



Ruijie Japan Cloud Service User Guide

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Audience


This manual is intended for:

- Network engineers
- Technical support and servicing engineers
- Network administrators

Obtaining Technical Assistance

- Ruijie Networks Website: <https://ruijie.co.jp/>
- Technical Support Website: <https://www.ruijie.co.jp/service>
- Inquiry&Repair: <https://www.ruijie.co.jp/service/post-sales>
- Technical Support Email: support_jp@ruijienetworks.com

Symbols

 Important information. Contains helpful suggestions or references.

 Use caution. Could result in equipment damage or data loss.

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1 Summary

Ruijie Japan 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 and operation and maintenance; meeting the needs for automatic cloud RF planning and user experience monitoring. At the same time, it provides flexible wireless user access control features.

2 Supported Browser

For browser, it is recommended to use the following versions or above.

Supported Browser	Version
Chrome	57.0.2987.133
Safari	10.1
Firefox	52.0.2

3 Addresses & Ports to be Permitted

Source IP	Destination	Src. port	Dst. port	Protocol	Description	Device using this rule
Your network	devicereg.ruijienetworks.com devreg.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud login server	Ap/AC/Switch/Gateway
Your network	cwmpsvr-japan.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud server	Ap/AC/Switch/Gateway
Your network	35.194.101.74 34.84.13.46	Any	10000-12000	TCP	Ruijie Cloud server establishes the tunnel connection with the gateway	Gateway
Your network	cwmpsvr-japan.ruijienetworks.com devicereg.ruijienetworks.com devreg.ruijienetworks.com	Any	3478, 3479,	UDP	Ruijie Cloud server delivers the CLI commands to the device	Ap/AC/Switch/Gateway
Your network	cdn-japan.ruijienetworks.com	Any	80, 443	TCP	Ruijie Cloud authentication server	STA
Your network	rylog-japan.ruijienetworks.com	Any	80, 443	TCP	Device log upload	AP,AC, Switch, Gateway

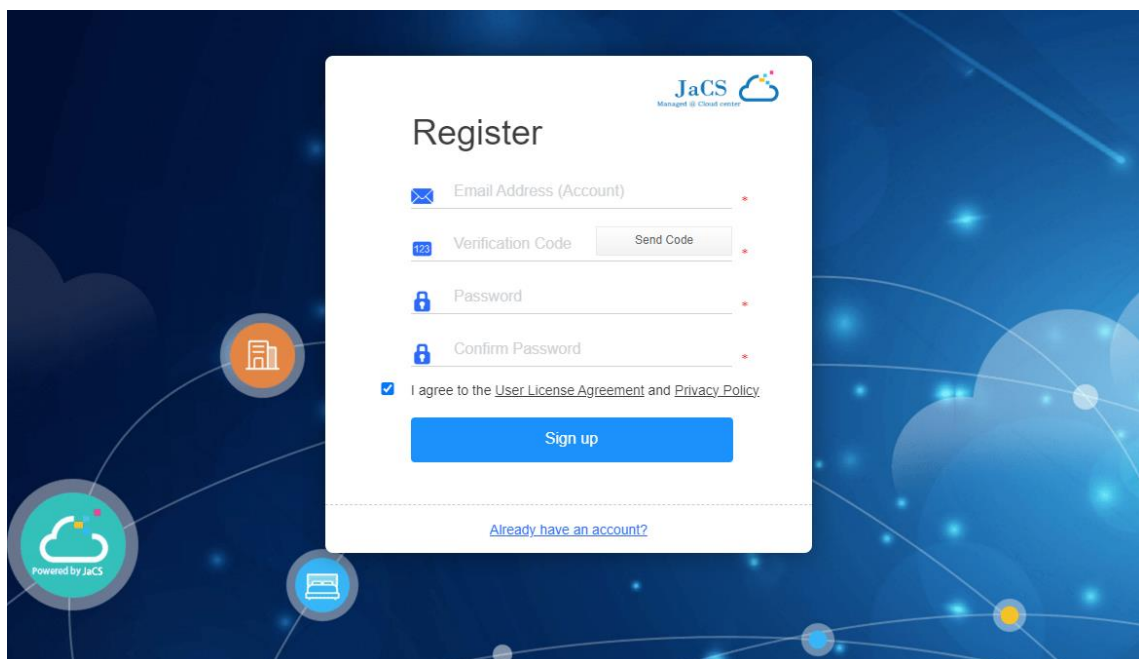
4 Register and Login

4.1 Register

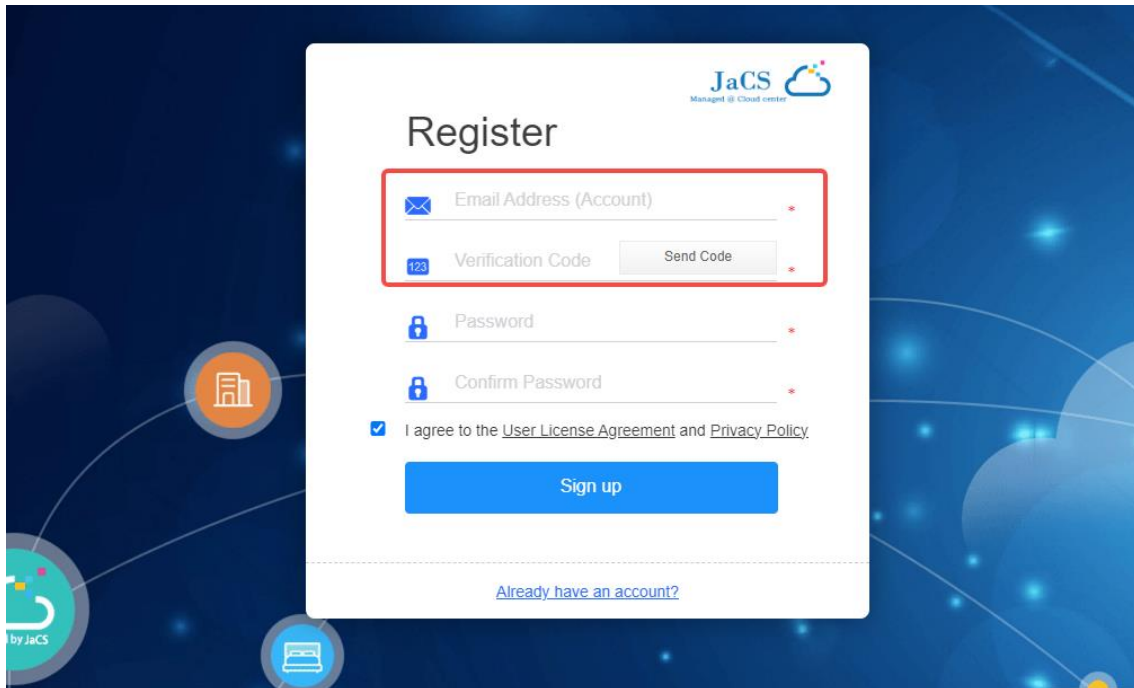
1. Visit <https://cloud-japan.ruijienetworks.com>.



2. Click **Sign up** to open the **Register** page.



3. Enter your Email address, click **Send Code**, and enter the verification code contained in the Email into the **Verification Code** box.



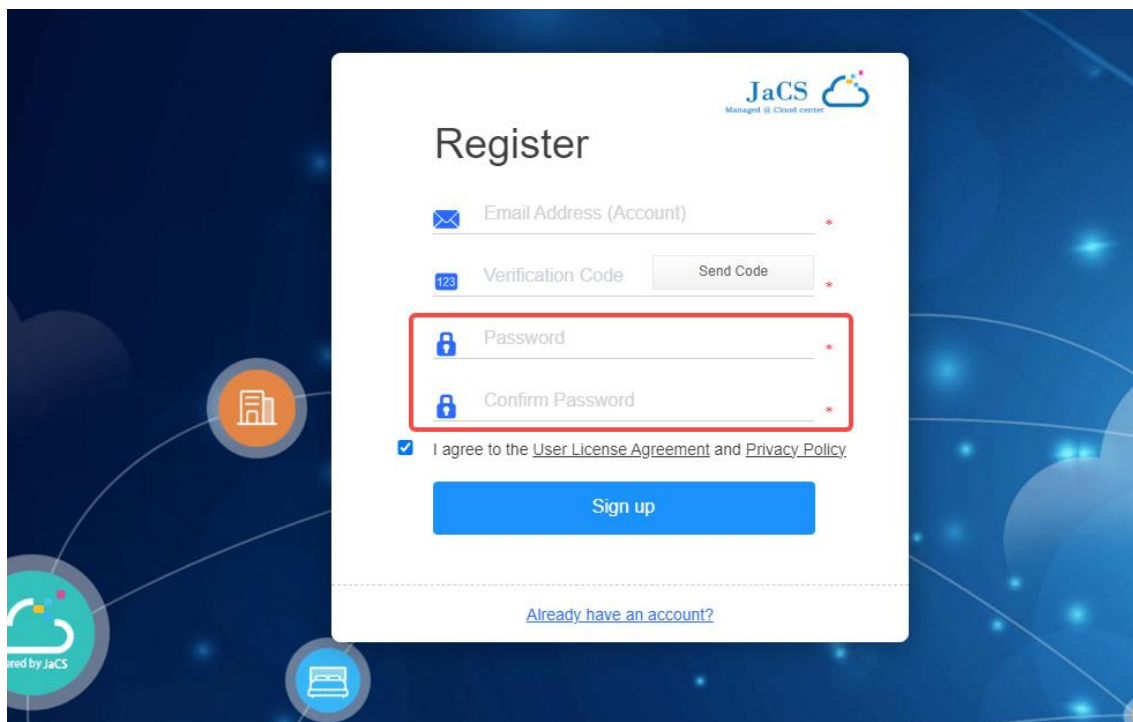
The image shows a 'Register' form for JaCS (Managed @ Cloud center). The form is titled 'Register' and features the JaCS logo. It includes the following fields and elements:

- Email Address (Account)**: A text input field with an envelope icon and a red asterisk.
- Verification Code**: A text input field with a '123' placeholder and a red asterisk.
- Send Code**: A button next to the Verification Code field.
- Password**: A text input field with a lock icon and a red asterisk.
- Confirm Password**: A text input field with a lock icon and a red asterisk.
- ☒ I agree to the [User License Agreement](#) and [Privacy Policy](#).
- Sign up**: A large blue button.
- [Already have an account?](#): A link at the bottom.


A red rectangular box highlights the 'Email Address (Account)' and 'Verification Code' fields, along with the 'Send Code' button.

i One email address can be registered once only.

4. Enter and confirm the password.



The image shows the same 'Register' form for JaCS. In this step, a red rectangular box highlights the 'Password' and 'Confirm Password' fields, indicating where the user should enter and confirm their password.

-  The password should be a combination of two or more items among numbers, letters and special characters in the length of 5 to 12 characters. Space is not supported.

- Fill in the rest required information and click **Sign up**. If your information is verified and saved, the registration succeeds.

4.2 Login

- Visit <https://cloud-japan.ruijienetworks.com>.



- Enter your username and password, and click **Login**. After the information is verified, you can access the system.

4.3 Trial Account

- Click **Trial Account** to experience Ruijie JaCS under the guide without registering accounts.

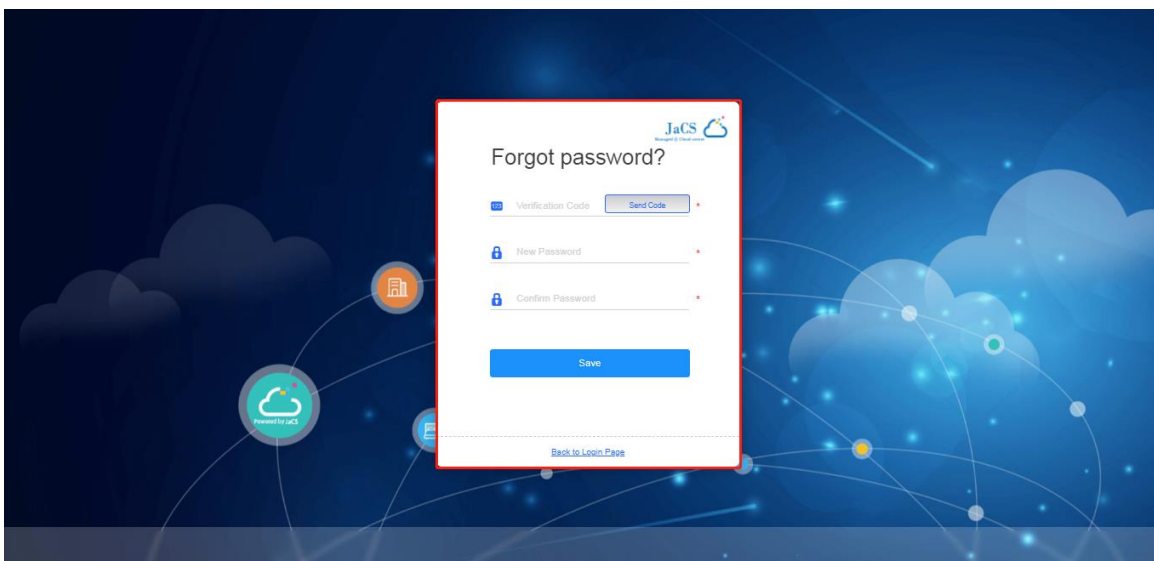


4.4 Forgot Password

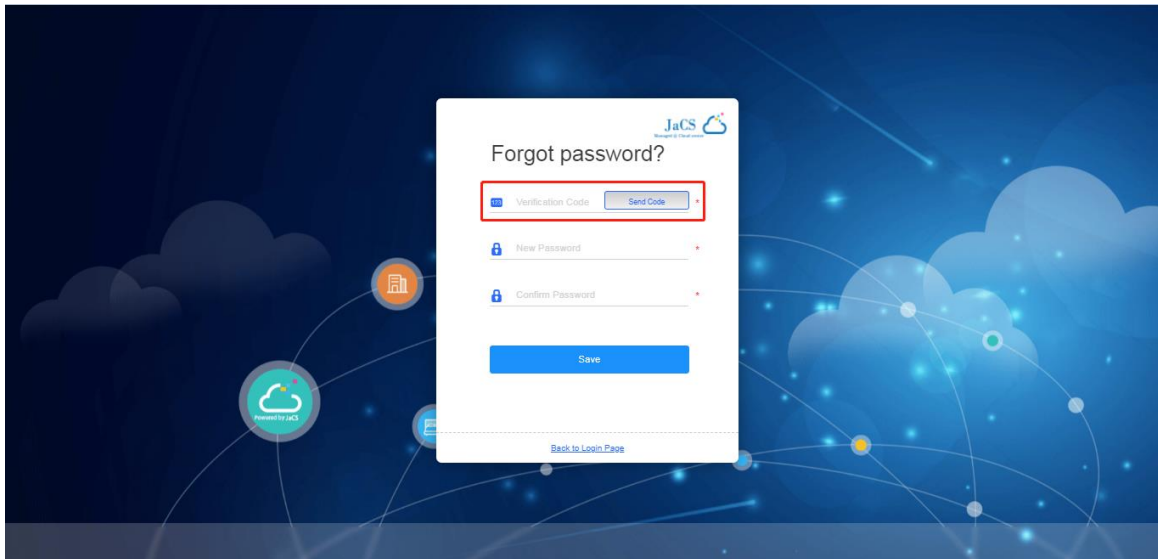
1. Visit <https://cloud-japan.ruijienetworks.com>.



2. Click **Forgot password?** to open the **Forgot password** page.

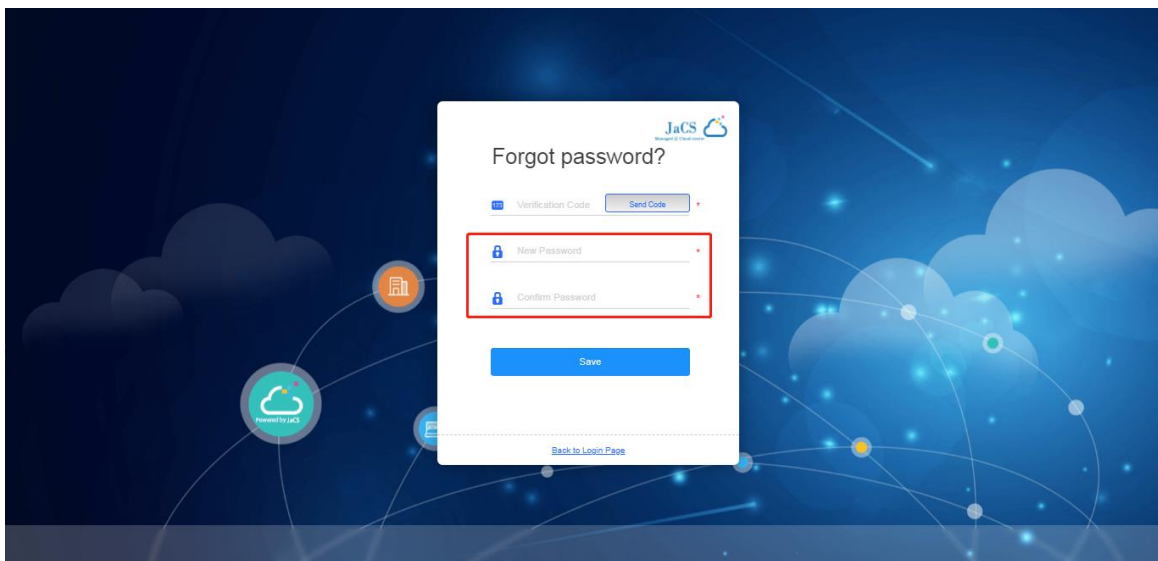


3. Enter the Email address for retrieving the password. Click **Send Code**, and enter the verification code contained in the Email into the **Verification Code** box.



i The Email address is generally the same as the account.

4. Enter and confirm the new password.



i The password should be a combination of two or more items among numbers, letters and special characters in the length of 5 to 12 characters. Space is not supported.

5. Click **Save**. If your information is verified and saved, you can use the new password to log into the system.

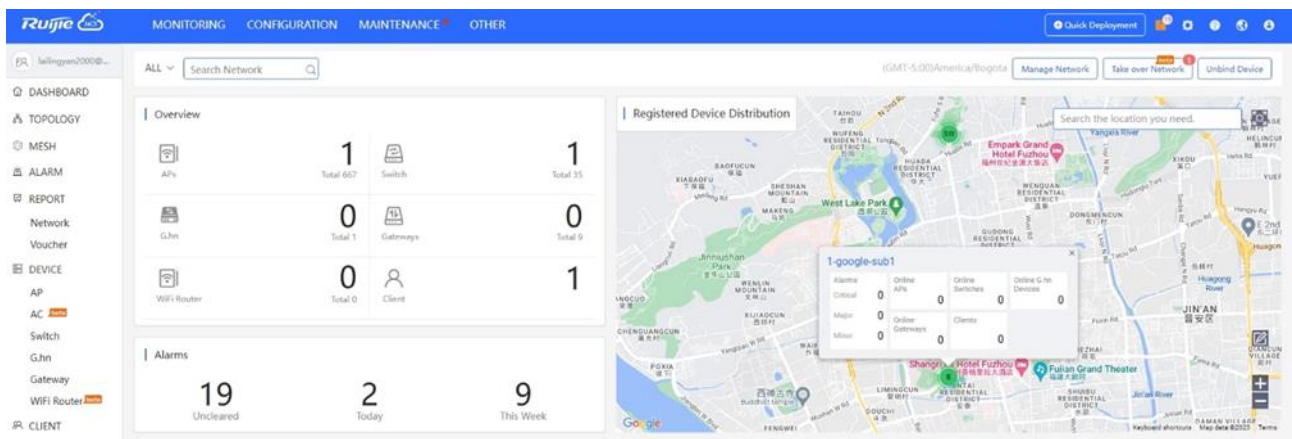
5 Monitoring

This part enables you to monitor the following items:

- DASHBOARD
- TOPOLOGY
- MESH
- ALARM
- REPORT
- DEVICE
- CLIENT

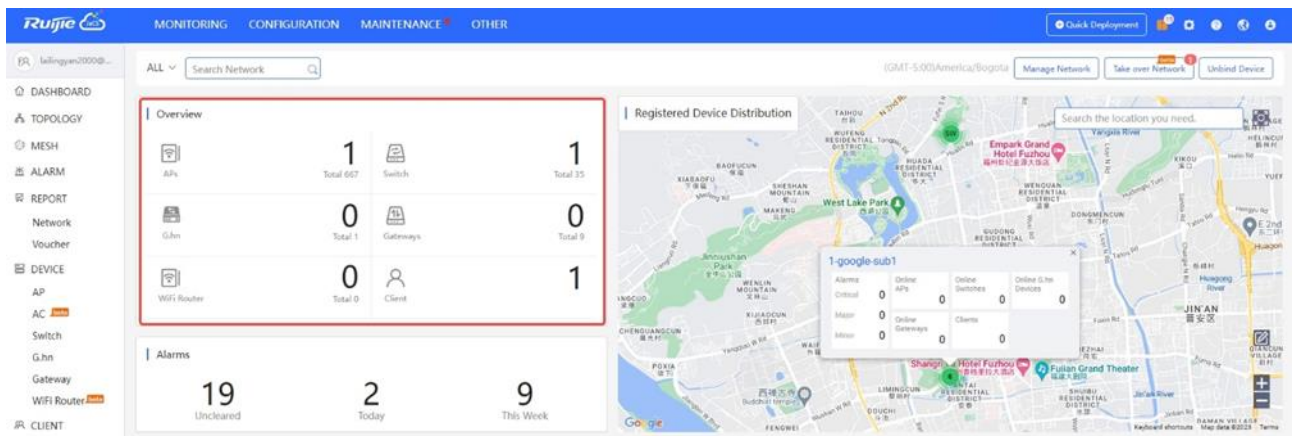
5.1 Dashboard

After logging in, the **Dashboard** appears, or you can click **Dashboard** in the menu to open the page.



