

# Ruijie SME Wall AP

RG-AP130(L) / RG-AP110-L



**Ruijie Networks Co., Ltd.**

For further information, please visit our website <https://www.ruijienetworks.com>

# Product Overview

Ruijie SME Series Wall AP (included AP130(L) and AP110-L) are designed for wireless deployment in hotels, offices, residential buildings and settings alike. The wall-mountable AP has the same size as a standard 86-type faceplate with integrated Ethernet and voice ports. Featuring a concise design and easy deployment, the AP enables zero disruption to the interior finishes and offers the best solution for scenarios with delicate interior design.

The dual-radio, dual-band AP supports concurrent operation of 802.11a/n/ac and 802.11b/g/n. AP130(L) provides 4 10/100Mbps RJ-45 ports and 1 RJ-45 Voice/PoE pass-through port (RJ-11 combo), and AP110(L) provides 1 10/100Mbps RJ-45 ports and 1 rear 10/100Mbps RJ-45 Uplink (PoE), delivering optimal wireless network coverage and cost protection with additional wired network interfaces and voice ports.



RG-AP130(L)



RG-AP110-L

## Highlights

- Lifetime FREE Cloud Management
- Fast and Easy WiFi Deployment
- Reuse Existing Cabling Structure for Investment Protection
- Hidden Lighting Design (No Guest Interruption)
- Replaceable Cover with 4 Color Options (AP130(L) Model)

# Product Features

## Enterprise Experience for SME

### Free Ruijie Cloud

A free public cloud services from Ruijie to provide a centralized device management platform for SME customer. It provides single pane of glass to deploy, manage & optimize your wired and wireless equipment without need of specialized IT staff.

Ruijie Cloud also offers an integrated mobile APP to help you deploy and monitor your network on-the-go.



All Ruijie SME AP enjoy Lifetime FREE Enterprise Cloud Management Service

### 3-Year Warranty Support

Ruijie's SME products are all bundled with an exclusive 3-year product warranty free of charge. Ruijie customers can also enjoy the complimentary professional online support which is staffed with Ruijie certified experts to respond to your problems efficiently.

## High-performance 802.11ac Wall AP

The Ruijie RG-AP130 Series Wall AP adopts a dual-radio, dual-band design and supports concurrent operation of 802.11a/n/ac and 802.11b/g/n. AP130(L) provides 4 10/100Mbps RJ-45 ports and 1 RJ-45 transparent Voice/PoE pass-through port (RJ-11 combo). AP130(W2) provides 4 1000Mbps or 100Mbps RJ-45 ports and 1 RJ-45 transparent Voice/PoE pass-through port (RJ-11 combo). The AP on the rear also offers 1 1000Mbps uplink port and 1 RJ-45 transparent pass-through port (RJ-11 combo). The dual-band 2.4G and 5G coverage can achieve a concurrent coverage supporting 2 spatial streams, providing an unparalleled network experience.

## Easy and Fast Deployment

The Ruijie SME Series Wall AP adopts a wall-mounted design with 2-step easy deployment:

Step 1: Remove the original 86-type faceplate from the wall.

Step 2: Directly install the plug-and-play Wall AP and connect with original UTP cable (PoE).

This breaks through traditional wireless network construction methods by reusing existing network cables and minimizes the impact of network construction on hotel or similar settings. As no additional cabling is required, the Wall AP delivers maximum business agility and investment protection. Ruijie also offers a wide range of optional accessories to meet your unique deployment needs.

