ComX Computers
Product Specification Sheet

RG-RAP2200G

Reyee Dual Band AC Gigabir Wave 2 ceiling Mount Access Point

Product Overview

Reyee Dual Band AC Gigabit Wave 2 ceiling Mount Access Point, RG-RAP2200(E), Dual-stream Dual-Band, Concurrent 802.11ac WAVE2 / WAVE1 / 802.11a/b/g/n, Up to 400 Mbps at 2.4g, Up to 867 Mbps at 5G, 2x 10/100/1000Base-T Ethernet ports

Specifications

Overview:

Reyee's RG-RAP2200G is an 802.11ac dual-band ceiling mount access point featuring MU-MIMO Wave 2 technology, dual Gigabit Ethernet ports, seamless roaming and speeds up of up to 1267Mbps. It supports Ruijies smart networking feature, which with Ruijie's free cloud service allows users to quickly and easily auto-provision, deploy and manage devices remotely. Use the Reyee auto-discovery feature or scan the QR code using the mobile application to easily add devices to new or existing projects via the cloud.

Features:

Ruijie Reyee Series RG-RAP2200 Series dual-band ceiling mount AP is a high-performance ceiling mount AP for indoor large-area Wi-Fi coverage scenarios. The device supports 802.3af/at PoE and 12V DC local power supply. The dual LAN ports design facilitates the expansion of third-party devices to meet the needs of more networking scenarios. Compliant with

802.11a/b/g/n/ac Wave1/Wave2 Wi-Fi protocol, RG-RAP2200 supports MU-MIMO dual-stream technology and offers built-in omnidirectional antennas. It can operate concurrently at 2.4GHz and 5GHz, providing high-speed wireless access of 400Mbps at 2.4GHz, 867Mbps at 5GHz and up to 1267Mbps per AP. Its coverage of over 20 meters makes it an ideal choice for many wireless scenarios, especially in offices, commercial industry, hotels, service scenarios, etc.

The industrial product design, iconic edges and breathing light makes the product more recognizable. Adopting the non-directional installation design, the new mounting kits support various installation methods including on desktop, ceiling, wall, and pole, which improves the versatility of installation, simplifies the installation steps, reduces the installation difficulty, and greatly improves the installation experience of the device.

RG-RAP2200 Series supports Ruijies self-developed smart networking feature. With the Ruijie Cloud app, users can quickly complete the device deployment and configuration, remote management, operation and maintenance of the entire network, which greatly reduces the investment of equipment cost, labor cost and time cost in the process of wireless network construction.

Users can perform comprehensive local management or remote management of the equipment in the entire network via the Ruijie Cloud app, equipment EWEB management, Ruijie Cloud platform, etc. Users can also share the network to third party for network hosting and collaborative management, thereby achieving simpler, easier to use, more secure and convenient enterprise network operation and maintenance.

- 802.11ac Wave2 technology
- Auto-provisioning via Self-Organizing Network:Supports Ruijies self-developed smart networking feature, which breaks through the product limitations and realizes auto-discovery, auto-networking and auto-configuration between gateways, switches, and wireless APs without the need for controllers or Internet access;
- Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimizing and maintenance on Ruijie Cloud App;
- More LAN Port: Two LAN interfaces are provided to support more services;
- Seamless layer 3 roaming
- Industrial Design: Robust casing, Provide better strength and safety for products;

Specifications:

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Specifications	
Product Code	RG-RAP2200G
Model	RG-RAP2200(E)
Hardware specifications	
Radio	Dual-stream dual-band
Protocol	Concurrent 802.11ac wave2, wave1, 802.11a/b/g/n
Operating Bands	802.11b/g/n : 2.4G ~ 2.4835GHz
	802.11a/n/ac : 5G : 5.150~5.250GHz, 5.725~5.850GHz (country specific)
Antenna	Internal antennas(2.4G: 2dBi, 5G: 2dBi)
Spatial Streams	2.4G 2x2MIMO 5G 2x2MIMO

Max Throughput	Up to 400Mbps at 2.4G
	Up to 867Mbps at 5G
	1.267Gbp per AP
Modulation	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps
	DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps
	MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM and 256QAM
Receive Sensitivity	11b: -91dBm (1Mbps), -88dBm (5Mbps), -85dBm (11Mbps)
	11a/g: -89dBm (6Mbps), -80dBm (24Mbps), -76dBm (36Mbps), -71dBm (54Mbps)
	11n: -83dBm@MCS0, -65dBm@MCS7, -83dBm@MCS8, -65dBm@MCS15
	11ac HT20: -83dBm (MCS0), -57dBm (MCS9)
	11ac HT40: -79dBm (MCS0), -57dBm (MCS9)
	11ac HT80: -76dBm (MCS0), -51dBm (MCS9)
Maximum Transmit Power	5.725~5.850GHz : <=20dBm (EIRP)
	5.150~5.250GHz : <=20dBm (EIRP)
	2.4~2.4835GHz : <=20dBm (EIRP)
Adjustable Power	1dBm
Dimensions	194mmx194mmx35mm (excluding mounting kits)
Weight	0.45kg (excluding mounting kits)
Service Ports	2 10/100/1000Base-T Ethernet ports, PoE/LAN1 port supports PoE
Management Port	NA
LED Indicator	NA
Power Supply	Single indicator (green light)
Power Consumption	Local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory)
	802.3af/802.3at PoE
Environment	<= 12.95W
	Operating temperature: 0 degreesC~40 degreesC
	Storage temperature: -40 degreesC~70 degreesC
	Operating humidity: 5%~95%(non-condensing)
Installation	Storage humidity: 5%~95%(non-condensing)
Safety Standard	GB4943, IEC 62368-1
EMC Standard	GB9254, EN301 489, EN50155, EN50121, EN55032, EN61000, EN55035
Vibration Standard	IEC61373
Radio Standard	EN300 328, EN301 893
MTBF	>250000H
Software Features	
Operating Mode	AP mode and routing mode

WLAN	Maximum number of clients: 110
	Recommended number of clients: 80 (16 at 2.4GHz, 64 at 5GHz)
	Up to 8 SSIDs
	Support SSID hiding
	Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID
	SSID-based and radio-based STA limit
	Support Layer 2 user isolation
Roaming	Support Layer 2 and Layer 3 roaming
Security	Support PSK authentication
	Support static blacklist and whitelist
	Support WPA (TKIP), WPA2 (AES), and WPA-PSK data encryption
Routing	Support static IP address, DHCP, PPPoE Dial Up
Management and maintenance	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	Automatic RF adjustment via the platform
	Unified configuration via the platform
	Unified monitoring via the platform

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/RG-RAP2200G-Reyee-Dual-Band-AC-Gigabir-Wave-2-ceiling-Buy-p-254169.php

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