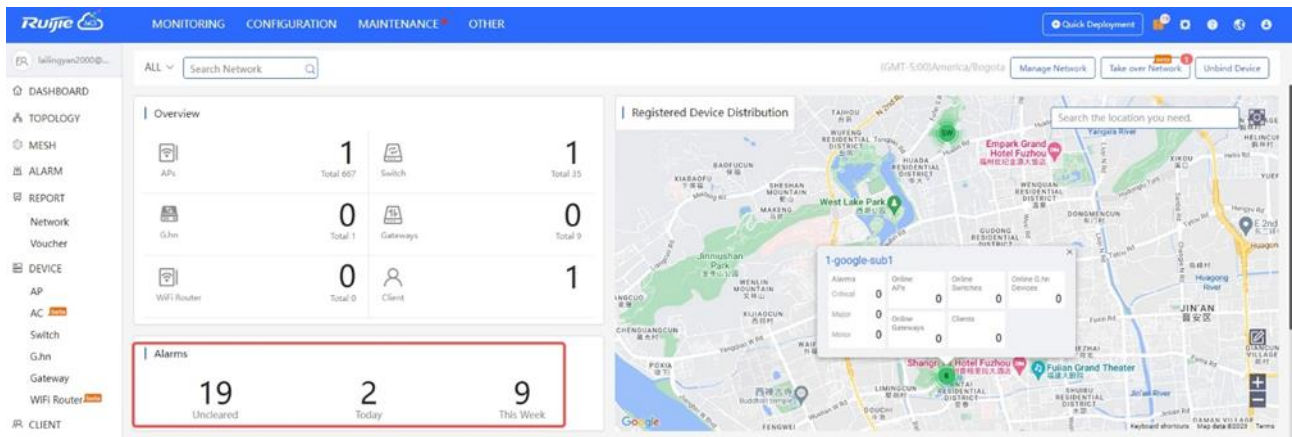
5.1.1 Overview

Overview displays the statistics of APs, switches, gateways and clients and WiFi Router. The upper number indicates the number of online devices, and the lower number indicates the total number of devices.

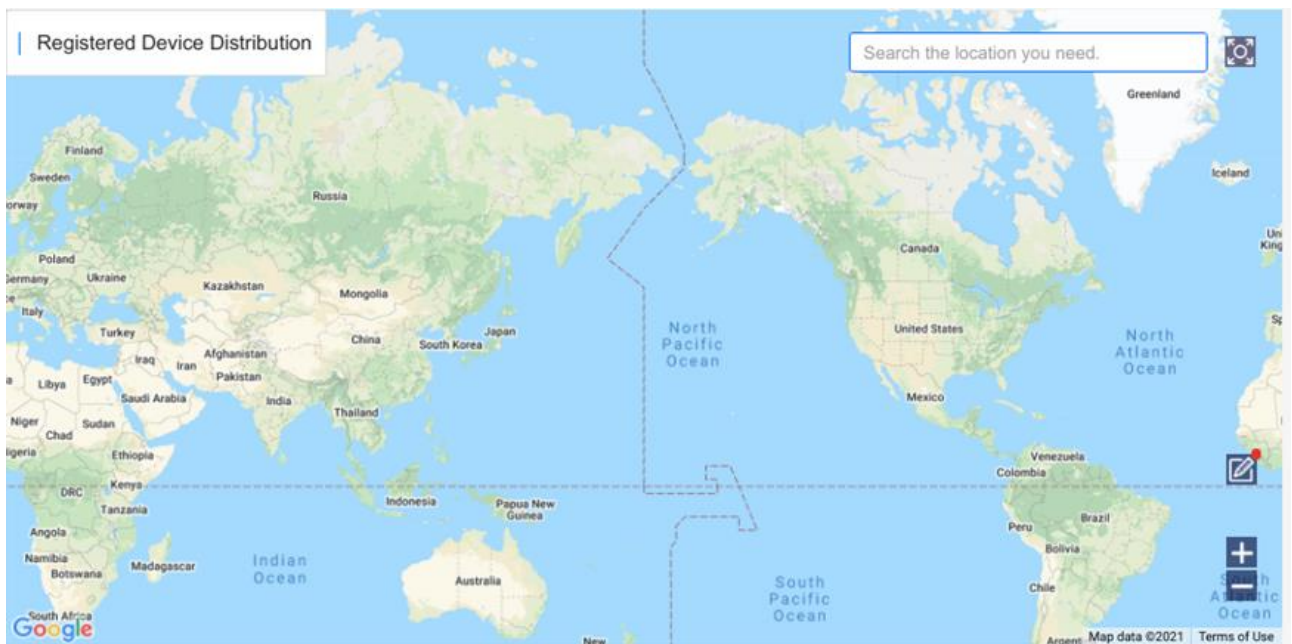


5.1.2 Alarms

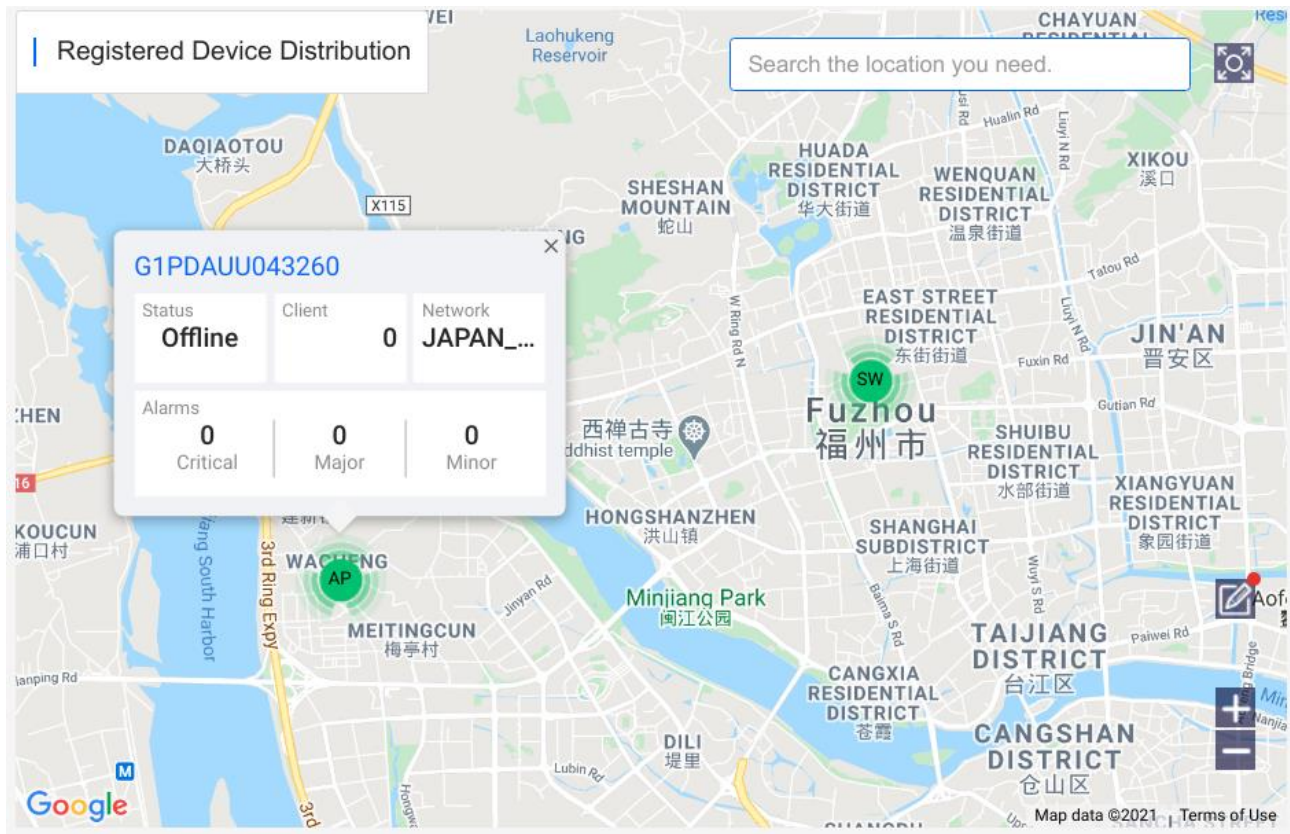
Alarms displays the number of uncleared alarms, new alarms today and total alarms generated this week.




5.1.3 Registered Device Distribution



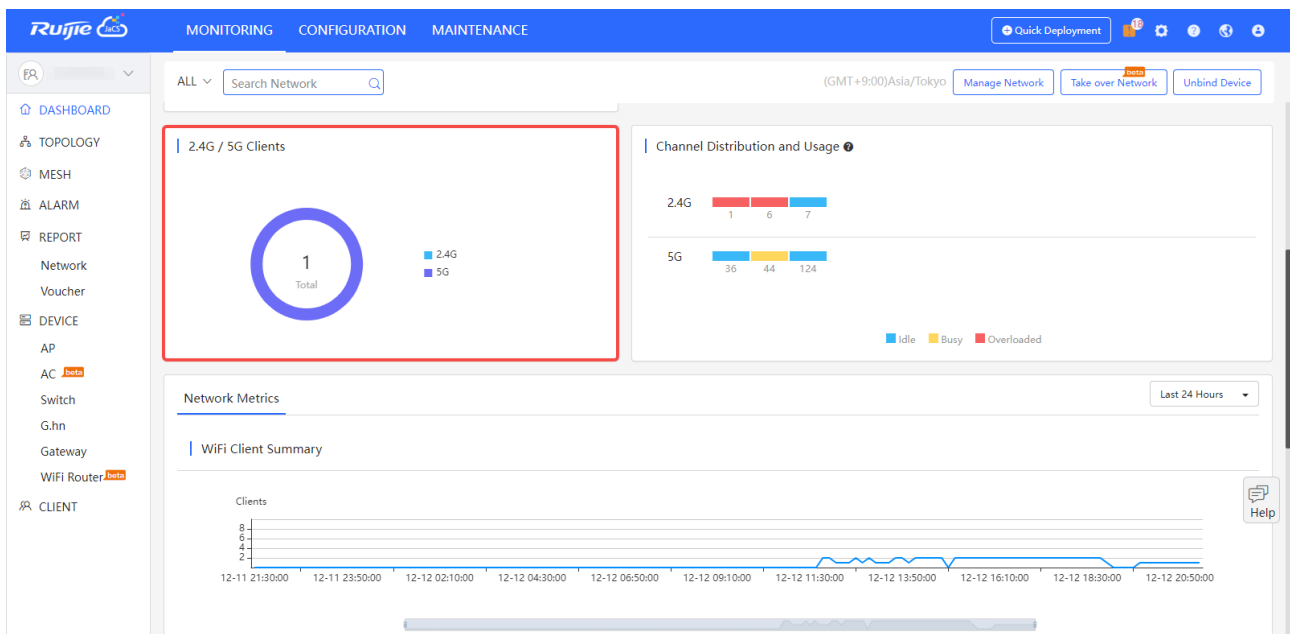
The map displays the device distribution by default. Devices are displayed in network, and the number on icon indicates the device number. Point to the icon, and the device and alarm number are displayed.



Click  to bind networks. In the **Unbound Network List**, you can drag a device to the map to bind the location; on map, you can drag a network to change its location, or click **Unbind** to unbind the location.

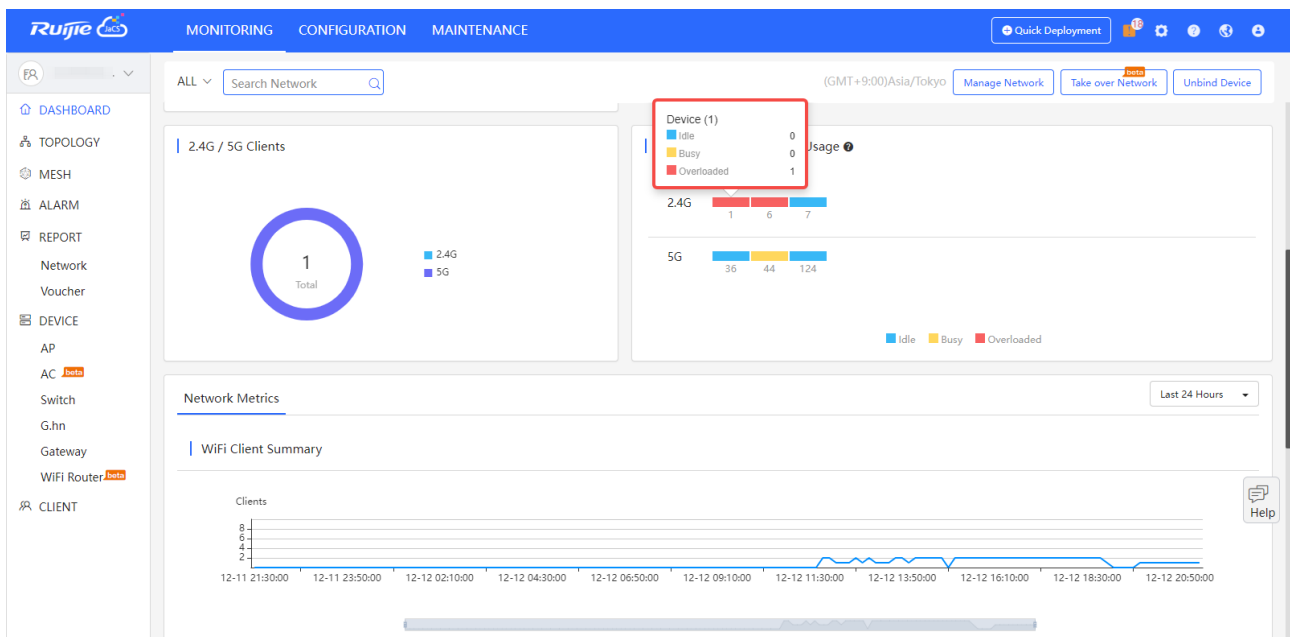
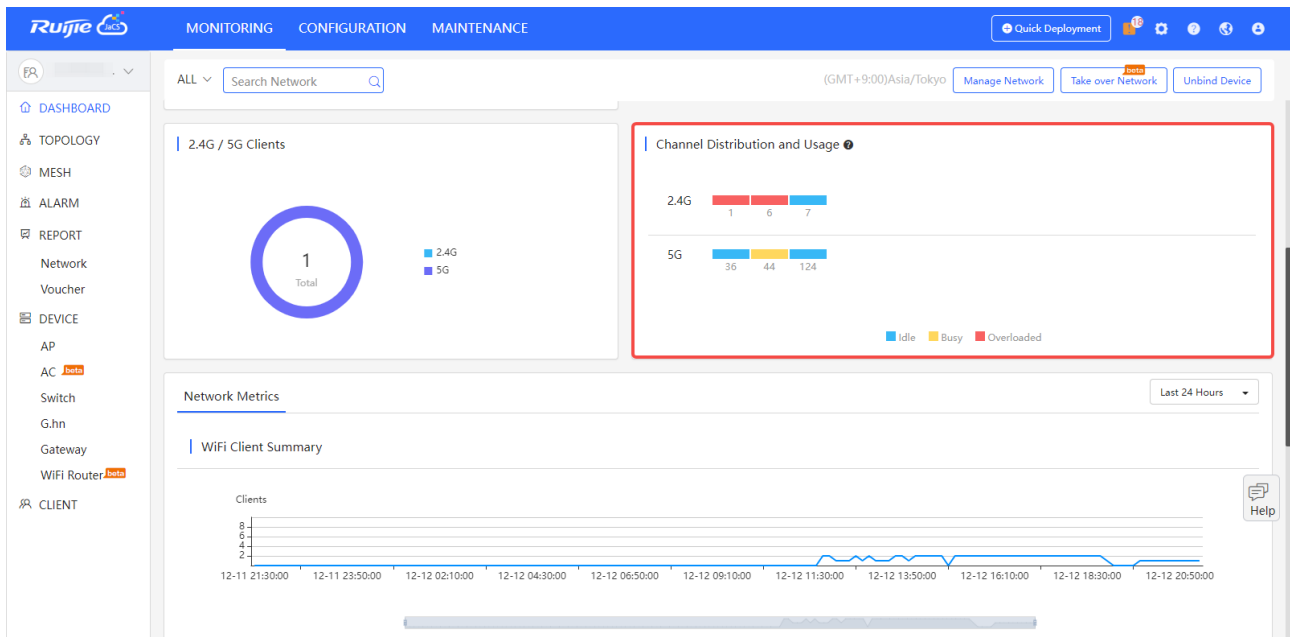
5.1.4 2.4G / 5G Clients

The chart displays the statistics of clients using 2.4G and 5G.



5.1.5 Channel Distribution and Usage

The chart displays the channel statistics.



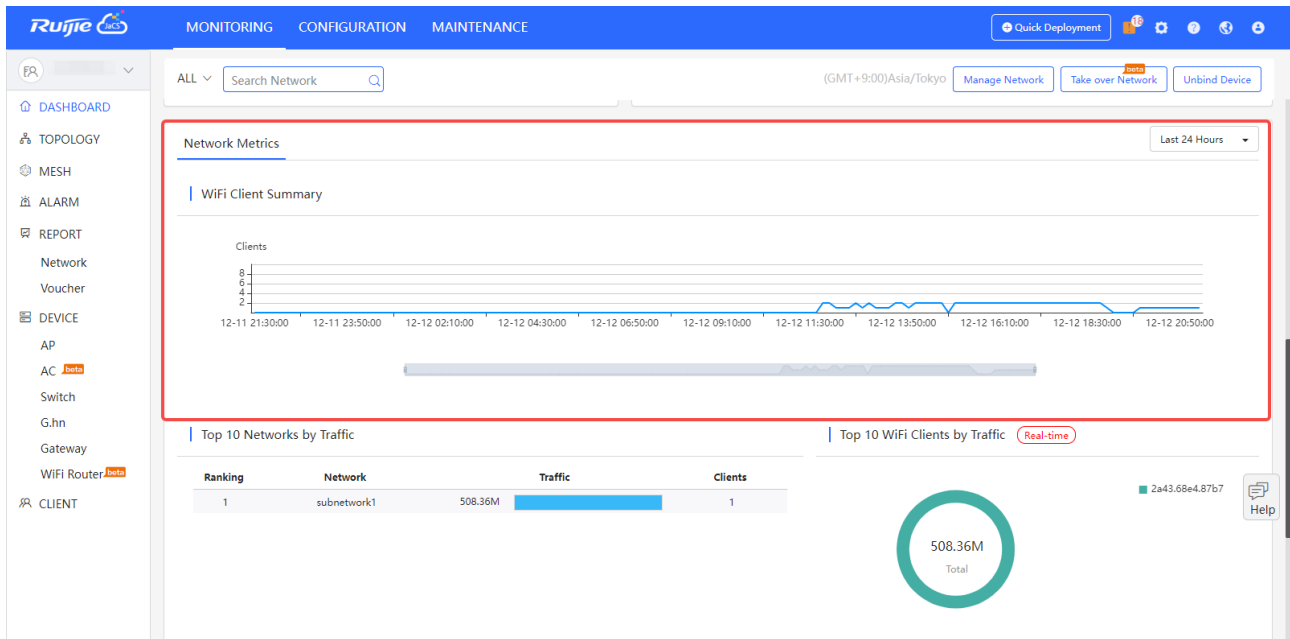
Point to a channel, and more details appear. The channel usage is graded as:

Idle: 0% to 59%

Busy: 60% to 79%

Overload: 80% to 100%

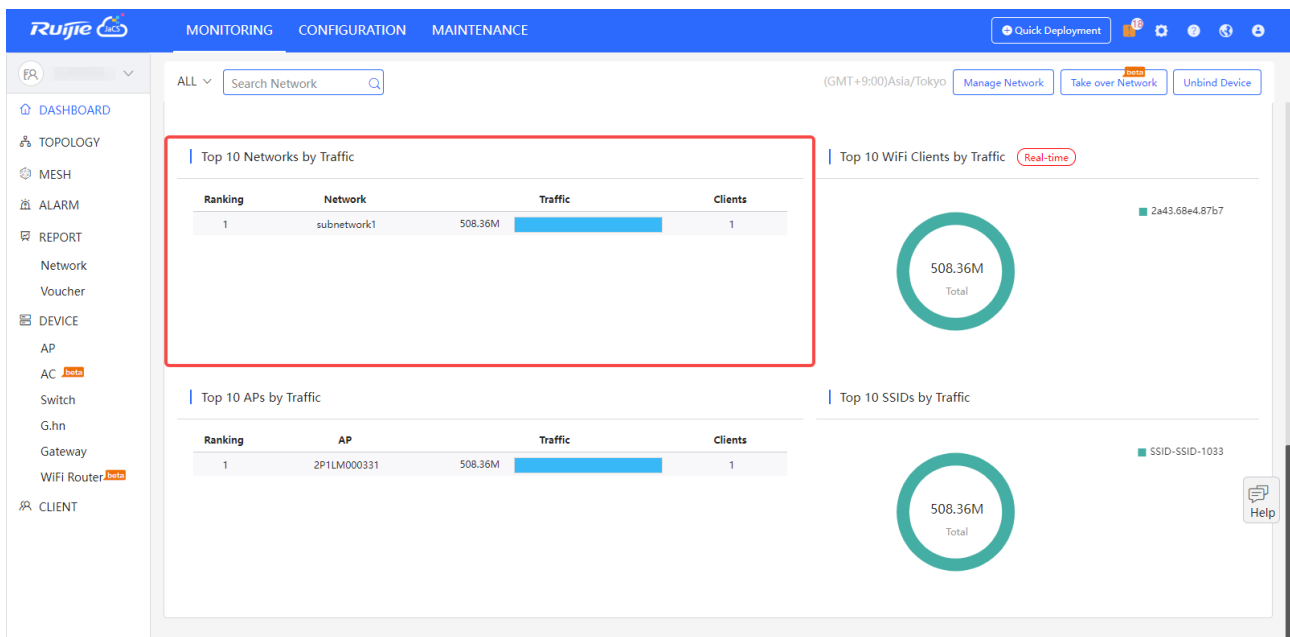
5.1.6 Client Summary



The chart displays the trend of recent clients.

