

RG-RAP6262(G)

Wi-Fi 6 AX1800 Outdoor Omni-directional Access Point

DATASHEET

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Highlights

- 'UFO' Design, A Perfect Blend of Wi-Fi 6 Technology And Artwork
- IP68 protection, rock-solid in harsh environments
- Omni-directional coverage with long range
- Easily add extra outdoor Wi-Fi with ReYee AP Mesh
- Rack-separated mounting design, easily installation

Specifications

Model		RG-RAP6262(G)
Hardware Specifications		
Wi-Fi Protocols	5 GHz	Wi-Fi 4: IEEE 802.11a/n Wi-Fi 5: IEEE 802.11ac Wave2 Wi-Fi 6: IEEE 802.11ax
	2.4 GHz	Wi-Fi 4:IEEE 802.11b/g/n Wi-Fi 6:IEEE 802.11ax
Operating Frequency Bands (country-specific restrictions apply)	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
Spatial Streams	5 GHz	2 spatial streams, 2x2 MIMO
	2.4 GHz	2 spatial streams, 2x2 MIMO
Antenna	Omni-directional	Yes
	5 GHz Antenna Gain	3.0dBi
	2.4 GHz Antenna Gain	3.0dBi
Channel Width	5 GHz	Auto/20/40/80 MHz
	2.4 GHz	Auto/20/40 MHz
Data Rate	Max Throughput	1774Mbps
	5 GHz	1201Mbps
	2.4 GHz	573Mbps
Max. Transmit Power	5 GHz	≤316mW(25dBm)
	2.4 GHz	≤400mW(26dBm)
Wi-Fi Coverage	Optimal Coverage	N/A
	Max. Wi-Fi Coverage Range (6 GHz)	N/A
	Max. Wi-Fi Coverage Range (5 GHz)	300m
	Max. Wi-Fi Coverage Range (2.4 GHz)	100m

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Modulation	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 and 1024QAM OFDMA
Receiver Sensitivity	Receiver Sensitivity	11b: -91 dBm(1Mbps), -88 dBm(5.5Mbps), -85 dBm(11Mbps) 11a/g: -89 dBm(6Mbps), -80 dBm(24Mbps), -76 dBm(36Mbps), -71 dBm(54Mbps) 11n: -83 dBm(MCS0), -65 dBm(MCS7), -83 dBm(MCS8), -65 dBm(MCS15) 11ac: 20MHz: -83 dBm(MCS0), -57 dBm(MCS9) 11ac: 40MHz: -79 dBm(MCS0), -57 dBm(MCS9) 11ac: 80MHz: -76 dBm(MCS0), -51 dBm(MCS9) 11ax: 20MHz: -85 dBm(MCS0), -58 dBm(MCS11) 11ax: 40MHz: -82 dBm(MCS0), -54 dBm(MCS11) 11ax: 80MHz: -79 dBm(MCS0), -52 dBm(MCS11)
Dimensions (W x D x H)	Dimensions (excluding mounting kits)	200 mm × 220 mm × 166 mm (7.87 in. x 8.66 in. x 6.54 in.)
Weight	excluding mounting kits	≤ 1.2 kg (2.65 lbs.)
Service Ports	Number of 10/100/1000BAS E-T Ports	2 (supports 802.3at PoE)
	Number of 10/100/1000/2500BASE-T Ports	0
	Number of 1 Gbps Optical Ports (SFP)	0
Power Supply	DC(Local Power)	Yes(12V/1.5A)
	DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
	802.3af	No
	802.3at	Yes
	802.3bt	N/A
	48 V passive PoE	N/A

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Hardware Specifications		
PoE Out	Max. PoE Wattage by PSE	No
Power Consumption	Power Consumption	< 18W
Power Adapter	Power Adapter	No
Buttons	Button	1 × Factory reset
LEDs	LEDs	1 × System LED indicator 1 × Wi-Fi LED indicator 1 × LAN1 LED indicator 1 × LAN2 LED indicator
Environment	Operating Temperature	-30°C to +65°C (-22°F to +149°F)
	Storage Temperature	-40°C to +85°C (-40°F to +185°F)
	Operating Humidity	0% to 100% (non-condensing)
	Storage Humidity	0% to 100% (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	IP68
	Lightning Protection/ Surge	±4 kV
Software Specifications		
Operating Mode (AP Mode and Router Mode)	Router Mode	Yes
	AP Mode	Yes
WLAN	Recommended Number of Clients	11ax STA: 16(2.4G)+84(5G)=100 11ac STA: 16(2.4G)+64(5G)=80

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Software Specifications		
WLAN	Max. Number of SSIDs	8
	Radio-based STA Limit	Yes
	Layer 2 Client Isolation	Yes
	OFDMA Subcarrier	Yes
	OFDMA	Yes
	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
Roaming	802.11k/v	Yes
	802.11r	Yes
	Layer 2 Roaming	Yes
	Layer 3 Roaming	Yes
	AI Roaming	Yes
Security	PSK Authentication	Yes
	Static Blocklist and Allowlist	Yes
	WPA (TKIP), WPA2 (AES), and WPA-PSK	Yes

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Software Specifications		
Security	OWE (Enhanced Open) WPA3-SAE WPA2-PSK/WPA3-SAE	Yes
	802.1X	Yes
	ARP Check	No
	IP Source Guard	No
	LLDP	No
	Static ARP Binding	Yes
	Proxy ARP	No
	Ping	Yes
	Traceroute	Yes
Routing	NAT	Yes
	Static IP Address	Yes
	DHCP Server	Yes
	PPPoE Client PPPoE Dial-up	Yes
AP Mesh	Mesh Management	Yes
	Reyee Mesh	Yes
Standalone Portal	Captive Portal	Yes
	Bandwidth Limit	Yes
	Data Quota	No

Specifications

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Software Specifications		
Management and Maintenance	Default Access/Password	Yes
	No. of APs on a Self-Organizing Network	300
	Unified Networking for All Network Equipment	Yes
	Local or Remote Management via Ruijie Reyee App	Yes
	Local Management via the Web Interface	Yes
	Remote Management via Ruijie Cloud	Yes
	SNMP	Yes
Platform Management Features	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
Others		
Flash	Flash	16MB
Memory	Memory	256MB
Color of AP Enclosure	Color of AP Enclosure	Warm White

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