and humid weather.

AI Network Optimization

All-round intelligent network management and optimization can be implemented by artificial intelligence, including but not limited to:
The function of automatic identification and merging of new devices is added.
WAN port address conflict is avoided.
The entire network topology is intelligently shown and diagnosed.
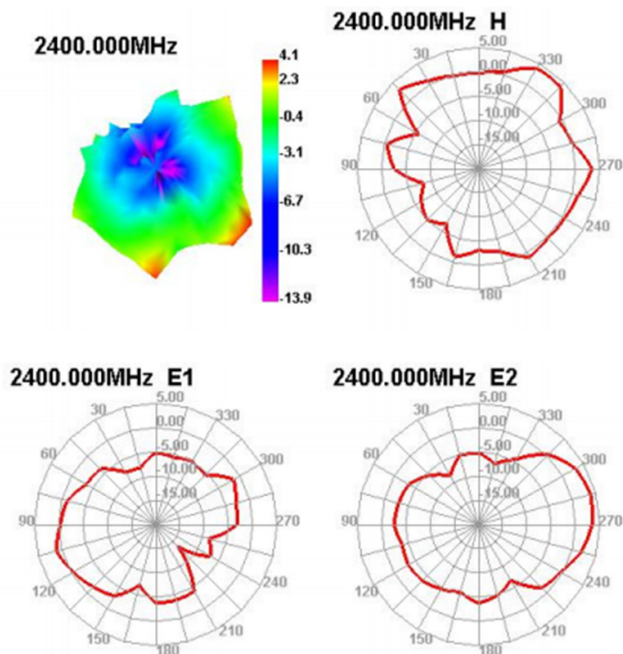The entire network strategy is optimized and radio frequency is adjusted.
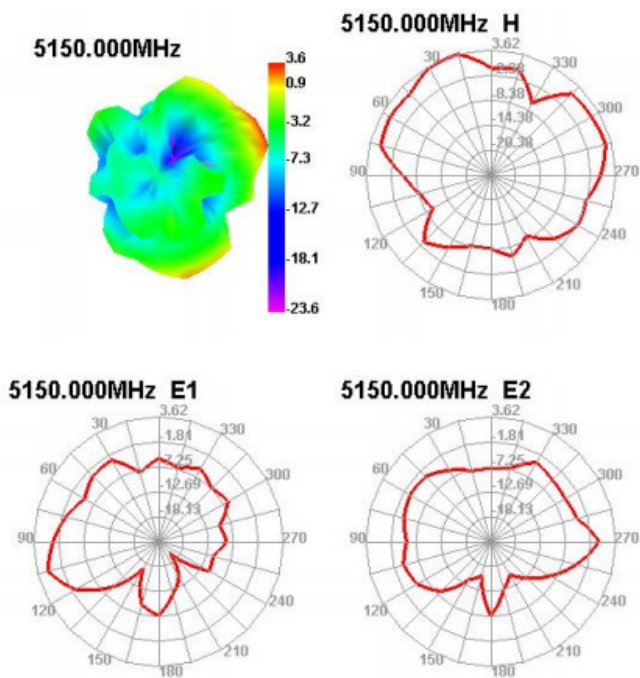
Technical Specifications

Basic Feature	
Wi-Fi Standards	Wi-Fi6 (IEEE 802.11ax) Wi-Fi5 (IEEE 802.11ac Wave2) Wi-Fi4(IEEE 802.11n)
RF Design	2.4 GHz, 2×2, MU-MIMO 5 GHz, 2×2, MU-MIMO
Max. Wi-Fi Speed	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps
Antenna	4
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4 GHz: 3 dBi 5 GHz: 5 dBi
Transmit Power	EIRP ≤ 26 dBm(2.4GHz) ≤ 25 dBm(5GHz) country-specific restrictions apply Myamar/Thailand: 2400~2483.5MHz ≤ 20dBm 5150~5350MHz ≤ 23dBm 5470~5850MHz ≤ 25dBm
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	2.4 GHz: 20/40 MHz 5 GHz: 20/40/80 MHz
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: 2.400 GHz to 2.483 GHz 802.11a/n/ac: 5.150 GHz to 5.350 GHz 802.11a/n/ac/ax: 5.470 to 5.725 GHz , 5.725 to 5.850 GHz 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: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
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	4 kV
MTBF	>250000H

Antenna Schematic

Order Information

Order Information of the Product		
Model	Description	Remarks
RG-RAP6262(G)	802.11AX-compliance Wi-Fi 6 high-power outdoor omnidirectional dual-band access point, with built-in high-gain omnidirectional antennas, providing a maximum access rate of 574 Mbps + 1201 Mbps, supporting both DC power supply and PoE power supply (DC power adapter or PoE power supply module needs to be purchased separately).	Mandatory