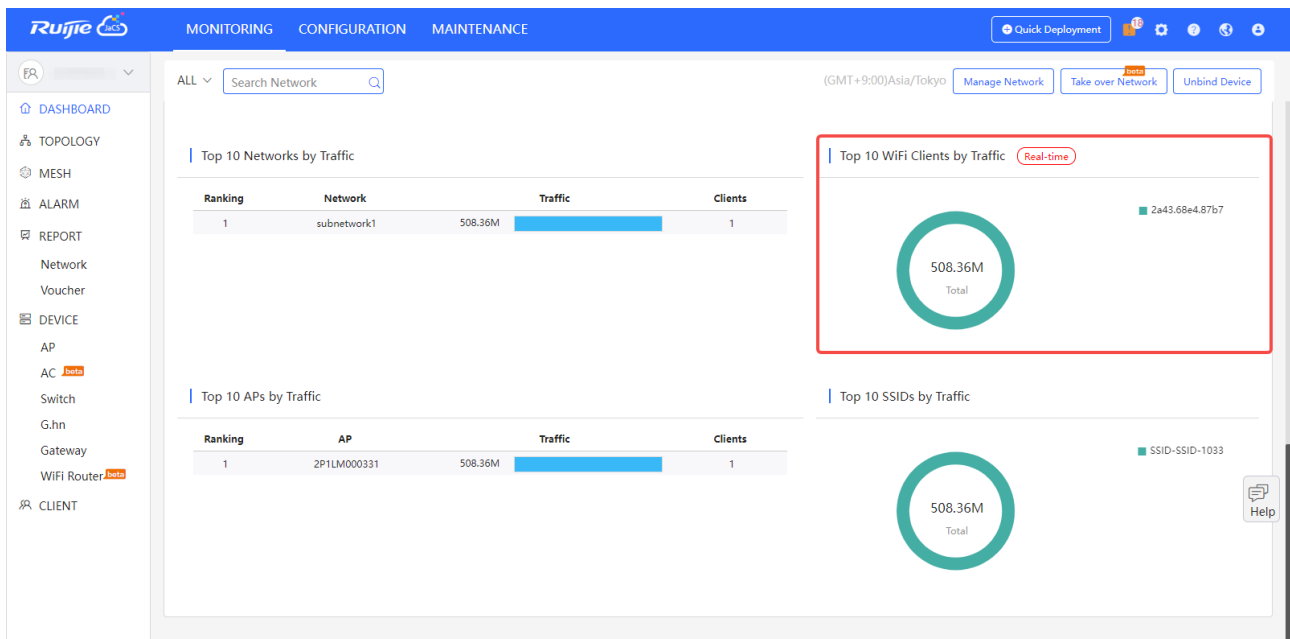
5.1.7 Top 10 Networks by Traffic

The table displays the top 10 networks ranked by traffic.



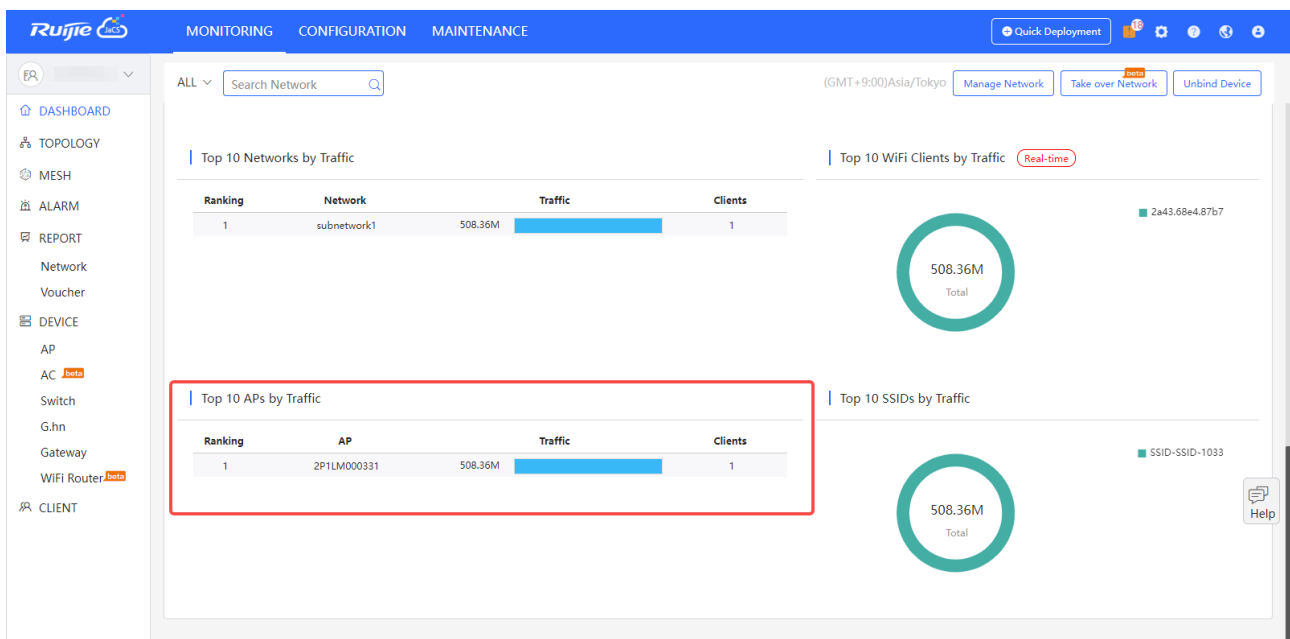
5.1.8 Top 10 Clients by Traffic

The chart displays the top 10 clients ranked by traffic.



5.1.9 Top 10 APs by Traffic

The table displays the top 10 APs based on traffic.



5.1.10 Top 10 SSIDs by Traffic

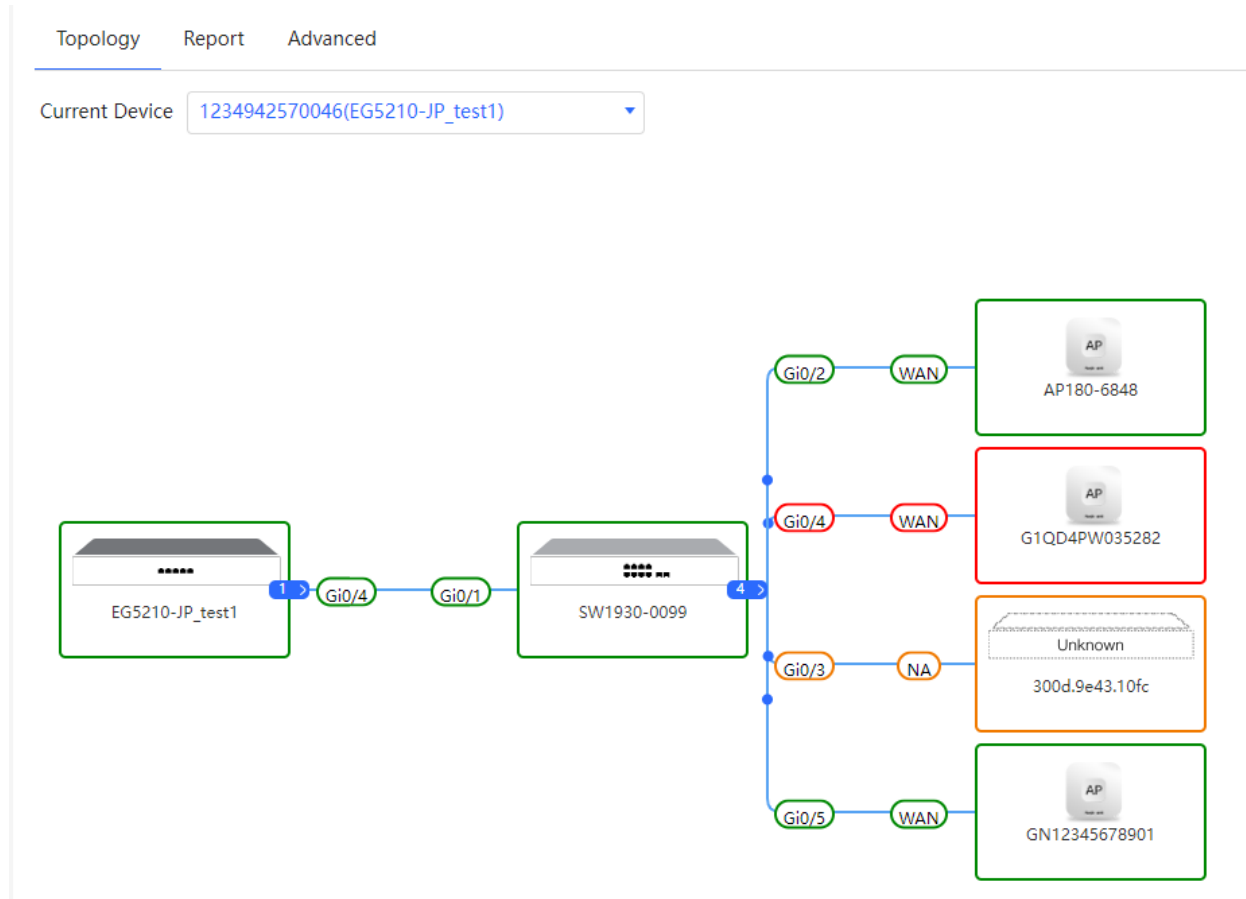
The chart displays the top 10 SSIDs based on traffic.

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5.2 Topology

Topology page displays the topology of the downlink devices of an online switch in the current network. It supports to diagnose the running status of all online networks in a network, and generate diagnosis report.

5.2.1 Topology

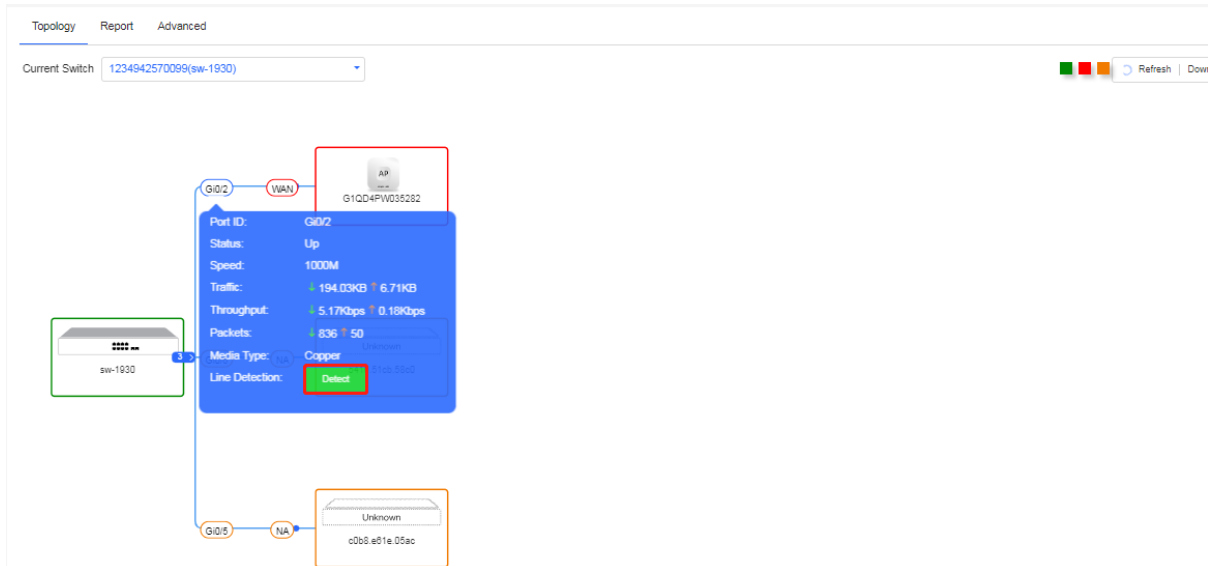


Current Switch: You can select a switch or EG5210-JP or RG-HS2310-16GH2GT1XS in the current network group to display the topology of its downlink devices.

- **Search:** You can use a device SN or device name to search the device in the topology and check its information.
- Different colors indicate different connection status. Green indicates the device works normally. Red indicates the device goes offline or is disassociate from the switch. Orange indicates the device is not connected to the Cloud or it belongs to another account.
- **Refresh:** You can select a switch, and click **Refresh** to update the downlink topology of the switch. The fresh interval should be more than 10 minutes, otherwise a prompt message about frequent operations will appear. A topology update will be triggered when a switch is initially selected.
- **Port Information Displaying:** RG-HS2310-16GH2GT1XS is connected to the RG-HA3515-DG through the G.hn port using a telephone line. The G.hn ports are displayed as G.hnx/x on the page. When you click a G.hn port number, detailed information about the port is displayed. The rate displayed in the **Speed** item is the actual uplink and downlink rate, and the rate of other devices are displayed as 100M/1000M.

5.2.2 Physical Link Detection

In a topology, when you hover the mouse over a switch, the detail information of the switch will be displayed in a pop-up window. In this pop-up window, you can click the **detect** button to detect the status of a link. When the link is under detection, please do not perform any operation. Three results may occur as shown follows, including normal link, link failure and no link. Detection function isn't provided for EG5210-JP.



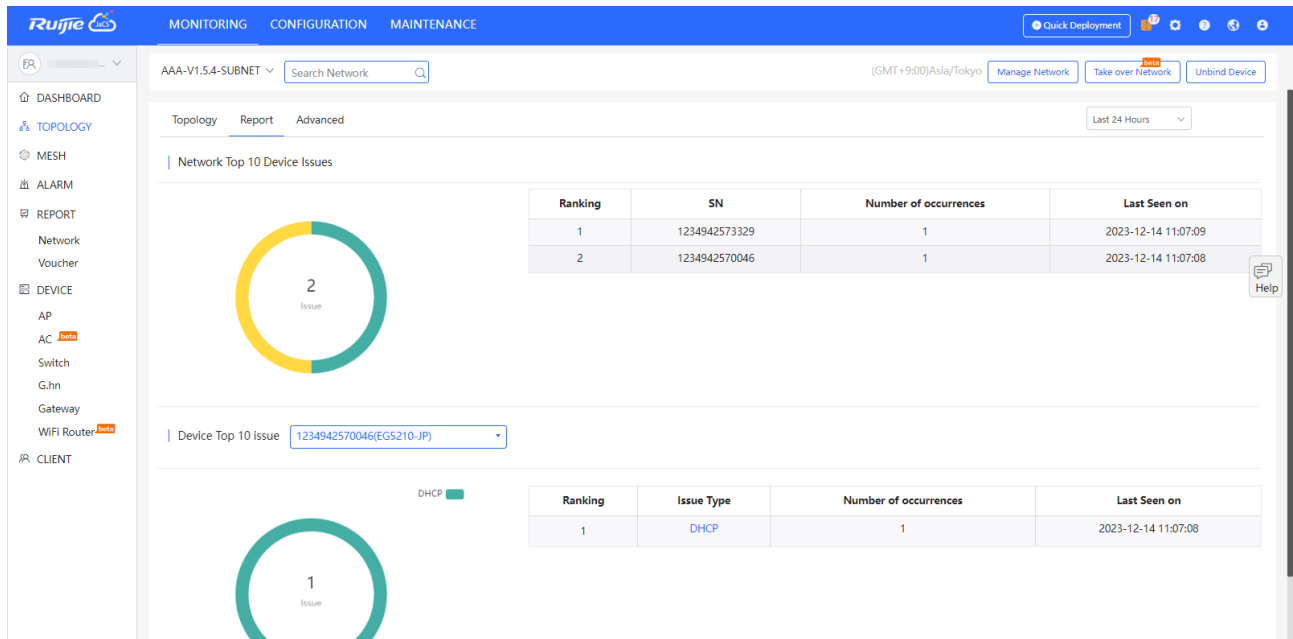
After completing the operation, you can click **MAINTENANCE > LOGS > Operation Log** to check the log.

The screenshot shows the 'Operation Log' section of the Ruijie network management interface. The log table contains the following data:

Time	Operator	Type	Description	Result	Result Description	Action
2022-09-30 18:24:52	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 18:23:07	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 17:59:11	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 17:25:44	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 11:21:48	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 11:14:50	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-30 10:58:08	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-29 15:33:07	commonApartment	Login	Log in successfully	Success	OK	<input type="checkbox"/>
2022-09-29 10:40:36	commonApartment	Network	Add network [hotel-1], time zone[Asia/Tokyo], uplink group[ALL], SSID[hotel-1]	Success	The network is added	<input type="checkbox"/>
2022-09-29 10:40:36	commonApartment	Roaming	Disable the L3 Roaming of Group [hotel-1]	Success	OK	<input type="checkbox"/>

The interface also includes a sidebar with navigation options like LOGS, CONFIG LOG, UPGRADE, and FIRMWARE, and a bottom section with pagination controls (Page 1 of 5) and a total count (Total: 48).

5.2.3 Report



- Network Top 10 Device Issues

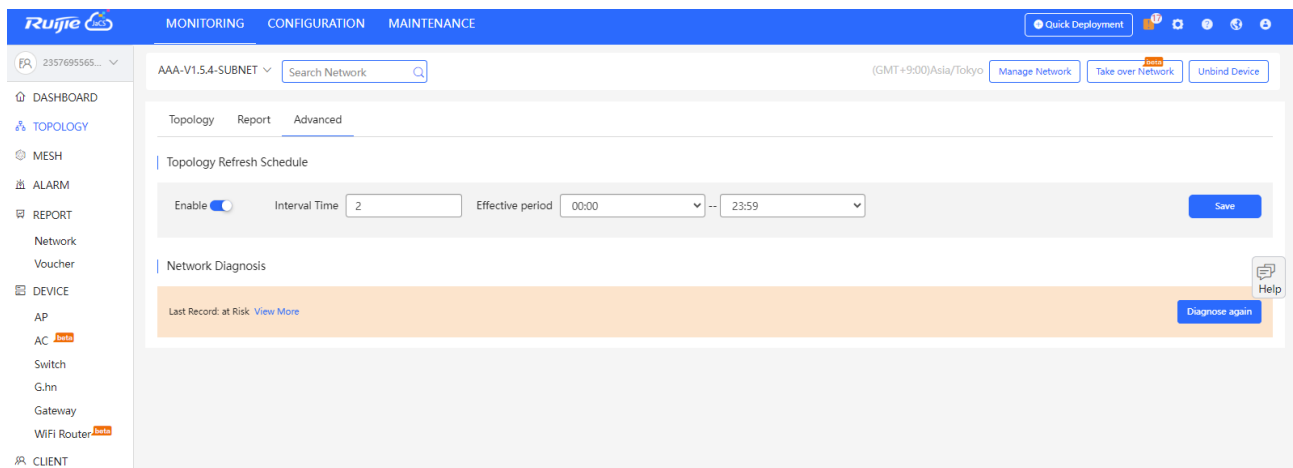
This chart displays the top 10 faulty devices and the last time when the fault occurs in a network.

- Device Top 10 issue

This chart displays the top 10 failure types occurring among devices and the last time when the fault occurs.

You can hover the mouse over a failure to check the details.

5.2.4 Advanced



5.2.4.1 Topology Refresh Schedule

In this page, you can set the time to refresh the topology. The min interval is 2 hours. You also can set a period to refresh the topology. At the start time, the topology will be refreshed once only. If the interval between the start time and the end time is less than 2 hours, the topology will be refreshed only at the start time. If you disable this function, all the settings become invalid.

Topology Refresh Schedule

Enable ☐ Interval Time Effective period -- [Save](#)

5.2.4.2 Network Diagnosis

Network Diagnosis

Last Record: Pass [View More](#) [Diagnose again](#)

When you click Diagnose again, the following figures will be displayed.

Diagnosing...5% [Minimize](#)

Layer 2 and 3 Connectivity ^
Address pool and VLAN Test....checked.

Link Status ^
Traffic Monitoring.... 2/2 devices checked , 2 devices at risk
Negotiation Speed and Duplex Mode Test.... 2/2 devices checked

Pass [Close](#)

✔ Layer 2 and 3 Connectivity ^
✔ Link Status ^

If a risk is detected, the following page will appear.

risks to be fixed [Minimize](#)
You can fix it according to suggestion.[Diagnose again](#)

⚠ Layer 2 and 3 Connectivity ^
⚠ Address pool and VLAN Test. 5 devices to be fixed
VLAN & DHCP address pool risk is detected. [View More](#)

⚠ Link Status ^
⚠ 1 devicesTraffic Monitoring.at Risk 1 devices to be fixed
[View More](#)
✔ Negotiation Speed and Duplex Mode Test.

You can click **View More** to check the details of the risk.

[Back](#) Traffic Monitoring

Devices to be Fixed(1) ^

SN: 1234942570061 [at Risk](#) [Suggestion](#) ^

Click **Suggestion**, a suggestion will be offered to help you fix the issue.

[Back](#) Traffic Monitoring

Devices to be Fixed(1) ^

SN:1234942570061

at Risk

Suggestion ^

Details:Port [Gi0/11,Gi0/1,Gi0/7] the rldp loop detection function is not turned on.
Suggestion:It is recommended that port [Gi0/11,Gi0/1,Gi0/7] enable the rldp loop detection function.

5.3 Mesh

Mesh consists of three parts: **Mesh Network**, **Basic Info** and **Mesh Topology**.

5.3.1 Mesh Network

Select the specified Mesh network in the **Mesh Network** box, and click  to export the network report.

apart3 ▾

Search Network

(GMT+9:00)Asia/Tokyo


Manage Network

Take over Network

Unbind Device

MESH Network

#aq11q



Basic Info

MESH Network #aq11q

Master G1QP9BQ000120

Repeater Number 1

Master Status Online

Sync Repeater to Cloud ☒

Update Time 2022-03-01 16:23:47

Mesh Topology


Online ☒ Offline ☐ Wired ☐ Wireless ☐

The MESH Network has changed. Please click [here](#) for details.

+

100%

-



5.3.2 Basic Information

The basic information of Mesh network includes network name, SN of master device, quantity of repeaters, status of master device, and update time. You can enable/disable the function of automatically syncing repeaters to Ruijie JaCS.

To edit the network name, click .