### Difficult to lay cable?



### How to install AP in room?

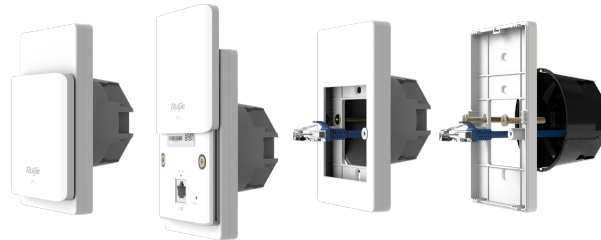
Traditional challenges on laying additional cabling for AP installation



RG-AP110-L with only 85mm Width, easy for installation between other outlet sockets

## Universal Compatible

The RG-AP110-L Wall AP provide an option of Universal Mount Kit for non-UK standard countries, such as S. Korea, Japan, Philippines, Europe, Russia, United States, etc.. (The universal mount kit sold separately)



RG-AP110-L Universal Mount Kit Installation on EU/Russia Junction Box



RG-AP110-L Universal Mount Kit Installation on US Junction Box

## Hidden Lighting Design (No Guest Interruption)

Comfort is the MUST for guest relaxation. Traditional Wall AP with LED Status Indicator for engineer installation & troubleshooting use, the but light and LED status flashing will make disturbance on guest sleeping.

All Ruijie SME Wall AP (including AP130(L) and AP110-L) designed with coverable plate, make guarantee for the guest comfortability.



## Stylish Casing in Different Colors

The RG-AP130 Series Wall AP offers a collection of colorful covers to accommodate various interior design styles. You can select the best fit from gold, white, black and silver. (AP130-L default shipment with white color plate)



## Full Signal Coverage

Traditional APs are installed in corridors and the indoor network signals are weak or even completely degenerated after wall penetration. The RG-AP130 Wall AP, on the other hand, can be installed inside the room and hence ensures full coverage anywhere for the best user experience of voice, video or Internet browsing.

## Flexible Hybrid Management

Ruijie AP offers the flexibility for SME to choose the mode of management. There are 3 different management modes for selection. For the Ruijie Cloud option, no extra cost or firmware upgrade is required, which saves company expenses and time.



### Selection between Ruijie Cloud and Hardware Controller

In some cases, a local on-premise wireless controller is required due to some business requirement. Ruijie SME AP allows the flexibility according to customer preference, the AP can be either managed by Ruijie Cloud or on-premise wireless controller.

Category	Ruijie Cloud	Hardware Controller
Application Scenarios	SME, Retail, Boutique Hotel	Enterprise, High Density Wi-Fi
Deployment Mode	Cloud-based (Zero Provisioning)	On-premises Hardware
Pricing Model	FREE <sup>1</sup>	Sold Separately
Managed Devices	Unlimited	Varies by Hardware Model
Device Management	AP /Switches/Gateway <sup>2</sup>	AP only
RF Optimization	Basic	Advanced (WIS)
Roaming	Yes	Yes
Mobile Operation	Yes	Yes
Captive Portal	Yes	Yes

Ruijie Cloud and Hardware AC Comparison

## Industry-leading Double Security Designs

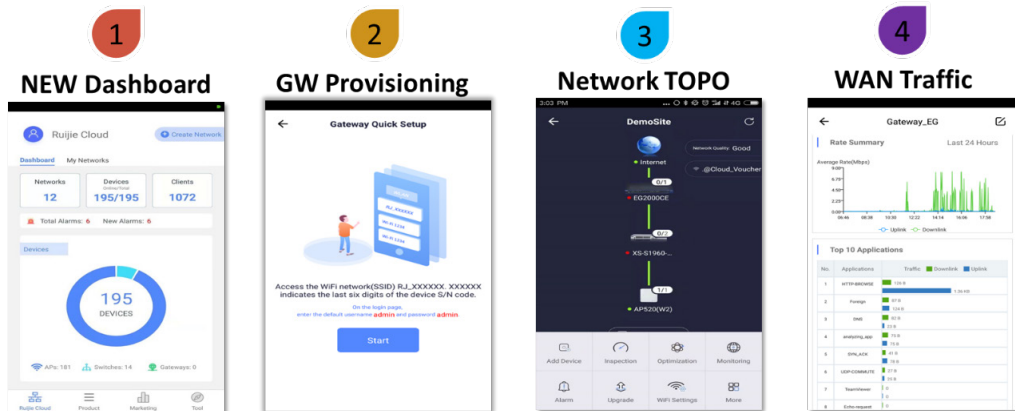
Ruijie SME Wall AP is manufactured using qualified ABS+PC materials, offering superior shock, pressure and temperature resistance for secure deployment. The specially designed screw protects the AP from malicious damage or theft. The Wall AP and color case also guard against theft with a unique security key. The administrator can manage all the APs using one security key with ease.

