

# RG-AP820-L(V2) Wireless Access Point



**Kode** : RG-AP820-L(V2)  
**Kategori** : Ruijie  
**Harga** : Rp 1.728.000,00

RG-AP820-L(V2) is the Ruijie's highest price-performance entry Wi-Fi 6 enterprise indoor access point. Certified by Tolly's latest Test Report1, the RG-AP820-L(V2) verified on user capacity upto 1024 Wi-Fi clients, and provide upto 65% higher total throughput in legacy Wi-Fi 5 environment.

The Ruijie RG-AP820-L(V2) supports selectable dual-band dual-radio (2.4G + 5G or 5G+5G) mode to guarantee for the best compatibility and highest performance. The RG-AP820-L(V2) fully comply with Wi-Fi 6 OFDMA Modulation, MU-MIMO, and BSS Color Spatial Reuse, allowing RG-AP820-L(V2) guarantees minimal signal interference and a maximum of 1024 client connections.



## Specification

<b>Model</b>	RG-AP820-L(V2)
<b>Hardware specifications</b>	
<b>Radio</b>	Dual-radio dual-band : Radio 1: 2.4G 11ax/5G 11ax: 2x2 MIMO Radio 2: 5G 11ax: 2x2 MIMO
<b>Protocol</b>	Supports standard 802.11ax, dual-radio dual-band, concurrent 802.11ax and 802.11a/b/g/n/ac

<b>Operating Bands</b>	802.11b/g/n/ax : 2.4G ~ 2.483GHz 802.11a/n/ac/ax : 5.150 ~ 5.350GHz, 5.47 ~ 5.725GHz, 5.725 ~ 5.850GHz (vary depending on different countries)
<b>Spatial Streams</b>	Up to 4: 2x2:2 in 2.4GHz , 2x2:2 in 5GHz
<b>Max Throughput</b>	Maximum throughput (5G+5G mode) per AP: 2.4Gbps Radio1 : 5G low band 1.2Gbps Radio2 : 5G high band 1.2Gbps 2.4G+5G operation mode, maximum throughput per AP: 1.775Gbps Radio1 : 2.4G 0.574Gbps Radio2 : 5G 1.2Gbps
<b>Modulation</b>	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, 256QAM and 1024QAM OFDMA (up to 1024-QAM)
<b>Receiver Sensitivity</b>	11b : -96dBm(1Mbps), -93dBm(5Mbps), -89dBm(11Mbps) 11a/g : -91dBm(6Mbps), -85dBm(24Mbps), -80dBm(36Mbps), -74dBm(54Mbps) 11n : -90dBm(MCS0), -70dBm(MCS7), -89dBm(MCS8), -68dBm(MCS15) 11ac HT20 : -88dBm(MCS0), -63dBm(MCS9) 11ac HT40 : -85dBm(MCS0), -60dBm(MCS9) 11ac HT80 : -82dBm(MCS0), -57dBm(MCS9) 11ax HT80 : -82dBm(MCS0), -57dBm(MCS9), -52dBm(MCS11)
<b>Antenna</b>	Integrated antenna design
<b>Antenna Gain</b>	2.4G: 3dBi 5G: 3dBi
<b>Service Ports</b>	1 10/100/1000M Ethernet ports, PoE In
<b>Management Port</b>	1 console port
<b>Reset Button</b>	Support
<b>Anti-theft Lock</b>	Support
<b>LED Indicator</b>	1 LED indicator (Support red, green, blue, orange and flashing mode, which indicates device access)
<b>Transmit Power</b>	≤100mw (20dBm) (vary depending on different countries)
<b>Adjustable Power</b>	1dBm
<b>Power Supply</b>	Local power supply (DC 48V/1A) (DC Power adapters should be purchased from third-party vendors separately if needed) PoE (802.3af) - full spectrum operation
<b>Power Consumption</b>	< 12.95W
<b>Physical Specifications</b>	
<b>Temperature</b>	Operating Temperature: -10°C to 50°C Storage Temperature: -40°C to 70°C
<b>Humidity</b>	Operating Humidity: 5% to 95% (non-condensing) Storage Humidity: 5% to 95% (non-condensing)
<b>Installation Mode</b>	Ceiling/wall-mountable
<b>Dimensions(WxDxH)</b>	153mm x193mm x26mm (Height of the AP only, excluding the mount kit)
<b>Weight</b>	≤0.5kg (include mount kit)
<b>IP Rating</b>	IP41
<b>MTBF</b>	250,000 hours
<b>Certifications and Compliance</b>	
<b>Wi-Fi Alliance</b>	· Wi-Fi CERTIFIED™ a, b, g, n, ac · Wi-Fi CERTIFIED 6™ · WPA3™-Enterprise, Personal · Wi-Fi Enhanced Open™ · Wi-Fi Agile Multiband™ · WMM®
<b>Safety Standard</b>	GB4943, EN/IEC 62368-1
<b>EMC Standard</b>	GB9254, EN301 489
<b>Radio Standard</b>	SRRC, EN300 328, EN301 893

<b>WLAN</b>	Maximum clients per AP	1024 (Recommended Client: 64)
	BSSID capacity	Up to 32
	SSID hiding	Support
	5G Priority (Band Steering)	Support
	Configuring the authentication mode, encryption mechanism and VLAN attributes for each SSID	Support
	Remote Intelligent Perception Technology (RIPT)	Support
	Intelligent device recognition technology	Support
	Intelligent load balancing based on the number of users or traffic	Support
	STA control	SSID/radio-based
	Bandwidth control	STA/SSID/AP-based bandwidth control
	Data encryption	WPA (TKIP), WPA-PSK, WPA2 (AES), WPA3, WEP (64/128 bits)
	PSK and web authentication	Support
	PPSK authentication (For Employee)	Support (require wireless controller)
	802.1x authentication	Support
	PEAP authentication	Support
	Data frame filtering	Whitelist, static/dynamic blacklist
	User isolation	Support
	Rogue AP detection and countermeasure	Support
	Dynamic ACL assignment	Support
	RADIUS	Support
CPU Protection Policy (CPP)	Support	
Network Foundation Protection Policy (NFPP)	Support	
<b>IP</b>	IPv4 and IPv6 address	Support
	Multicast routing	Multicast to unicast conversion
	DHCP service	DHCP Snooping, Option 82, Server, Client
<b>Management and Maintenance</b>	Supported wireless LAN controllers	Ruijie WS Series Wireless Controller Ruijie MACC-Base Software Controller Ruijie Cloud (Public Cloud)
	Management protocol	Telnet, SSH, TFTP, Web
	Wireless Intelligent AI Optimization Service (WIS)	Support
	SNMP	SNMPV1,V2c,V3
	LLDP	LLDP, LLDP-MED, LLDP-POE
	Syslog / Debug	Support
FAT/FIT/MACC mode switching	Factory default firmware supports FAT (standalone) or FIT mode (WS controller) or MACC mode (Ruijie MACC-Base or Ruijie Cloud) management	

[Download Datasheet](#)

\* Harga, spesifikasi, dan ketersediaan bisa berubah dan tidak mengikat

**URL :** <https://www.citraweb.com/produk/938/>

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