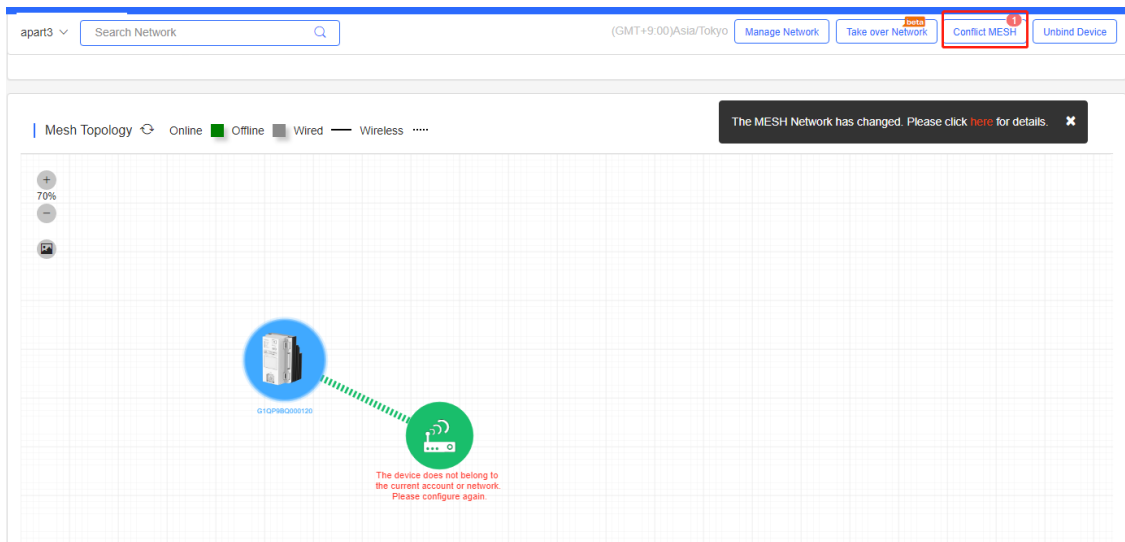
The screenshot shows the 'Basic Info' section of the Mesh Network interface. At the top, there's a search bar with 'Search Network' and a magnifying glass icon. To the right, it shows the time zone '(GMT+9:00)Asia/Tokyo' and three buttons: 'Manage Network', 'Take over Network' (with a 'beta' badge), and 'Unbind Device'. Below this, the 'MESH' section has a dropdown menu showing '#aq11q' and a refresh icon. The 'Basic Info' section is highlighted with a red border and contains the following details: 'MESH Network #aq11q' (with a refresh icon), 'Master G1QP9BQ000120', 'Repeater Number 1', 'Master Status Online', 'Sync Repeater to Cloud' (with a toggle switch), and 'Update Time 2022-03-01 16:23:47'. Below the 'Basic Info' section, there's a 'Mesh Topology' section with a refresh icon and a legend for 'Online' (green square), 'Offline' (grey square), 'Wired' (black line), and 'Wireless' (dotted line). A notification box at the top right of the topology section says 'The MESH Network has changed. Please click [here](#) for details.' The topology area itself is a large grid with a zoom level of 100% and a camera icon.

5.3.3 Mesh Topology

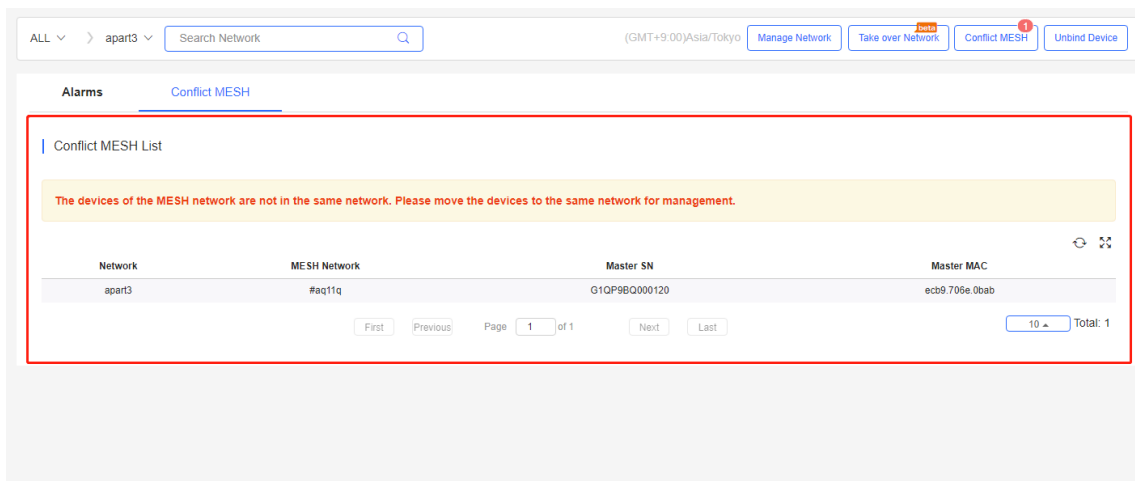
The **Mesh Topology** displays the current Mesh topology, including the information of devices and clients. If the topology changes, a prompt will be displayed and you can click the prompt to open the **Mesh Log** page.

The screenshot shows the 'Mesh Topology' section of the Mesh Network interface. At the top, there's a search bar with 'Search Network' and a magnifying glass icon. To the right, it shows the time zone '(GMT+9:00)Asia/Tokyo' and three buttons: 'Manage Network', 'Take over Network' (with a 'beta' badge), and 'Unbind Device'. Below this, the 'Sync Repeater to Cloud' toggle switch is shown, along with the 'Update Time 2022-03-01 16:53:47'. The 'Mesh Topology' section is highlighted with a red border and contains the following details: 'Mesh Topology' with a refresh icon, a legend for 'Online' (green square), 'Offline' (grey square), 'Wired' (black line), and 'Wireless' (dotted line), and a notification box at the top right that says 'The MESH Network has changed. Please click [here](#) for details.' The topology area itself is a large grid with a zoom level of 80% and a camera icon. It displays a mesh topology with two devices: a master device (G1QP9BQ000120) and a repeater device (301101001218296), connected by a dotted line.

If a device in the Mesh network does not belong to the current network or its sub-networks, the topology will be displayed as below:



Click [Conflict MESH](#) to check the conflict Mesh network.



Only after the devices are added to the same network, the conflict prompt will disappear.

- Click a device, and the device details will be displayed.

Device Details



Device Info



Role Master

SN : [G1QP9BQ000120](#)

MAC ecb9.706e.0bab

IP Address 192.168.188.151

Model RG-MA2610-PE

Alias --

Client List



IP	MAC	SSID	RSSI	Band	Online Time	Action
No Data						
<div>First Previous Page 0 of 0 Next Last 10 ▲ Total: 0</div>						

- Click a client, and the client details will be displayed.

Client Details



Client Info

Alias : mi

Status : Online

MAC : 80ad.16ea.1dc3

Online Time : 2022-01-05 16:08:33

Offline Time :

Uptime : 3h 49m 4s

IP : 192.168.110.102

Terminal : Phone

OS : Android

Manufacturer : Xiaomi

AP SN : G1QP9BQ000120

AP Alias :

SSID : 2610aprt1

Experience



- Click to open the **Mesh Log**.

apart3

Search Network

(GMT+9:00)Asia/Tokyo

Manage Network

Take over Network

Unbind Device

Network

Basic Info

MESH Network #aq11q

Master G1QP9BQ000120

Repeater Number 1

Master Status Online

Sync Repeater to Cloud

Update Time 2022-03-01 17:18:47

Mesh Topology

Online Offline Wired Wireless

The MESH Network has changed. Please click [here](#) for details.

100%

MESH Log

MAC, MESH Network

Started at

Ended at

Search

Operation Type	MAC	MESH Network	Create Time	Content
Device online	c470.ab53.c922	#aq11q	2022-03-01 14:08:47	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 14:08:47	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 10:48:38	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 10:48:38	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 09:58:39	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 09:58:39	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Device online	c470.ab53.c922	#aq11q	2022-03-01 09:43:40	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] goes online in the mesh network
Device online	ecb9.706e.0bab	#aq11q	2022-03-01 09:43:40	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] goes online in the mesh network
Network is disconnected	c470.ab53.c922	#aq11q	2022-03-01 09:38:39	The device [SN:301101001218256 Model:RG-MA2810 Building ID:apart3 Room No:212] is disconnected in the mesh network
Network is disconnected	ecb9.706e.0bab	#aq11q	2022-03-01 09:38:39	The device [SN:G1QP9BQ000120 Model:RG-MA2610-PE Building ID:apart3 Room No:12] is disconnected in the mesh network

First

Previous

Page 1 of 15

Next

Last

10

Total: 148

5.4 Alarm

5.4.1 Alarm List

Alarm List displays the cleared alarms. **Alarm List** supports the search based on AP serial number, alarm type, alarm level, alarm generation time and alarm updated time.

You can configure thresholds in **Alarm Settings**.

The screenshot shows the Ruijie Cloud Monitoring interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar lists various network components. The main content area displays the 'Alarm List' table, which is highlighted with a red box. The table contains the following data:

Network	SN	Type	Level	Cleared	Content	Generated at	Cleared on	User
V1.5.4-GHN		All devices are offline	Major	No		2023-12-12 21:01:07	-	2023-12-12 21:01:07
V1.5.4-GHN	1234942570020	Device goes offline	Major	No		2023-12-12 21:01:07	-	2023-12-12 21:01:07
AAA-V1.5.4-SUBNET	1234942570046	Device goes offline	Major	No		2023-12-12 20:24:07	-	2023-12-12 20:24:07
RF-APART-DEVICE		All devices are offline	Major	No		2023-12-12 19:07:18	-	2023-12-12 19:07:18
AAA-V1.5.4-SUBNET	G1RP1LM000361	High channel usage on AP	Major	No	High device channel usage rate RADIO 1(2.4G),CHANNEL 1,average channel utilization rate (one hour) 96% RADIO 2(5G),CHANNEL 36,average channel utilization rate (one hour) 65% High device channel usage rate	2023-12-12 12:00:01	-	2023-12-12 12:00:01
AAA-V1.5.4-SUBNET	2P1LM000331	High channel usage on AP	Major	No	High device channel usage rate RADIO 2(5G),CHANNEL 44,average channel utilization rate (one hour) 63% RADIO 1(2.4G),CHANNEL 6,average channel utilization rate (one hour) 95%	2023-12-12 12:00:01	-	2023-12-12 12:00:01
V1.5.4_handover		All devices are offline	Major	No		2023-12-11 17:28:27	-	2023-12-11 17:28:27
V1.5.4-SW	1234942573329	Device goes offline	Major	No		2023-12-11 11:53:07	-	2023-12-11 11:53:07
V1.5.4-SW	G1QD7PW015856	Device goes offline	Major	No		2023-12-11 11:29:07	-	2023-12-11 11:29:07
V1.5.4-SW	G1QD7PW015856	High channel usage on AP	Major	No	High device channel usage rate RADIO 1(2.4G),CHANNEL 2,average channel utilization rate (one hour) 88% RADIO 2(5G),CHANNEL 116,average channel utilization rate (one hour) 1%	2023-12-10 12:00:01	-	2023-12-10 12:00:01

The following describes the conditions for generating alarms.

Type	Condition	Description
Device goes offline	An AP goes offline.	The AP is disconnected from the Cloud Service, or the AP is powered off.
Device goes online and offline continually	The online/offline change times of an AP exceeds the default threshold within two hours.	The connection between the AP and the system is unstable or the AP has a firmware or hardware fault.
All devices are offline	All APs in a network go offline.	
High channel usage on AP	The RF channel utilization exceeds 80%.	RF channel utilization is high and interference is strong. It is recommended to change the channel.
System usage(CPU/memory usage) above threshold	The CPU or memory usage of AP/switch/gateway exceeds the threshold.	For AP, the default threshold for CUP usage is 85% and for memory usage is 85%. For switch, the default threshold for CUP usage is 50% and for memory usage is 65%. For gateway, the default threshold for CUP usage is 50% and for memory usage is 65%. Custom values are not supported.
Switch loopback detected (RLDP)	A loop occurs on the switch.	
Abnormal network access on gateway	The gateway port fails to ping the specified domain or IP for several times.	When the Ping test failed for the specified times, the alarm is sent. The times and domain/IP address can be configured manually.
High packet loss speed on gateway	The packet loss rate of gateway exceeds the threshold.	When the packet loss rate exceeds the specified percentage of threshold for several times in 5 minutes, the alarm is sent. The

		times and threshold can be configured manually.
Uplink speed above threshold on gateway	The uplink rate exceeds the specified percentage of threshold for several times.	When the uplink rate exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.
Downlink speed above threshold on gateway	The downlink rate exceeds the specified percentage of threshold for several times.	When the downlink rate exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.
Imported MAC, SSID and/or password check	Device import	When the imported MAC and the actual MAC are inconsistent, or the SSID/password changes, the alarm is sent.

5.4.2 Ignore Alarm

Select the alarm you want to ignore in **Alarm List**, and click the **Ignore Alarm** button. A popup window will be displayed. After click **OK**, the alarm will be ignored.


The screenshot shows the Ruijie Monitoring interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The left sidebar lists various network components. The main content area displays the 'Alarm List' with a table of alarms. A red box highlights the 'Ignore Alarm' button. The table columns include Network, SN, Type, Level, Cleared, Content, Generated at, Cleared on, and User. The table shows several alarms, including 'All devices are offline' and 'High device channel usage rate'. At the bottom, there are pagination controls showing 'Page 1 of 2' and a total of 18 items.

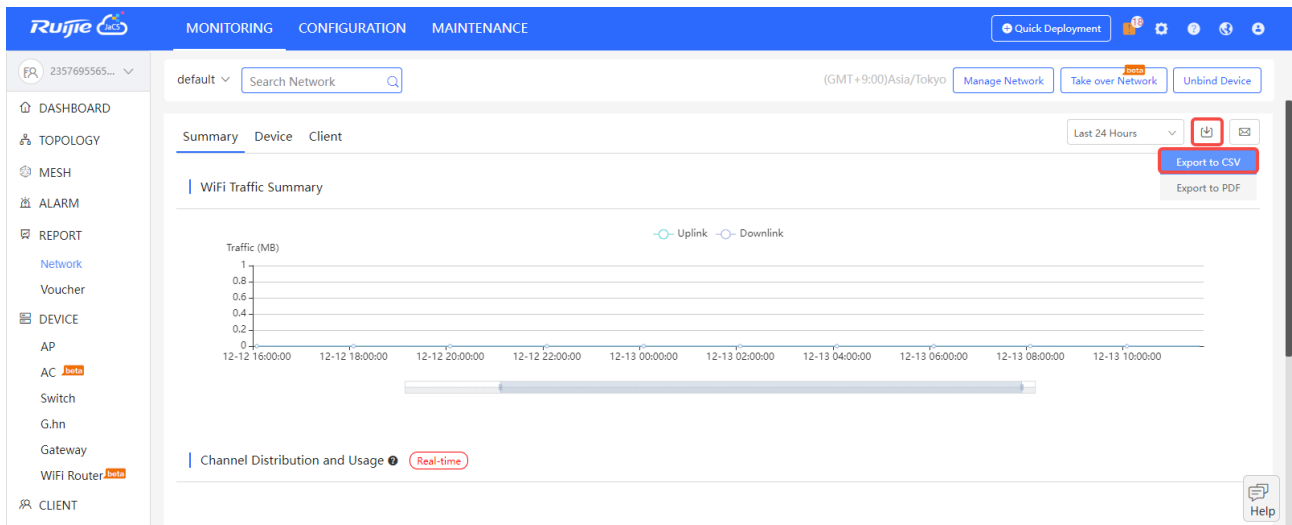
5.5 Report

5.5.1 Network


Network is divided into 3 parts: **Summary**, **Device** and **Client**. Except the statistical charts with **Real-time** that display real-time data and **Client > Experience** chart that only displays data in the last 7 days, all other charts support searching data in the last 30 days with the same query conditions. All charts automatically refresh every minute. Reports can be exported into CSV or PDF files, or sent by Email.

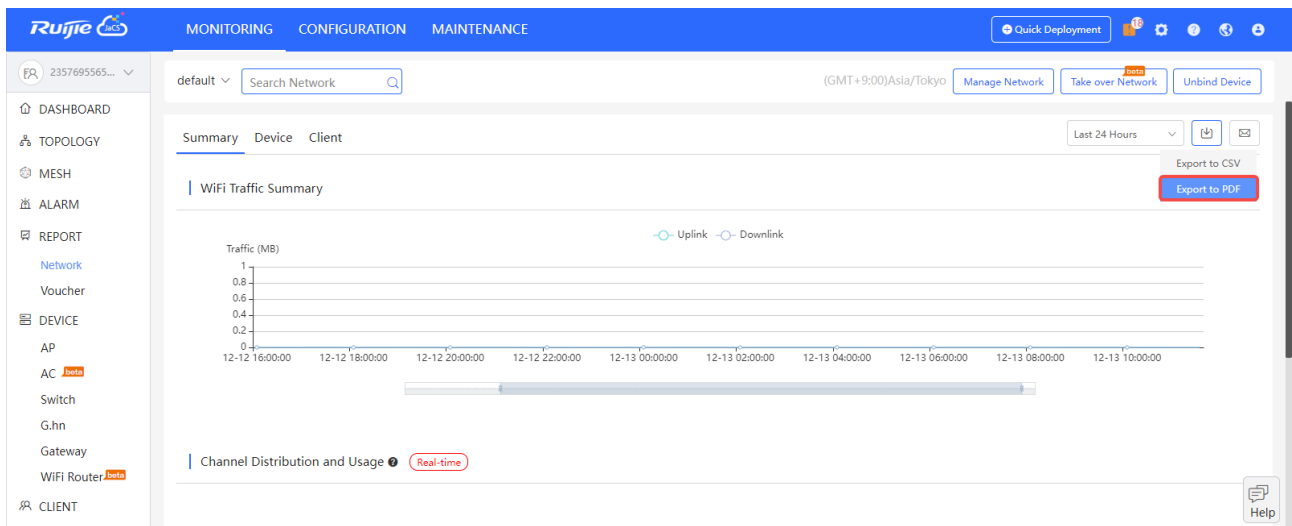
- Export to CSV

Point to , and click **Export to CSV**.




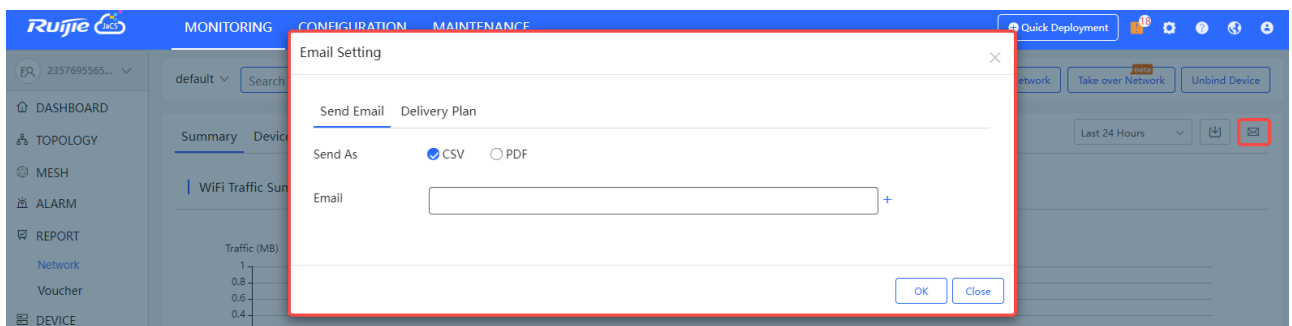
- Export to PDF

Point to , and click **Export to PDF**.



- Mail

Click , and select **Send Email**. Choose a file type for the report, then enter Email addresses. After click **OK**, the report will be sent immediately.

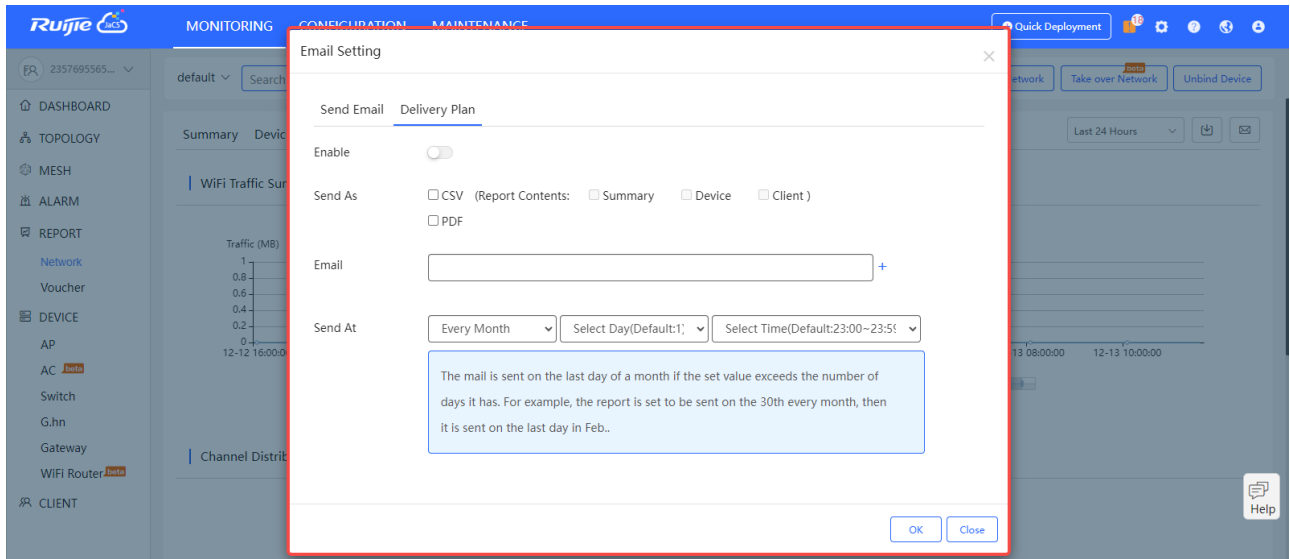




Click , and select **Delivery Plan**. Click **Enable** to send the report on the specified time.