## User Access Control

Ruijie SME Wall AP supports a broad library of user authentication methods such as Web, 802.1x, MAC address, and local authentication for customers' choice. It also supports Ruijie's end-to-end BYOD (Bring Your Own Device) Solution, complies with a standard access control system, and strictly defines access control policies in terms of user access, authorization, host compliance check, network behavior monitoring, and network threat defense. All these control measures ensure that users are authenticated before accessing a network and securely enjoy network services.

## Mobile Operation On-The-Go

Ruijie Cloud offers an innovative breakthrough which allows device operation and management from your smartphones at your fingertips. Now you can monitor your Wi-Fi user experience, traffic and client analysis anytime and anywhere. An alarm notification will be pushed to your smartphone if there's device issue found in your network. It helps SME business to know and understand the real time situation of Wi-Fi network.



Monitoring Wi-Fi Networking on your fingertips

# Technical Specifications

		RG-AP130(L)	RG-AP110-L
Target Deployments		For wireless deployment in hotels, offices, residential buildings	
Basic Specifications	Radio	Concurrent dual-radio dual-band	Single band
	Protocol	802.11a/b/g/n/ac	802.11b/g/n
	Operating Bands	2.4GHz and 5GHz	2.4GHz
	Antenna	Built-in omnidirectional antenna (Base gain 3.5dBi) 2 × 2 MIMO	Built-in omnidirectional antenna 2x2
	Max Throughput	1.167Gbps	300Mbps
	Spatial Streams	2	2
IP Rating		IP41	
Ports	Service Port	Front: 4 10/100M Ethernet ports Side: 1 RJ-45 pass-through port (RJ-11 combo) Rear: 1 10/100/1000M uplink port 1 RJ-45 pass-through port (RJ-11 combo)	Front: 1 10/100M Ethernet LAN port Rear: 1 10/100M Uplink port Supports 802.3af PoE
Power	Power Supply	PoE (802.3af)	
	Power Consumption	<8W	<5W
WLAN	Maximum clients per AP	32	
	BSSID capacity	16	8
	SSID hiding	Support	
	Configuring the authentication mode. Encryption mechanism and VLAN attributes for each SSID	Support	
	Remote Intelligent Perception Technology (RIPT)	Support	

WLAN	Intelligent load balancing based on the number of users or traffic	Support	
	STA control	SSID/radio-based	
	Bandwidth control	STA/SSID/AP-based speed control	
	Band Steering (5G Priority)	Support	N/A
	Dynamic Frequency Selection(DFS)	Future release support	
Security	PSK, Web, and 802.1x authentication	Support	
	Data encryption	WPA (TKIP), WPA2 (AES), WPA-PSK, and WEP (64 or 128 bits)	
	QR code authentication	Support	
	SMS 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	
	Wireless Intrusion Detection System(WIDS)	Support	
	Wireless Intrusion Prevention System (WIPS)	Support	