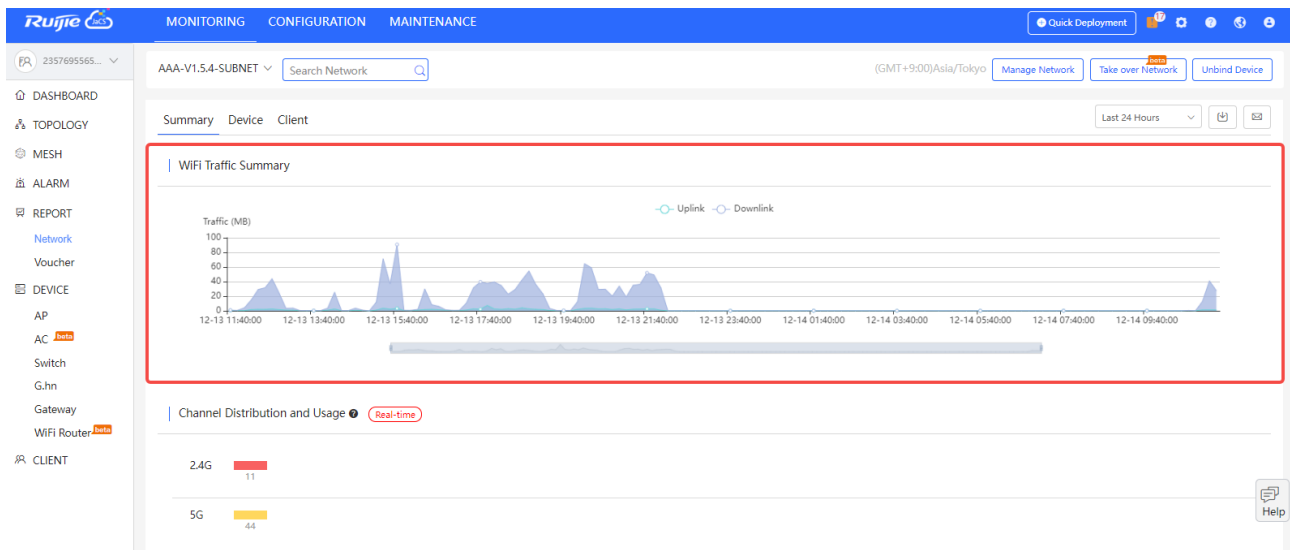
Report includes the data of Summary, Device and Client, and supports CSV and PDF file formats.

Reports can be sent every month, week or day.



 Up to three Email addresses are supported.

● Summary > WiFi Traffic Summary

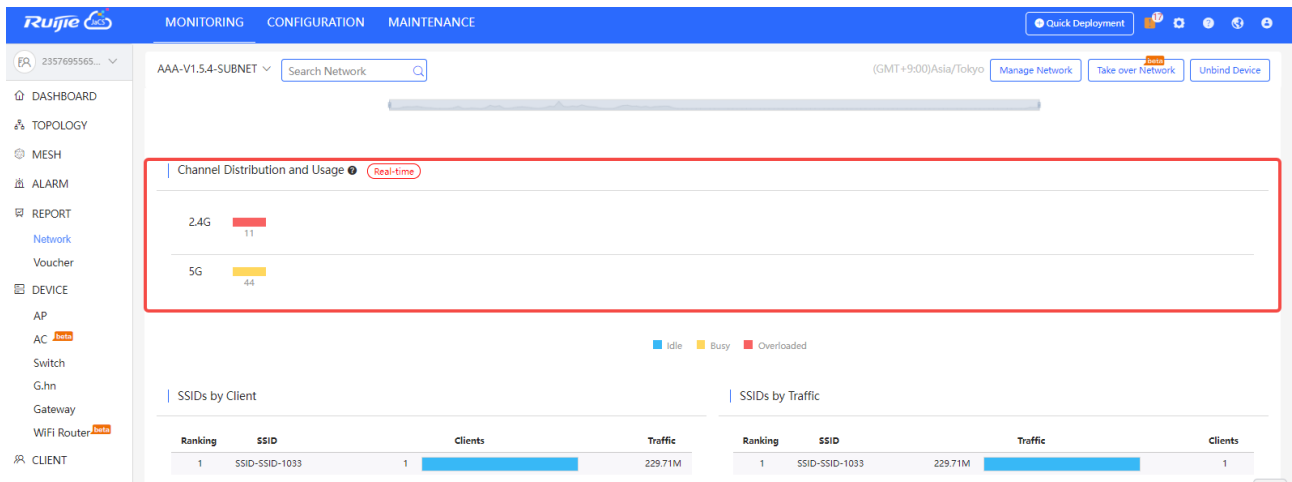


The uplink/downlink traffic summaries of the selected network during the specific period.

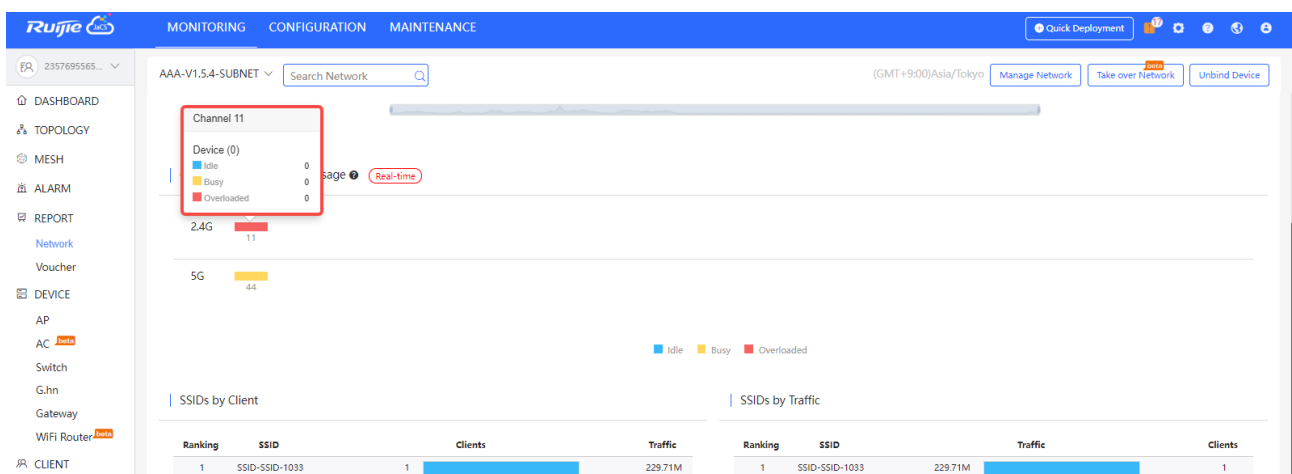
Uplink: Traffic directed from internal network to external network.

Downlink: Traffic directed from external network to internal network.

● Summary > Channel Distribution and Usage



The channel distribution and usage of the selected network.



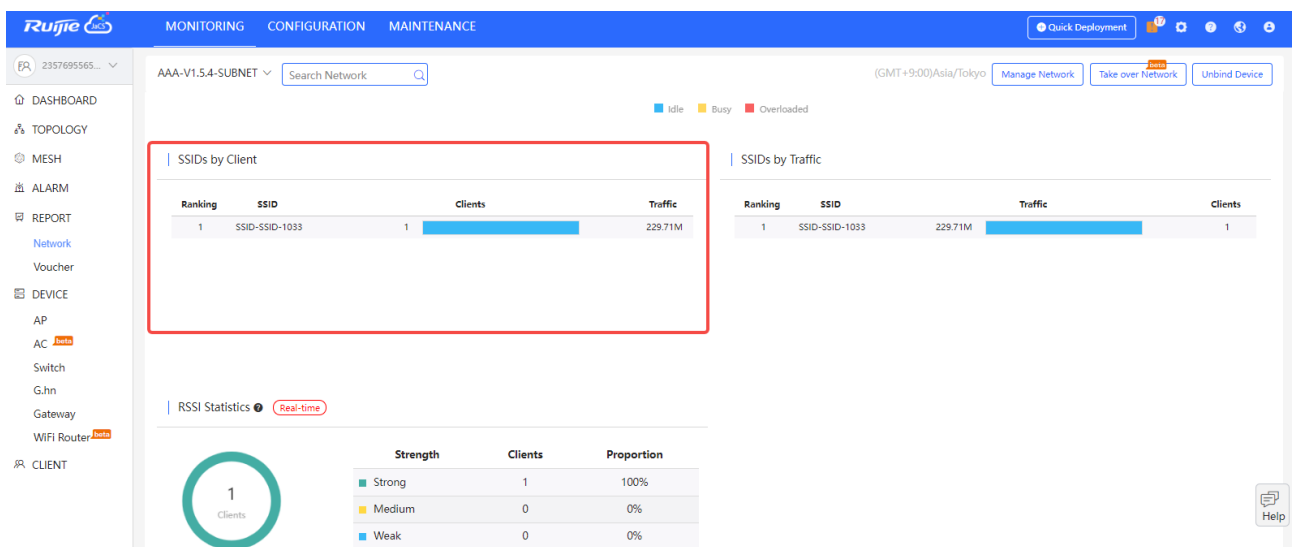
Point to a channel to view more details. The channel usage is graded as:

Idle: 0% to 59%

Busy: 60% to 79%

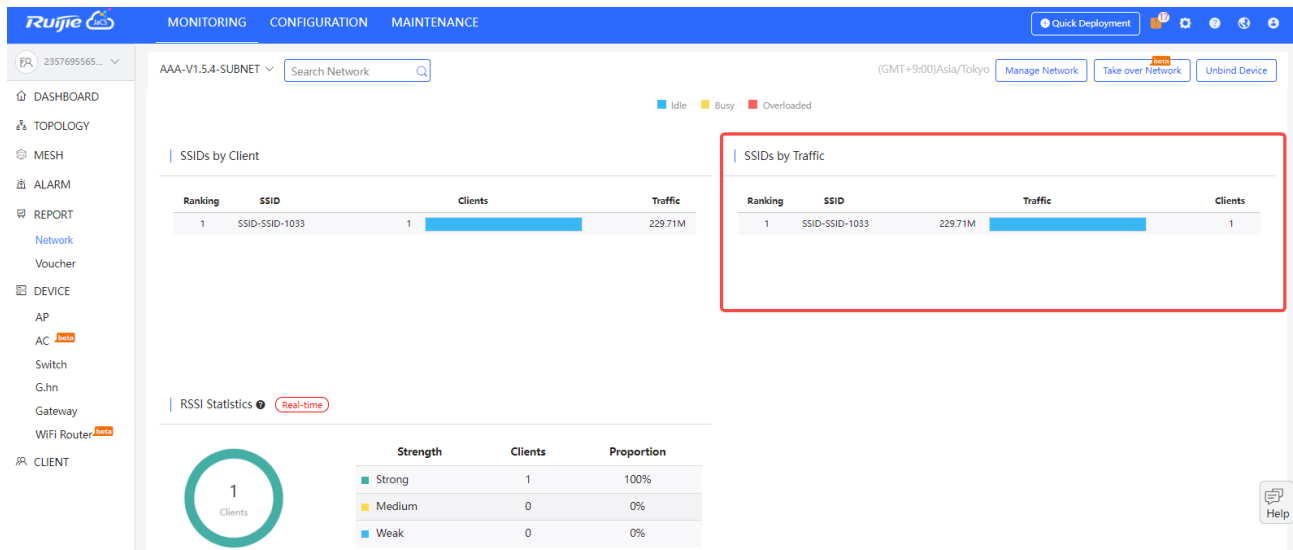
Overload: 80% to 100%

● Summary > SSIDs by Client



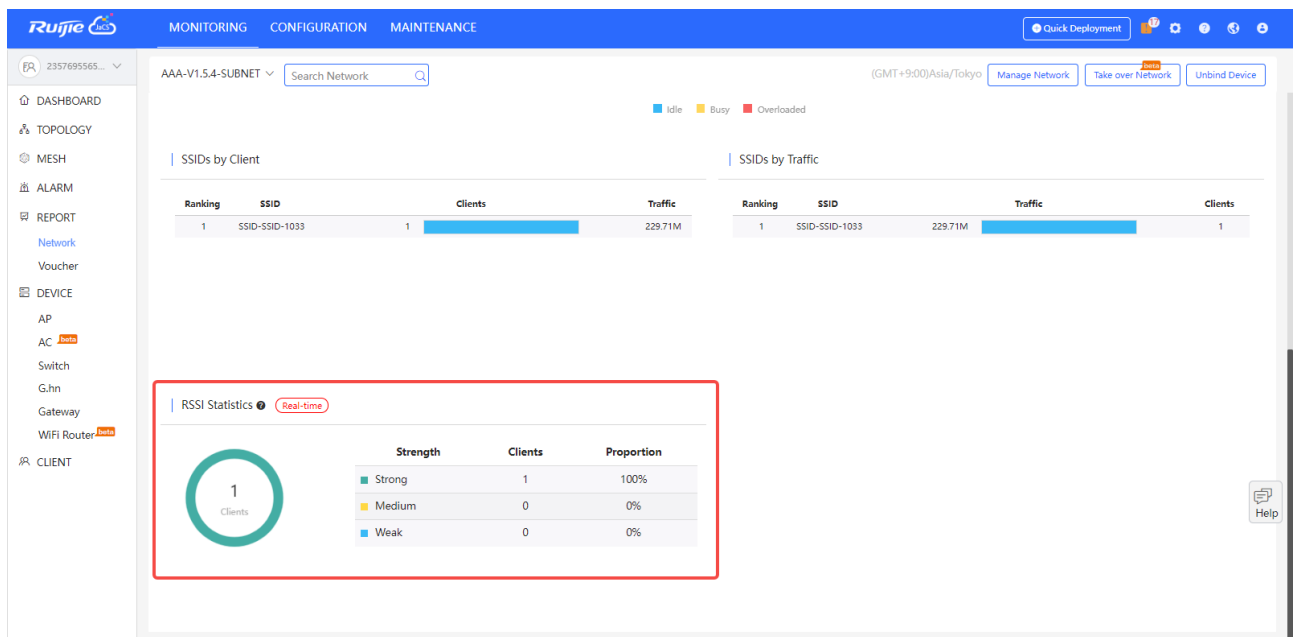
The SSIDs ranked by client number of the selected network during the specific period.

● Summary > SSIDs by Traffic



The SSIDs ranked by traffic of the selected network during the specific period.

● Summary > RSSI Statistics



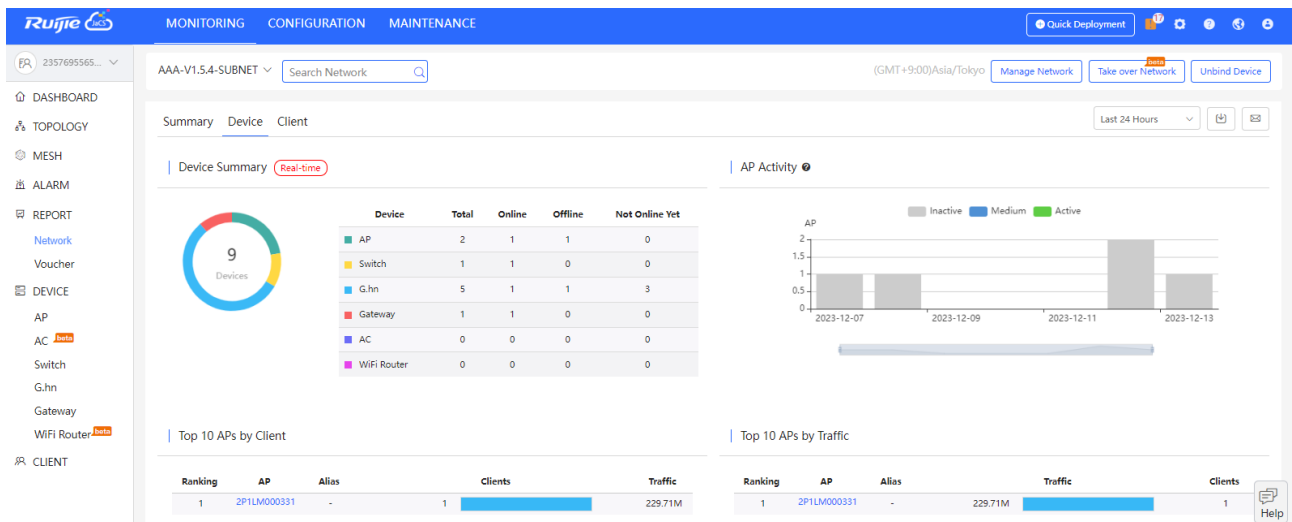
The wireless signal strength of the selected network during the specific period. The signal intensity is defined below:

Weak: RSSI \leq -80dB

Medium: -80dB < RSSI \leq -70dB.

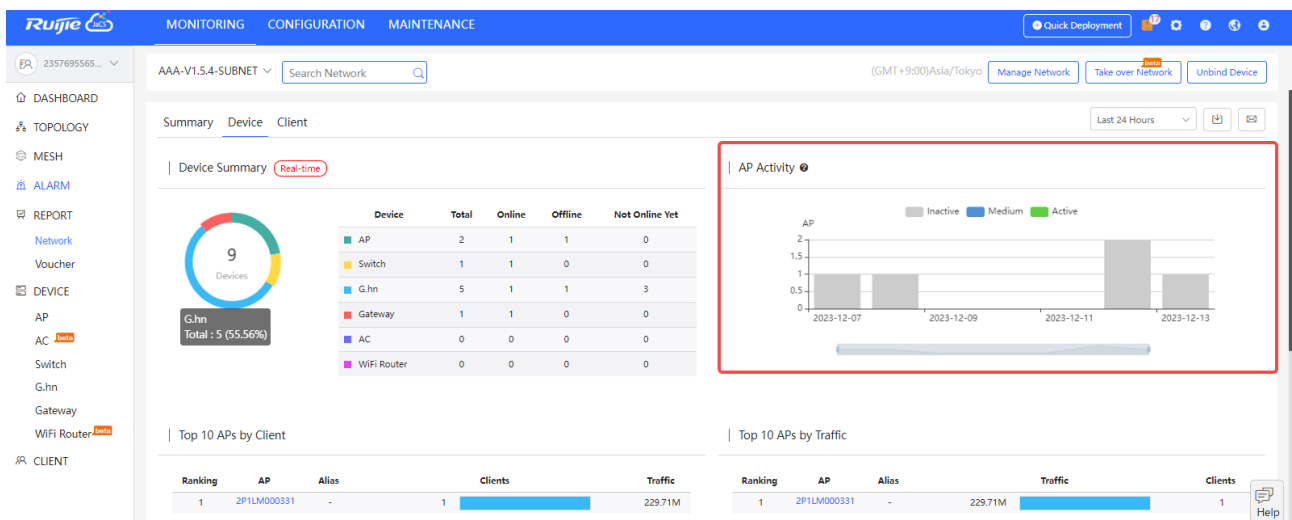
Strong: RSSI > -70dB

● Device > Device Summary



The online status of devices of the selected network during the specific period.

● Device > AP Activity



The AP activity of the selected network during the specific period. The chart does not support searching data in the last 24 hours.

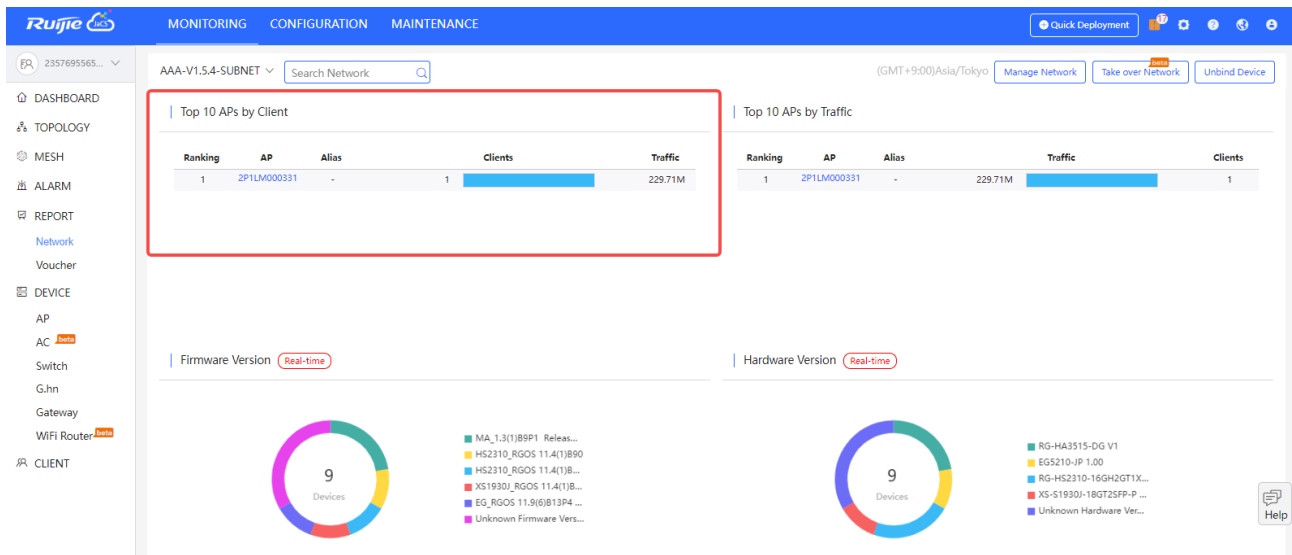
AP activity is evaluated based on the number of active clients accessing the AP in a day. APs not associated with any clients are not calculated.

Inactive: <5 active clients

Medium: 5-9 active clients

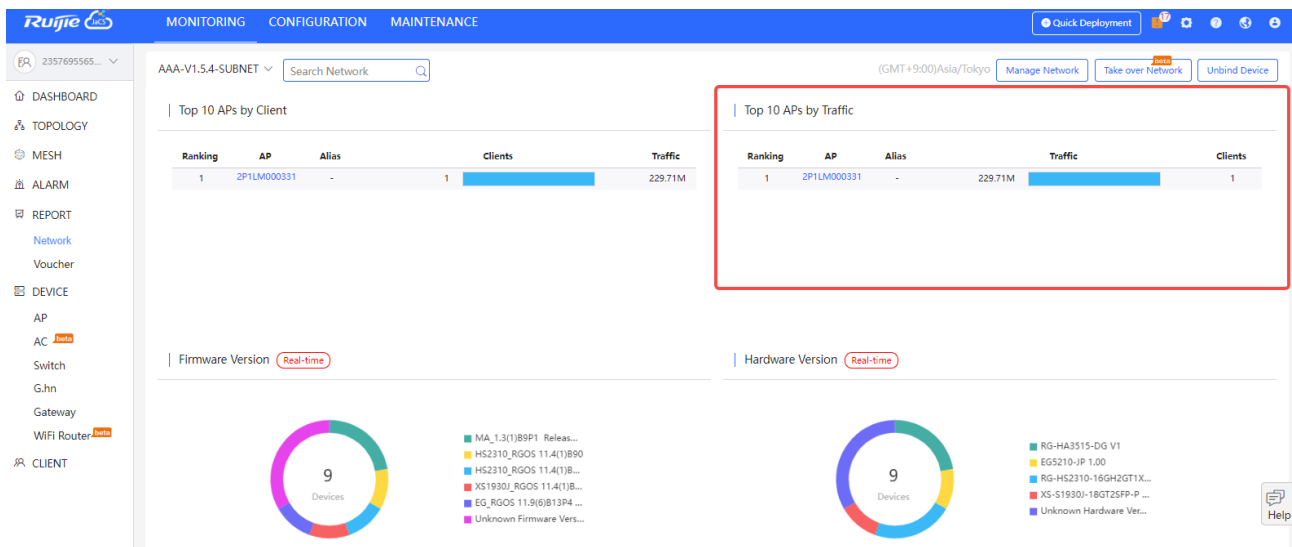
Active: ≥10 active clients.

● Device > Top 10 APs by Client



The top 10 APs ranked by client number of the selected network during the specific period.

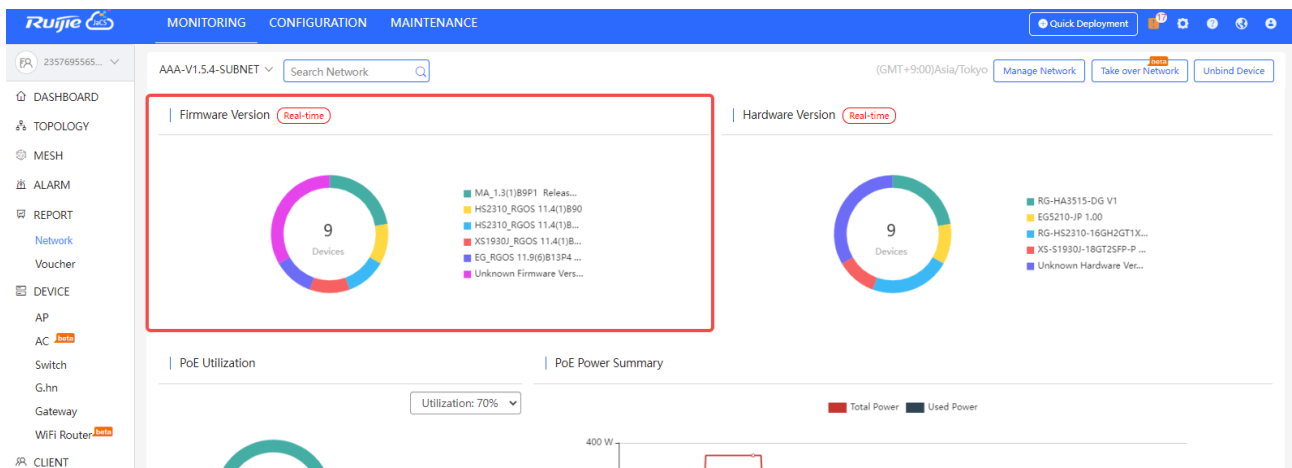
● Device > Top 10 APs by Traffic



The top 10 APs ranked by traffic of the selected network during the specific period.

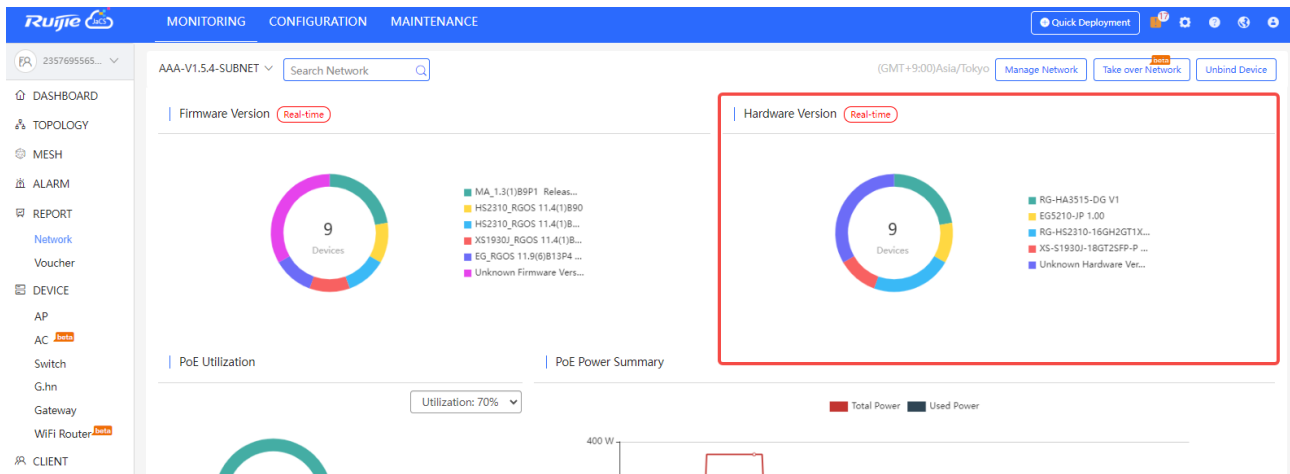
● Device > Firmware Version

The proportion of firmware versions of the selected network during the specific period.



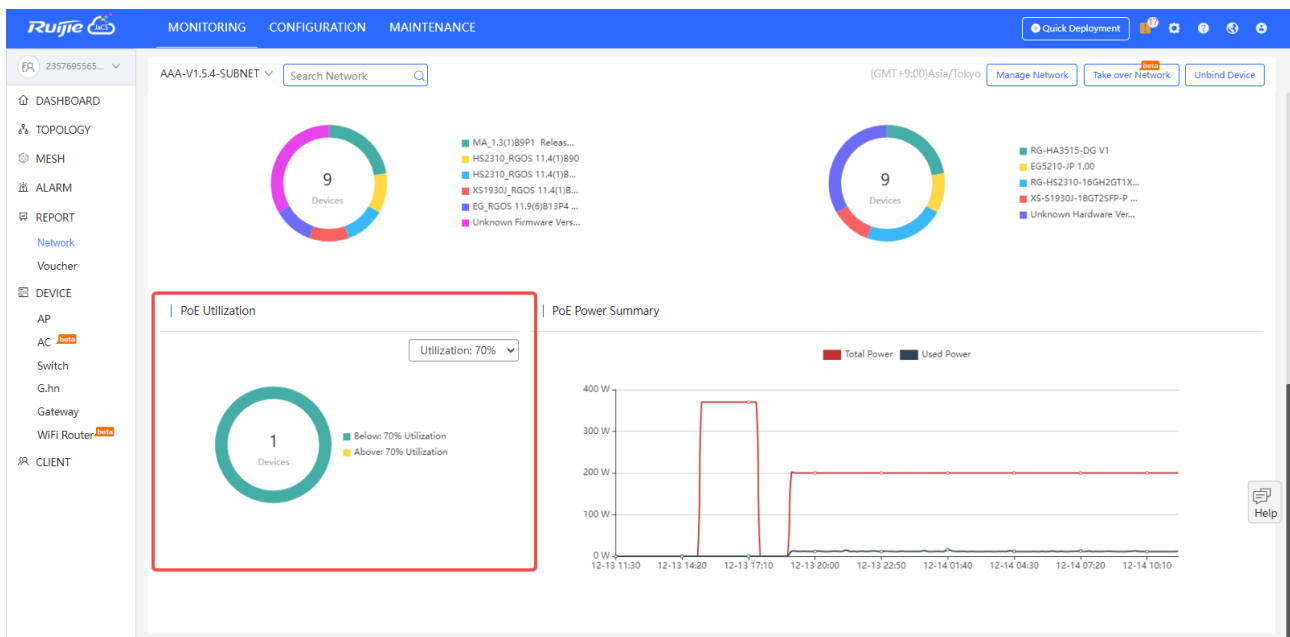
● Device > Hardware Version

The proportion of hardware versions of the selected network during the specific period.



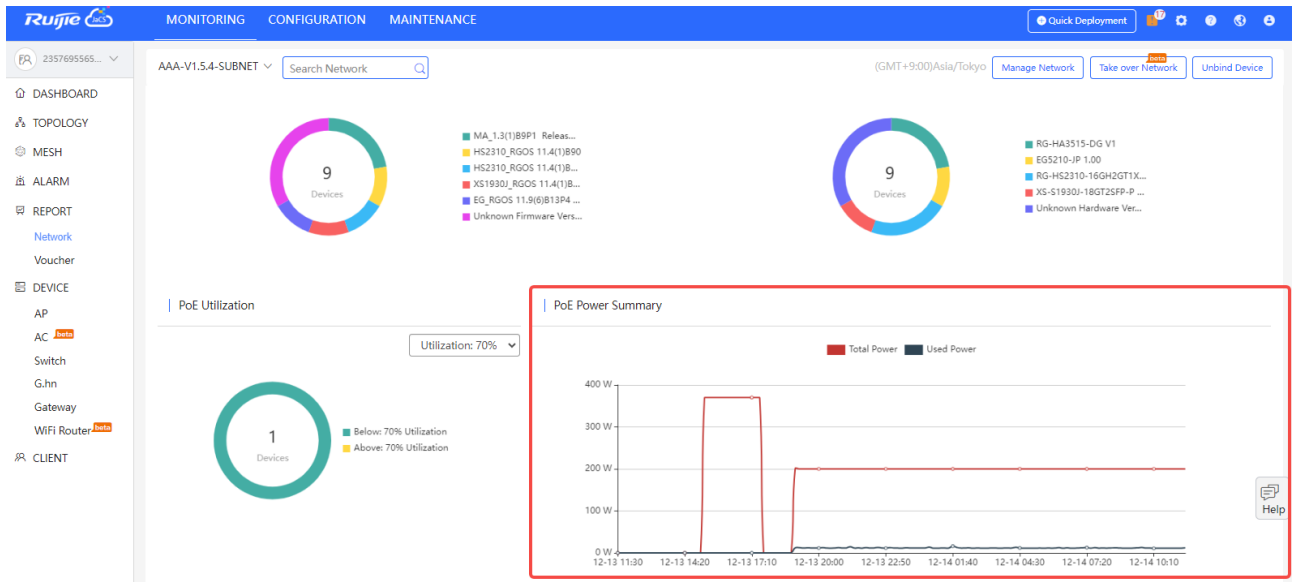
● Device > PoE Utilization

The numbers of PoE switches above and below the selected utilization percentage.

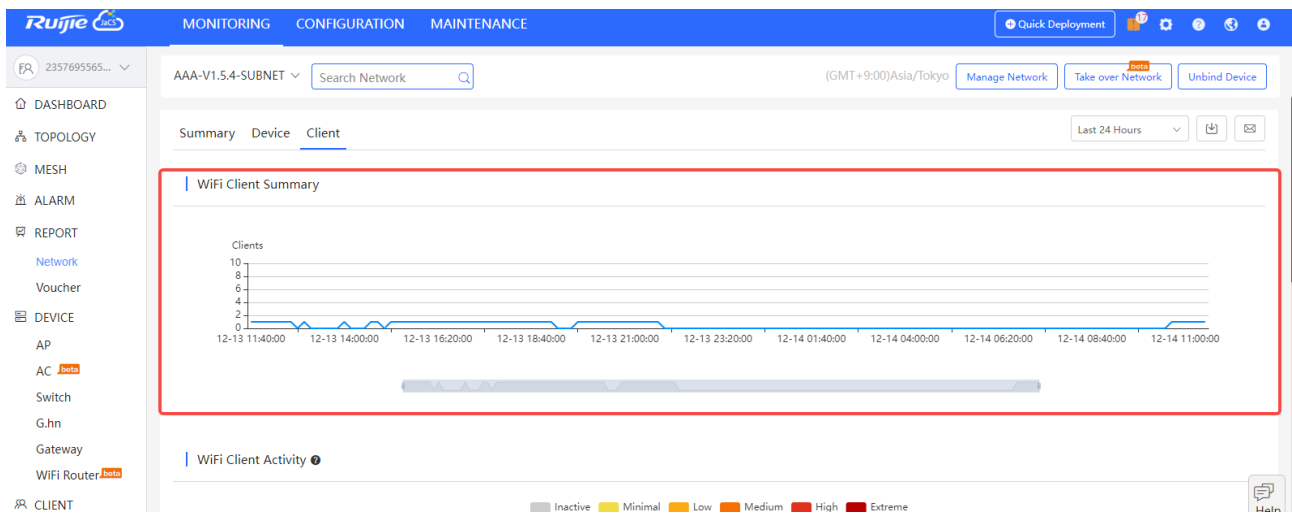


● Device > PoE Power Summary

The power summary of the entire PoE device, including the total power and used power.

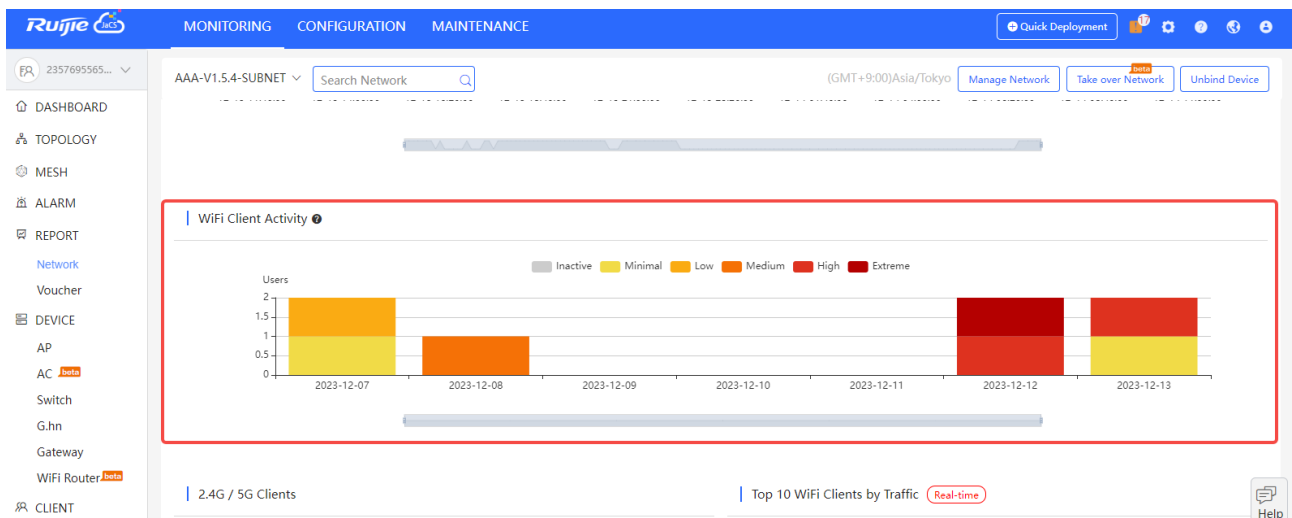


Client > WiFi Client Summary



The client summary of the selected network during the specific period.

Client > WiFi Client Activity



The client activity of the selected network during the specific period. The chart does not support searching data in the last 24 hours.

Client activity is evaluated based on online duration and traffic volume (from highest to lowest):

Inactive: $\leq 100\text{KB}$ traffic

Minimal: Any time and 100KB traffic

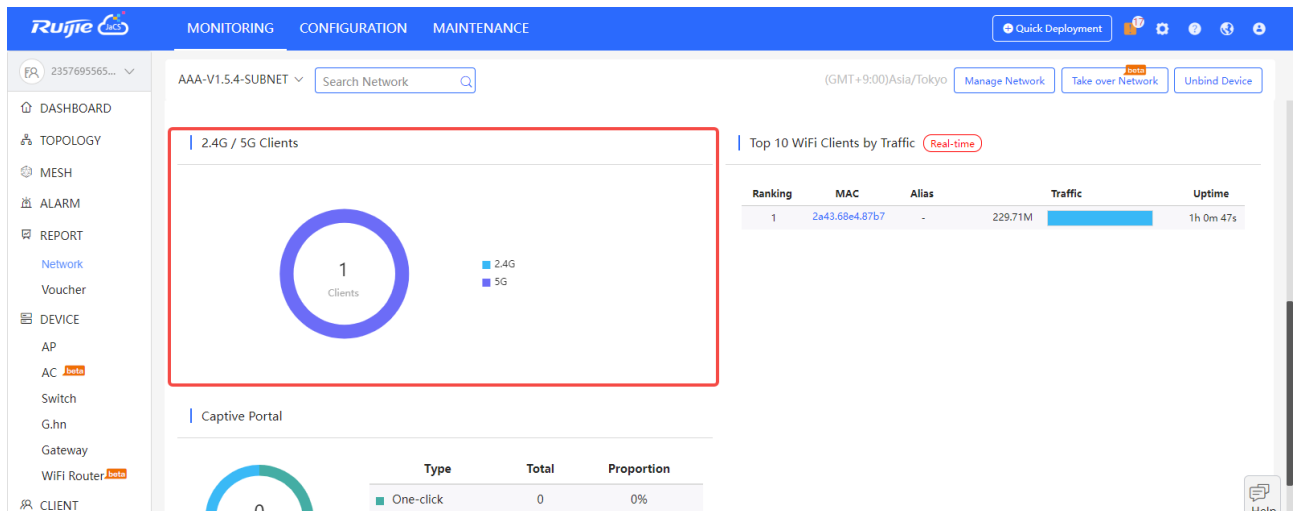
Low: 1h/d and 500K traffic

Medium: 2h/d time and 2M traffic

High: 4h/d time and 5MB traffic

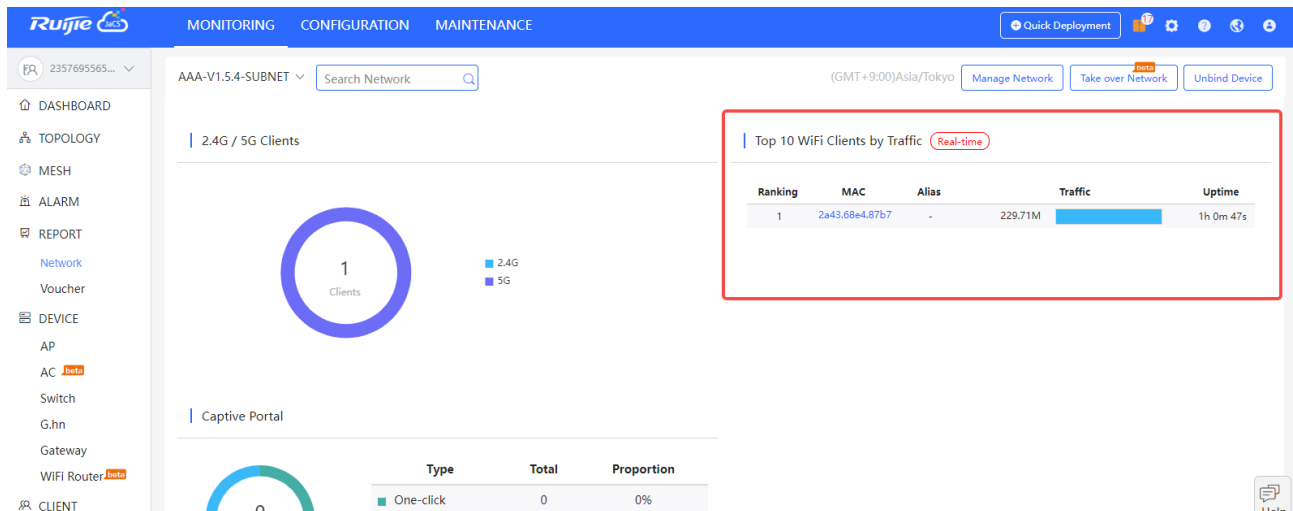
Extreme: 8h/d time and 10MB traffic

● Client > 2.4G / 5G Clients



The proportion of STAs using 2.4G/5G of the selected network during the specific period.

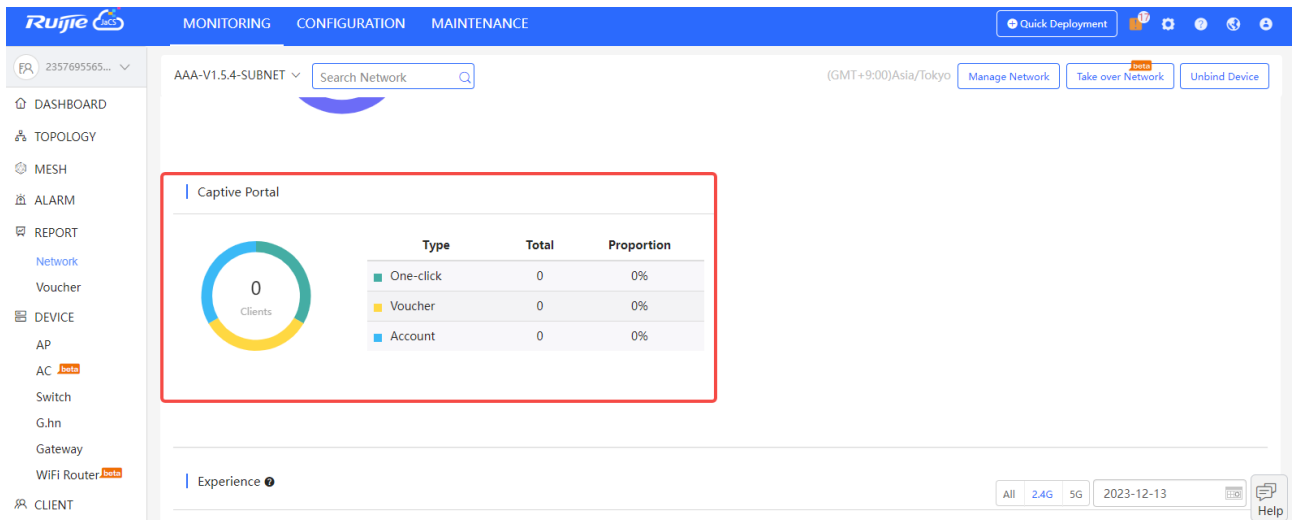
● Client > Top 10 WiFi Clients by Traffic



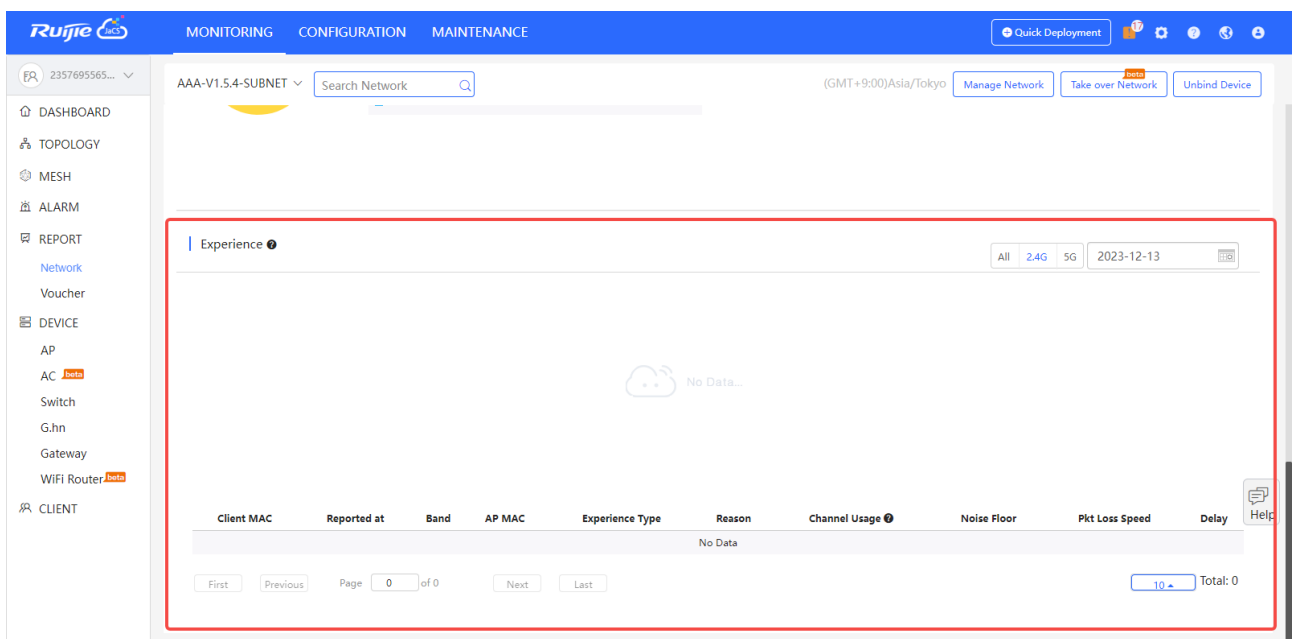
The top 10 clients ranked by traffic of the selected network during the specific period.