Routing	IPv4 address	Static IP address or DHCP reservation	
	IPv6 address	N/A	
	Multicast	Multicast to unicast conversion	
Management and Maintenance	Network management	SNMP v1/v2C/v3, Telnet, TFTP, FTP and Web management	
	Fault detection and alarm	Support	
	Cloud AC management	Support	
	Statistics and logs	Support	
External Characteristics	Lock	Standard: Anti-theft screws and ordinary screws Optional: Lock and key	N/A
	LED Indicators	1 LED status indicator	
Relevant Standard	Wi-Fi Alliance Certification	Support	
	Safety Standard	GB4943, EN/IEC 60950-1	
	EMC Standard	GB9254, EN301 489	
	Health Standard	EN 62311	
	Radio Standard	EN300 328, EN301 893	
	Vibration Standard	IEC60068 - 2-31, ETSI EN300 019, NEBS GR-63-CORE	
Specifications	Dimensions (W x D x H) (mm)	116 × 86 × 42	86 x 85 x 34
	Weight	0.23kg	0.1KG
Work Environment	Temperature	Operating Temperature: -10° C to 45° C	Operating Temperature: 0° C to 40° C
		Storage Temperature: -40° C to 70° C	
	Humidity	Operating Humidity: 10% to 95% (non-condensing)	Operating Humidity: 5% to 95% (non-condensing)
		Storage Humidity: 5% to 95% (non-condensing)	
Installation Mode		Standard 86-type faceplate installation	Compatible with UK/US/EU Junction box *Universal Mount Kit need to purchase separately for US/EU junction box

# Typical Applications

## ECO Hotel/ Villa

Ruijie SME Wall AP series is designed for the simplicity and ease of use application in many SME scenarios especially for Economic/Budget Hotel and Villa.

### Challenges:

- Unstable WiFi: Every week need to restart
- Customer loss due to BAD WiFi comment
- Budget only enough for SOHO branding

### Our Solutions:



Dummy App Provisioning



All-in-one Gateway

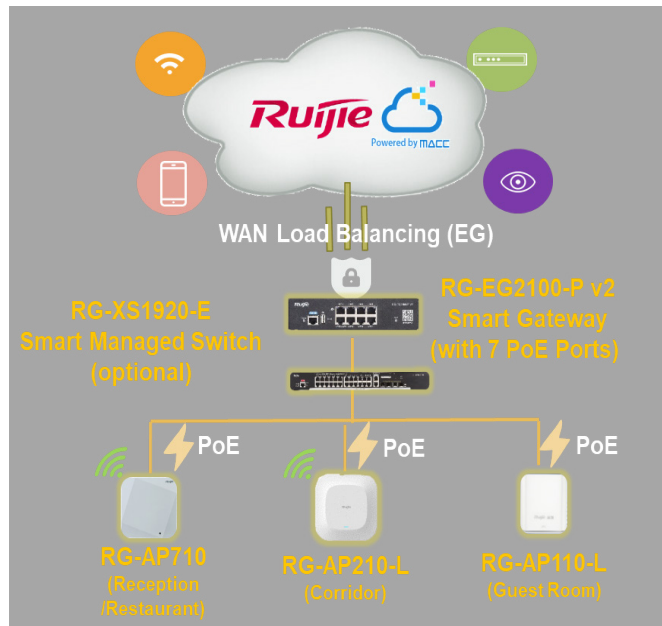


One-stop Solution



FREE Cloud Management

We help SME to streamline the IT operational efficiency, reduce the Wi-Fi deployment complexity with a cost-effective approach. Ruijie Cloud Service is Ruijie's easy and efficient cloud solutions for chain stores, small and medium-sized businesses and boutique hotels. The solutions include equipment deployment, monitoring, network optimization and operational lifecycle management, enabling customers with simple plug-and-play deployment, operation and maintenance.



ECO Hotel/Villa Solution Topology

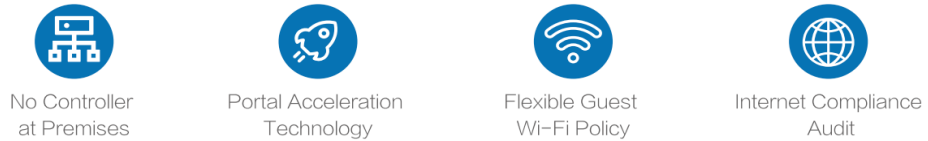
## Boutique Hotel Solution

Ruijie offers the “5-Star Guest Wi-Fi Experience” solution offering for Boutique Hotel. Ruijie understand Boutique Hotel customer have limited IT and Budget support, but they like many 5-Star grade hotel, guest experience is utmost important for business survival and accredit for good scoring at online hotel booking agency.