● Client > Captive Portal

The numbers and proportions of different portal authentication methods in the network. The statistics are refreshed every hour. Now 3 authentication methods (One-click, Voucher and Account) are supported.



● Client > Experience



The experience status during the specified time and collects data every 5 minutes. You can switch between 2.4GHz and 5 GHz.

Client information: Click an indicator bar to display more information.

Excellent: HDV and online game are available.

Good: communication application, Web page and VoIP are available.

Poor: go offline frequently or hard to go online.

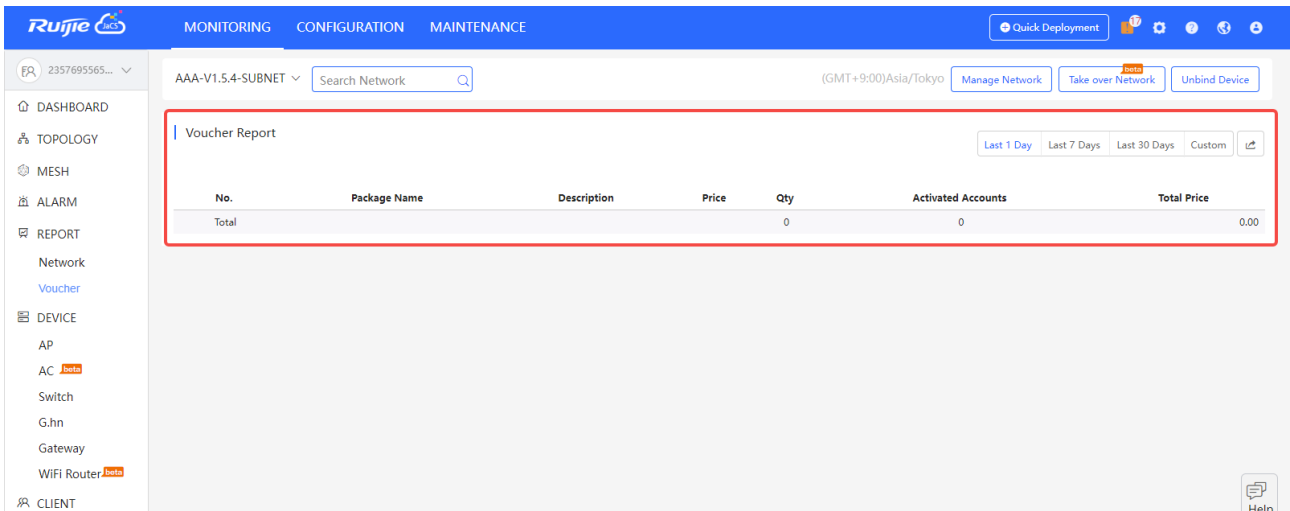
Inactive: check whether a client is inactive according to the traffic and power usage.

Score: Take the parameters of client delay, client packet loss, signal strength and so on as the reference, and then use the SVM algorithm to get the score.

5.5.2 Voucher

The **Voucher Report** records the sales of voucher during the specified period.

Click  to export the **Voucher Report** in PDF format.



Item	Description
Qty	Number of vouchers generated by each package in the specified period.
Activated Accounts	Number of vouchers activated by each package in the specified period.
Total Price	Total price of vouchers activated by each package in the specified period.
Total	Number of vouchers generated by all packages, number of vouchers activated by all packages and total amount of vouchers activated by all packages.

5.6 Device

Choose **MONITORING > DEVICE** to display the **Devices** page, and select a network on the top to filter devices.

5.6.1 AP

5.6.1.1 AP List

Non-apartment Scenario

The **AP List** displays basic device information, including online/offline status, SN, configuration status, MAC, alias, management IP, Egress IP, client quantity, network, firmware version, offline time, model and description.

The screenshot shows the Ruijie Monitoring interface for a non-apartment scenario. The 'AP List' is displayed with the following data:

Online Status	SN	Config Status	MAC	Alias	MGMT IP	Egress IP	Initialized Clients	Network	Firmware Version
Offline	G1PQDCD24546B	Not Synchronized	c0b8.e6f9.4921	1234567890123456789012345678901234567890	192.168.1.7	172.20.93.37	No	default	MA_1.0(1)B2P1, Release(0921231)
Not Online Yet	11RP1LM010301	Not Synchronized		Empty			No	default	
Not Online Yet	152TESTSHARE	Not Synchronized		Empty			No	default	

Apartment Scenario

The **AP List** displays basic device information, including the online/offline status, SN, configuration status, MAC, alias, management IP, Egress IP, client number, network, firmware version, offline time, model, building name, room, remark and description.

The screenshot shows the Ruijie Monitoring interface for an apartment scenario. The 'AP List' is displayed with the following data:

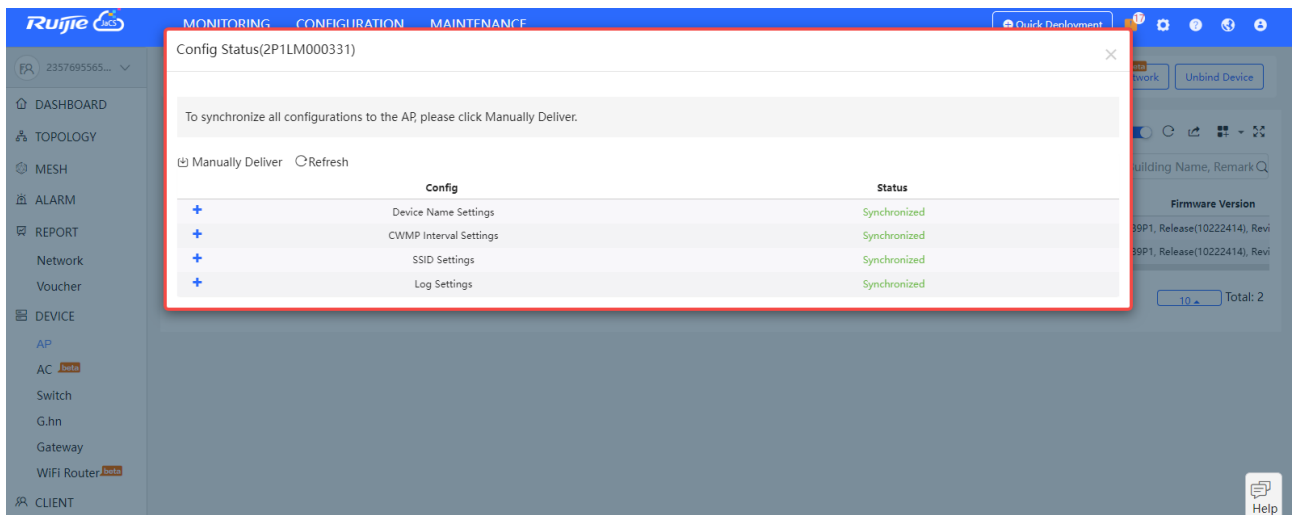
Online Status	SN	Alias	Config Status	Network	Room	Building Name	Remark	MAC	MGMT IP	Egress IP	Initialized Clients	Firmware Version	Last Seen On	Model	Description	Action
Not Online Yet	APARTNET4001	Empty	Not Synchronized	apart_net4	-	-	-	-	-	-	No	-	-	-	Empty	
Not Online Yet	APARTNET4002	Empty	Not Synchronized	apart_net4	-	-	-	-	-	-	No	-	-	-	Empty	
Not Online Yet	APARTNET4003	Empty	Not Synchronized	apart_net4	-	-	-	-	-	-	No	-	-	-	Empty	
Not Online Yet	APARTNET4004	Empty	Not Synchronized	apart_net4	-	-	-	-	-	-	No	-	-	-	Empty	

The **AP List** automatically refreshes every minute. Click **Auto Refresh:** to enable/disable the auto refresh function.

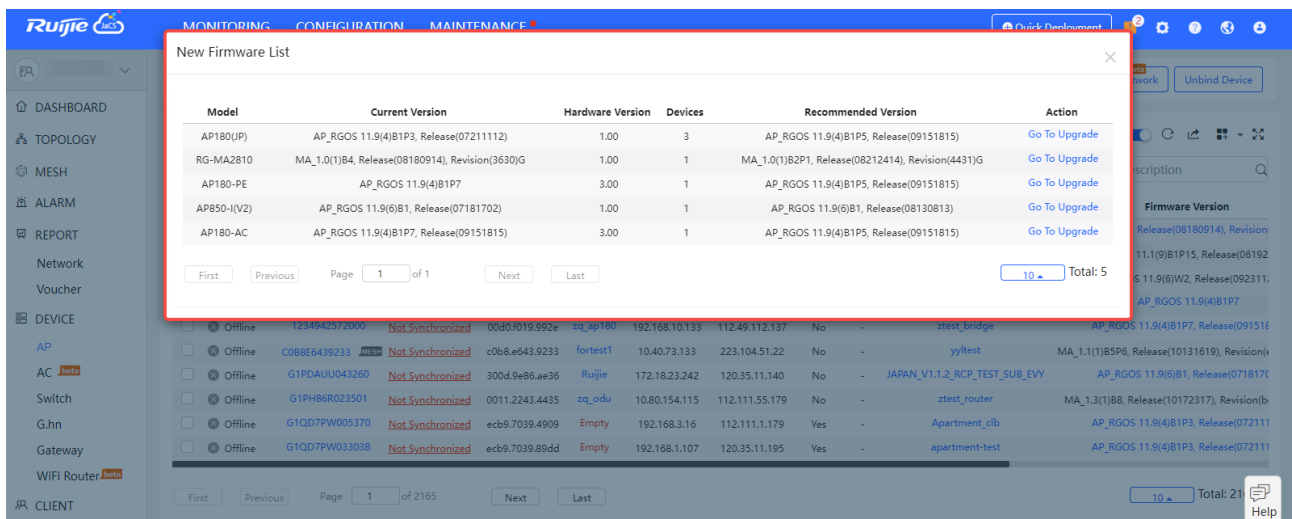
Above the list is the **Add AP**, **Web CLI** and **eWeb** functions. Click **More** to display the **Move to**, **Delete**, and **Reboot** functions. For more information, refer to **Basic AP Operations**.

In non-apartment scenario, the **Search** function supports fuzzy queries based on the serial number, alias and description, while in apartment scenario, it supports queries based on the serial number, room, building name and remark. It also supports queries based on online/offline status and configuration status in both scenarios.

Click the record in the **Config Status** column to open the **Config Status** page. On this page, you can deliver one or all configurations.

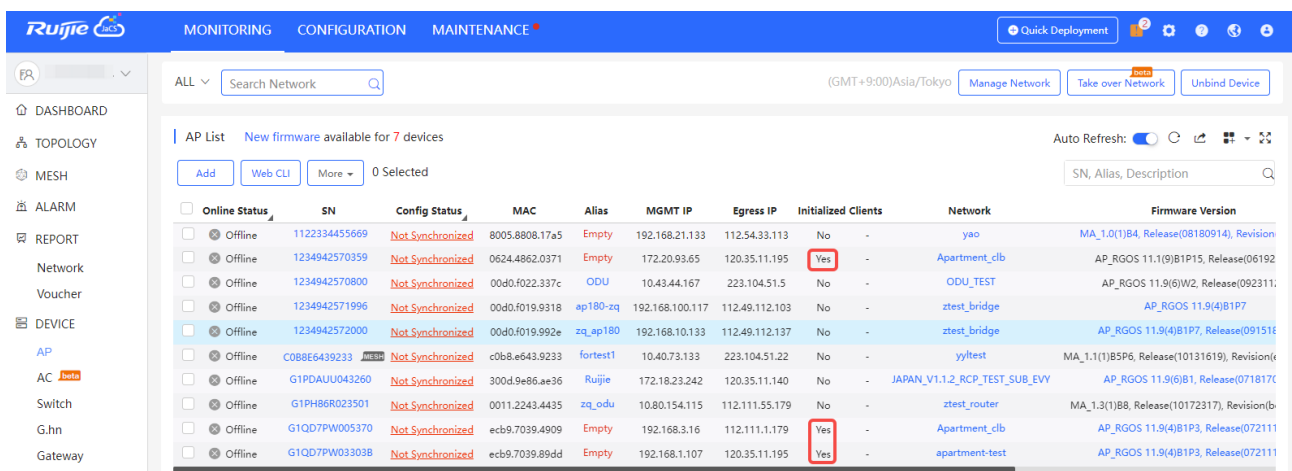


The number of devices which have available firmware for upgrade is displayed on the upper-left corner of the **AP List** page. Click **New Firmware** to display the **New Firmware List**. Then click **Go To Upgrade** to enter the **MAINTENANCE > UPGRADE > Upgrade** page.



For more information, refer to **Device Details**.

If an initial configuration template has been applied to the device, **Yes** will be shown in the initialized column.

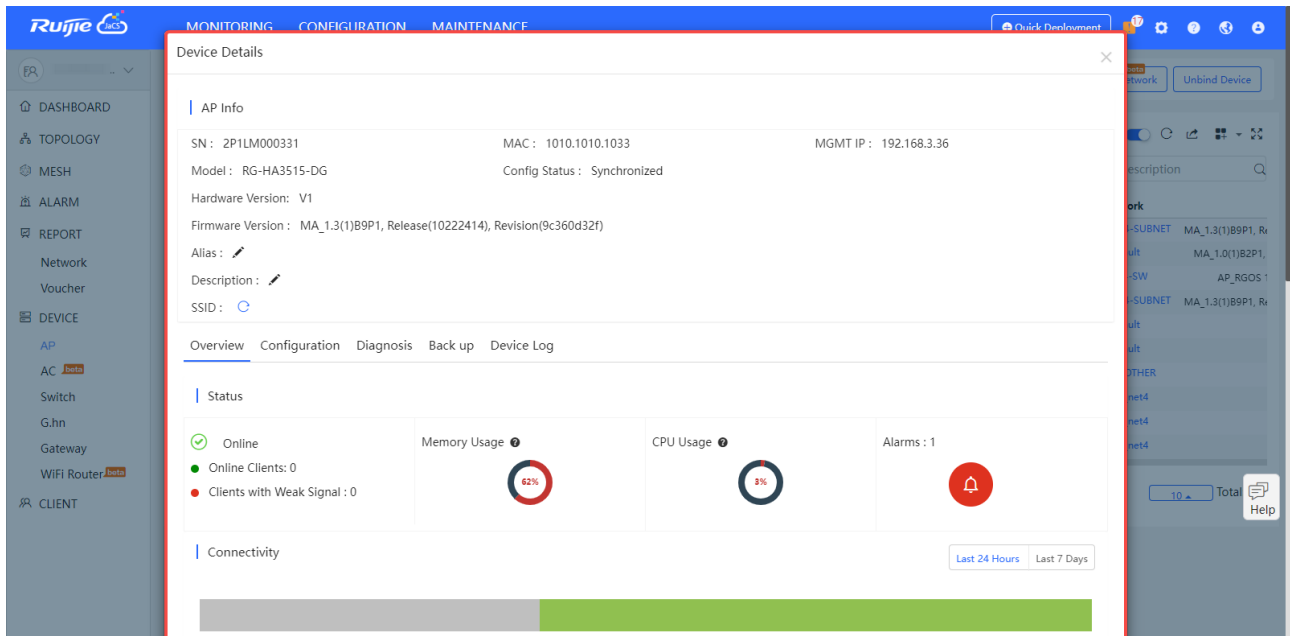


5.6.1.2 Device Details

Click the serial number in the AP list to open the details page for a single device. The page includes AP Info, Overview, Configuration, Diagnosis, Back up and Device Log.

- AP Info

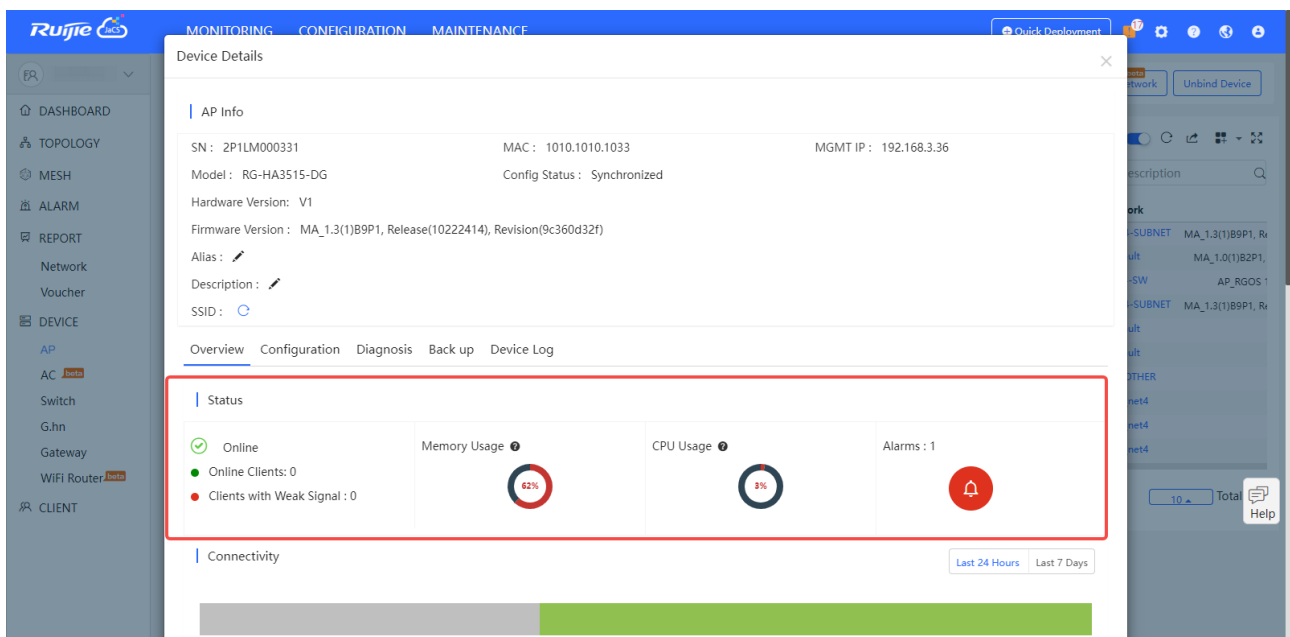
The basic information includes serial number, MAC address, management IP address, device model, configuration status, firmware version, hardware version, alias, and description.



- Overview

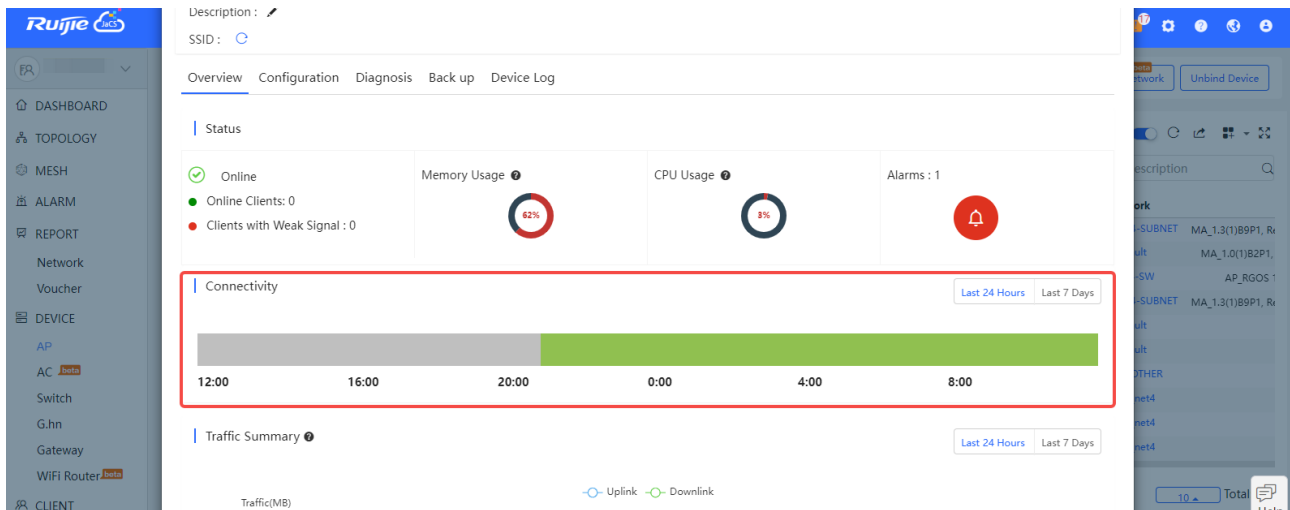
(1) Status

The performance data includes the AP connection status, online client count, CPU usage, and memory usage.