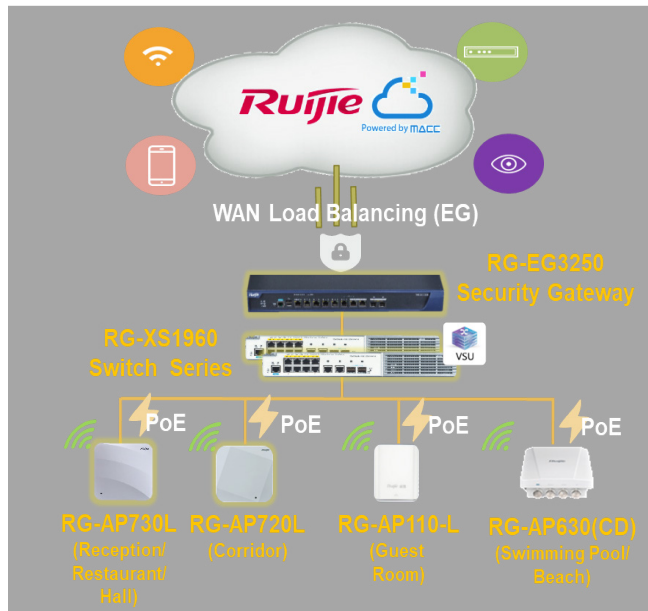
### Challenges:

- Dropping of Internet rating for bad guest Wi-Fi
- No dedicated IT team
- No money for enterprise-grade big brand

### Our Solutions:



Ruijie providing a comprehensive solution offering from scenario-based wireless access points, switches, and internet gateway. Taking advantages of Ruijie Cloud management, no separate controller required on customer-premises. Every guest room is recommended for one unit of AP110-L for best coverage, and AP730-L Tri-band Wave2 Access Point can be selected for high density wireless environment, of which one single AP730-L can support upto 768 clients. Together with Ruijie EG Security Gateway, the Boutique Hotel can enjoy stable and fast internet connectivity with flexible guest access control policy.



Boutique Hotel Solution Topology

# Ordering Information

Model	Description
RG-AP130(L)	Wall-mounted Wireless AP, standard size of 86-type faceplate, support concurrent 802.11a/n/ac and 802.11b/g/n, support 300Mbps@2.4GHz and 867Mbps@5GHz, 4 color plate cover options (white by default, minimum order quantity for black/silver/gold: 500 units), FAT/FIT mode, PoE power supply (PoE adapter sold separately)
RG-AP110-L	Wall-mounted Wireless AP, sliding cover design, standard size of 86-type faceplate, support concurrent 802.11b/g/n, support 300Mbps@2.4GHz, FAT/FIT mode, PoE power supply (PoE adapter sold separately)
Optional Accessories	
10*RG-AP130(W) (Black Cover)	Black color plate for AP130(W2) and AP130(L) (Qty: 10) (Minimum order quantity: 50 units)
10*RG-AP130(W) (Gold Cover)	Gold color plate for AP130(W2) and AP130(L) (Qty: 10) (Minimum order quantity: 50 units)
10*RG-AP130(W) (Silver Cover)	Silver color plate for AP130(W2) and AP130(L) (Qty: 10) (Minimum order quantity: 50 units)
RG-AP130(W) (Security Key)	Security key for AP130(W2) and AP130(L)
RG-AP130(W) (Lock Bar)	Lock bar for AP130(W2) and AP130(L)
RG-AP100-MNT	Universal Mount Kit (US/EU Junction Box) for AP110-L, 10 unit per set

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