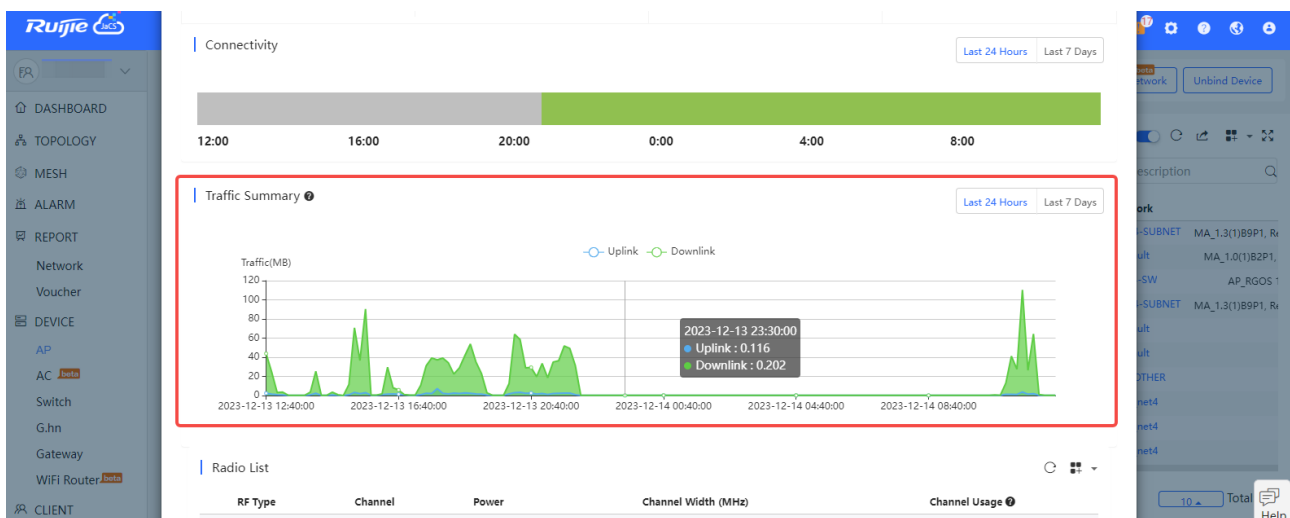
(2) Connectivity

AP connectivity refers to the connectivity (online status) between AP and Cloud Service within a period (1 day or 7 days).



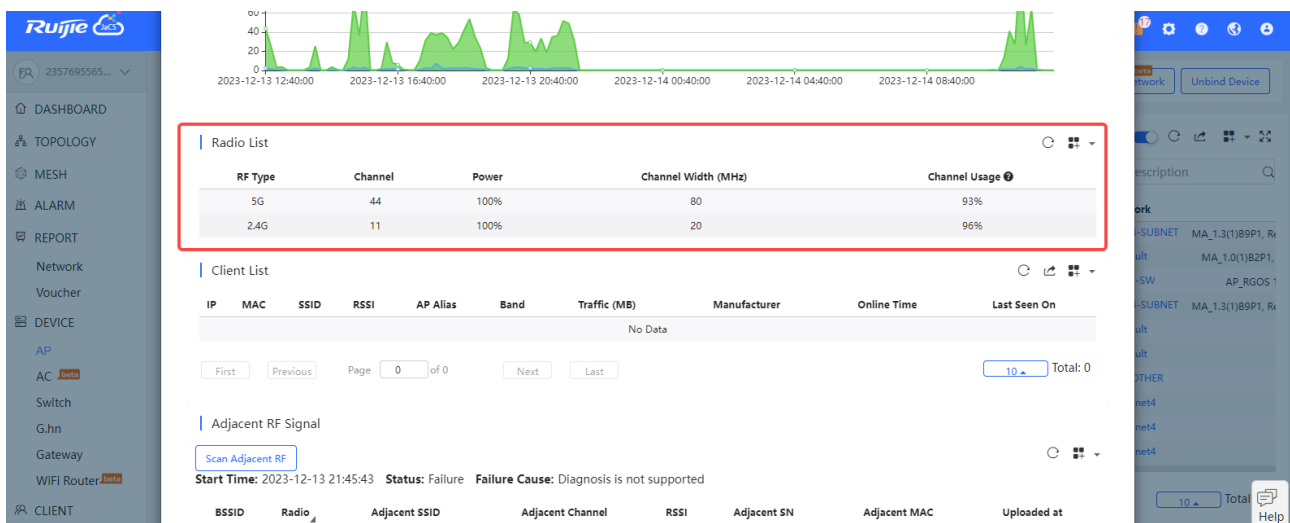
(3) Traffic Summary

You can select to view the AP traffic statistics in the last 24 hours or the last 1 week



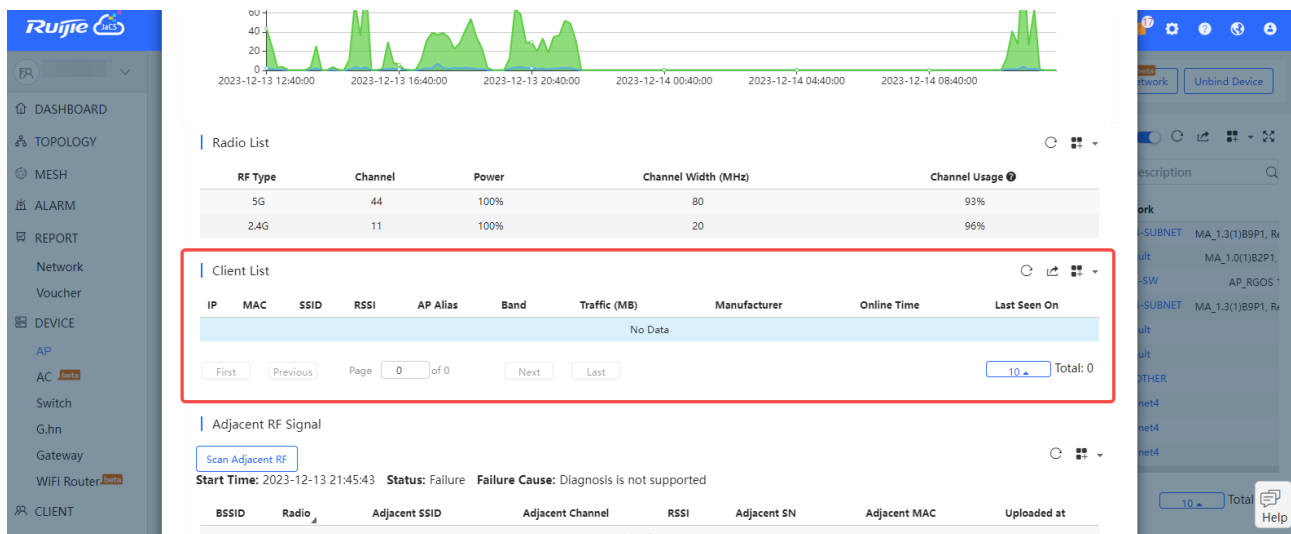
(4) Radio List

The **Radio List** page displays the RF information, including the RF type, current channel, power (percentage), channel bandwidth, channel usage.



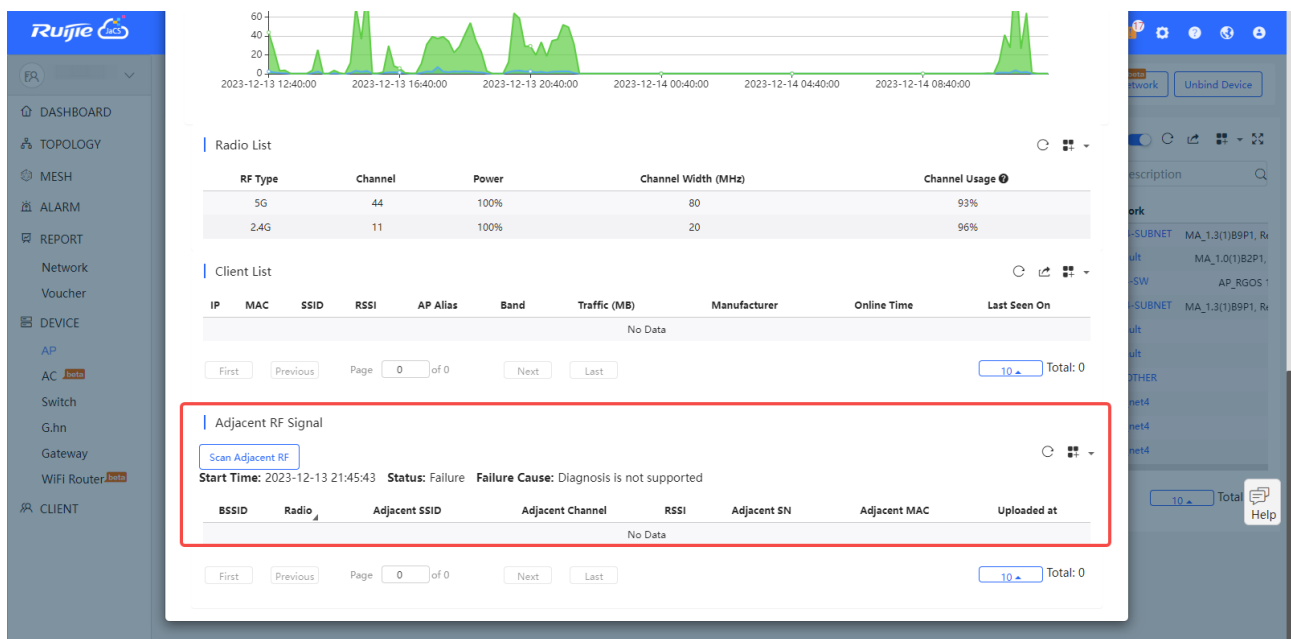
(5) Client List

The client list displays information about clients currently associated with the APs, including the IP address, MAC address, SSID, RSSI, traffic, online/offline status, terminal type and so on.



(6) Adjacent RF Signal

The **Adjacent RF Signal** page displays the RF signals (scanned BSSID) emitted by adjacent APs. The **Radio**, **Adjacent Channel**, and **RSSI** in the list are scanned information. If a signal comes from the AP managed by the cloud controller, the adjacent AP SN and adjacent MAC address will be identified and displayed; otherwise, these two items are in an unidentified state.



You can trigger APs to scan adjacent RF signals, and identified and unidentified RF signals can be observed. There are two known scenarios:

- Testing the number and strength of RF signals emitted by neighboring APs that are not managed by the system to predict a degree of RF interference.
- Identifying RF signals emitted by neighboring APs managed by the system to diagnose the RF functions and power-on status of neighboring APs.

On the device details page, you can perform adjacent RF scanning and check the scanning result. The following steps describe the method for scanning the adjacent RF signals:

Step 1: Click **Scan Adjacent RF** to trigger an AP to scan adjacent RF signals.

The screenshot shows the Ruijie Cloud interface with a modal dialog asking for confirmation to scan adjacent RF signals. The 'Adjacent RF Signal' section displays the following information:

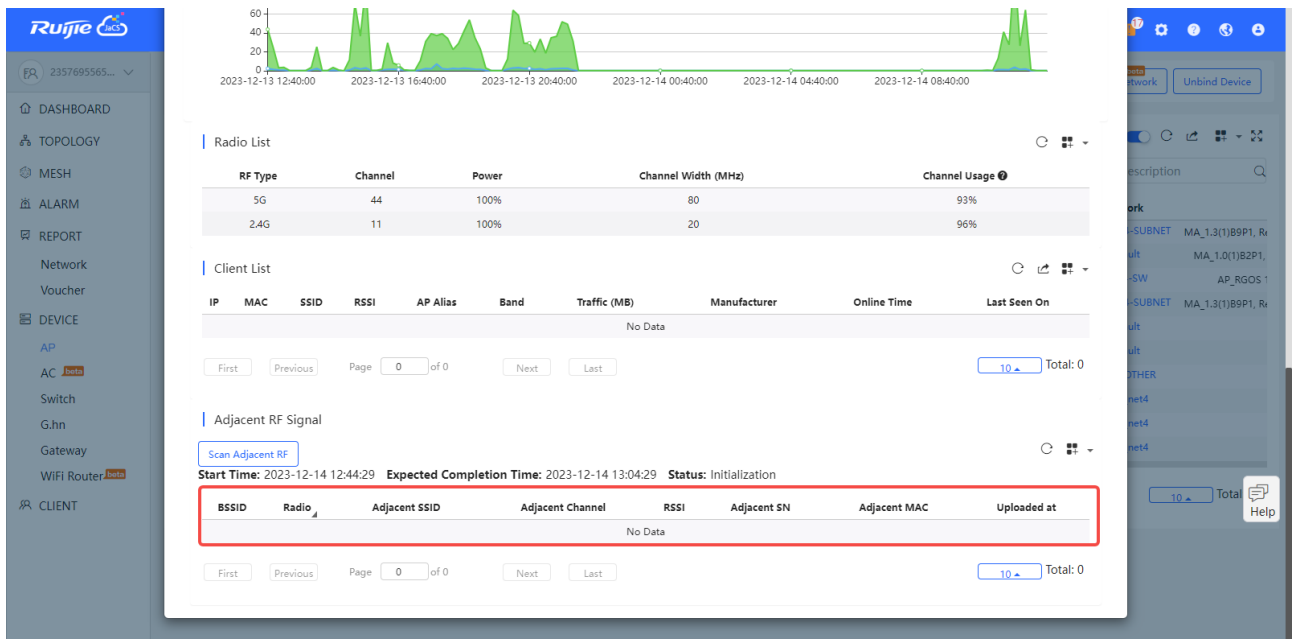
BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
No Data							

Step 2: After the AP is triggered, the trigger time, expected completion time, and status are displayed in the status bar. Then wait for the AP to finish scanning and send the results to the cloud controller.

The screenshot shows the Ruijie Cloud interface with the 'Scan Adjacent RF' process initiated. The 'Adjacent RF Signal' section displays the following information:

BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
No Data							

Step 3: A list of RF signals scanned by the AP is displayed after the scanning. The list supports a filtering function based on the RF type (2.4 GHz/5 GHz).



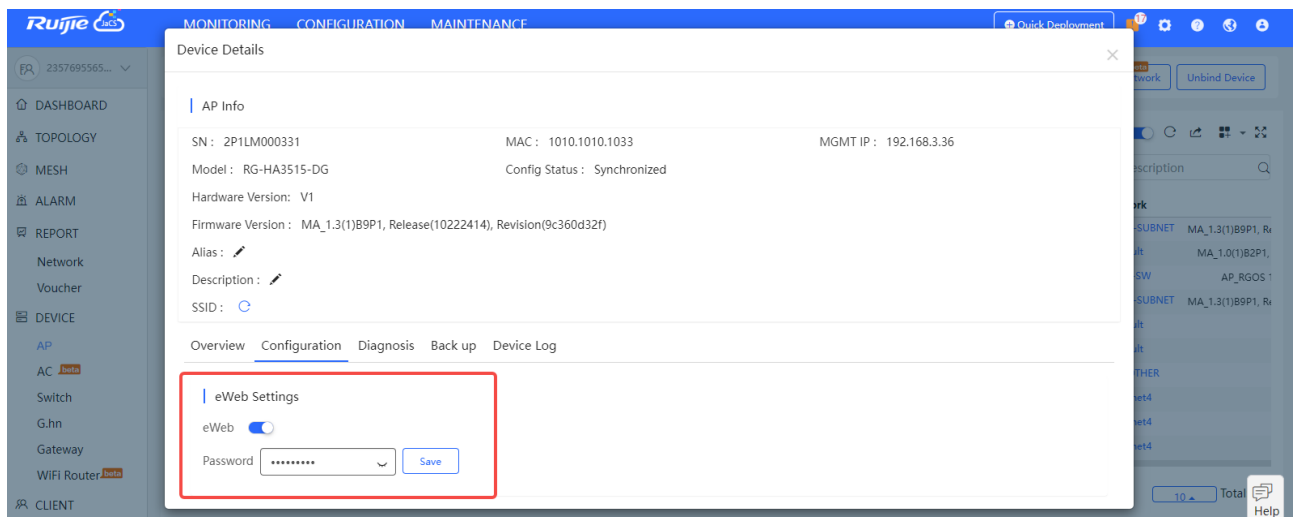
i The system stores the latest scanning results, which overwrites earlier data.

i If the adjacent AP SN and MAC address are unidentified, it indicates that the RF source is not managed by the system; otherwise, the RF signal is emitted by an AP.

● Configuration

(1) eWeb Settings

Support to enable and disable the entrance of a device's Web, and to configure the password of the Web admin account.

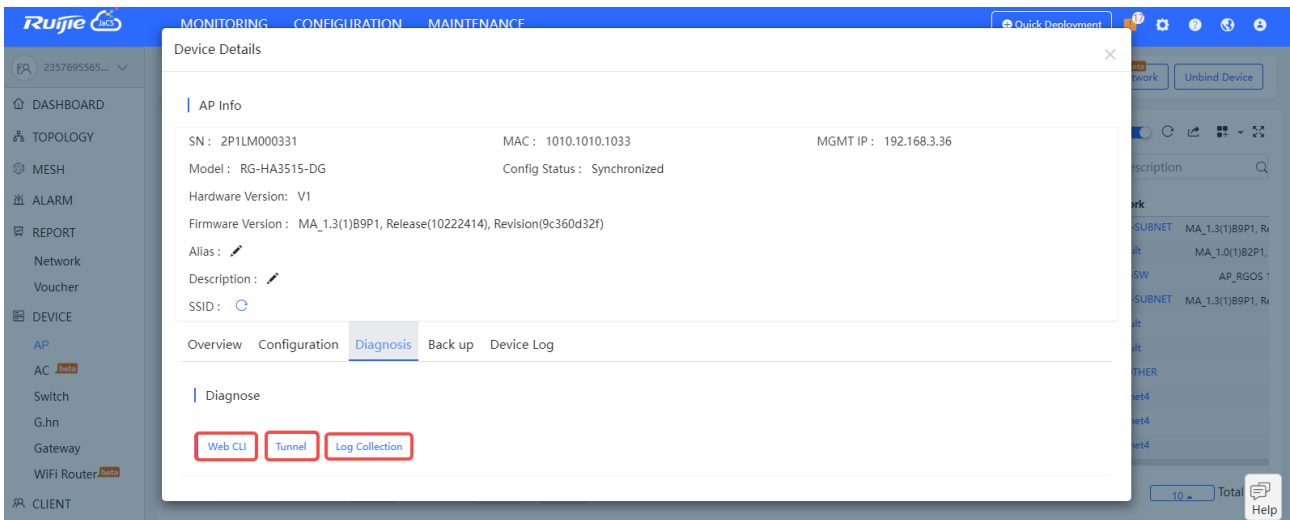


● Diagnose

Click **Web CLI** to open the CLI page of device.

Click **Tunnel** to create different types of tunnels, and check records and more information.

Click **Log collection** to export the logs of the devices. (Log collection is available only for MA series access points.)

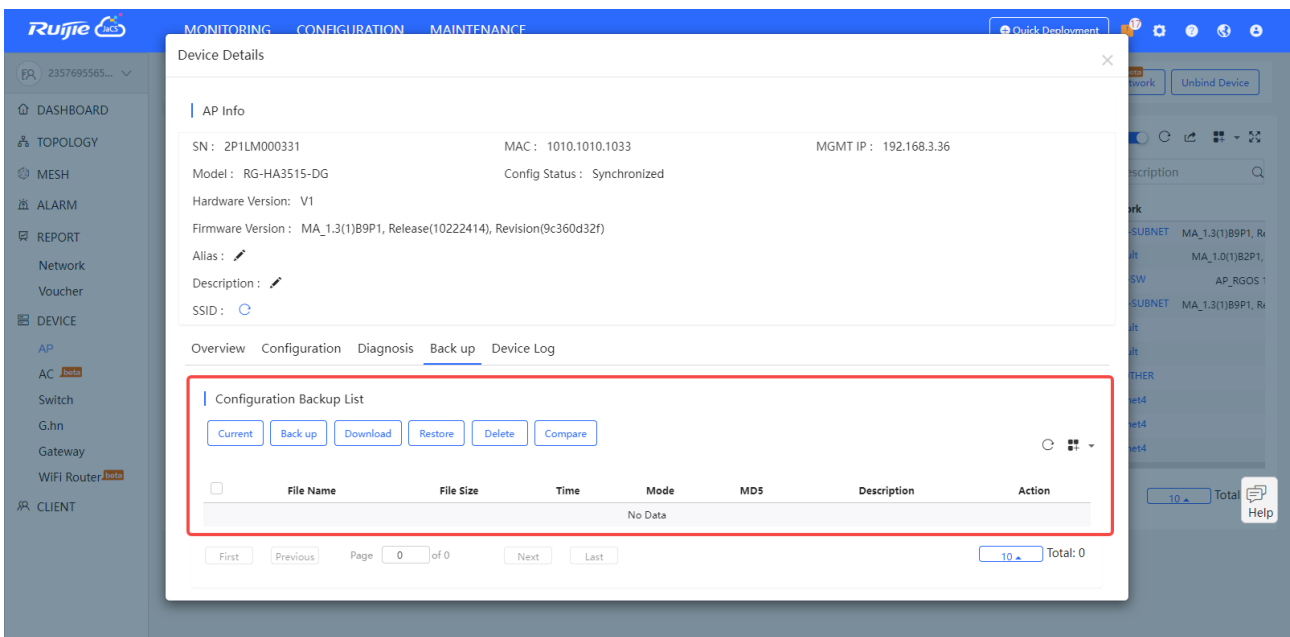


● Back up

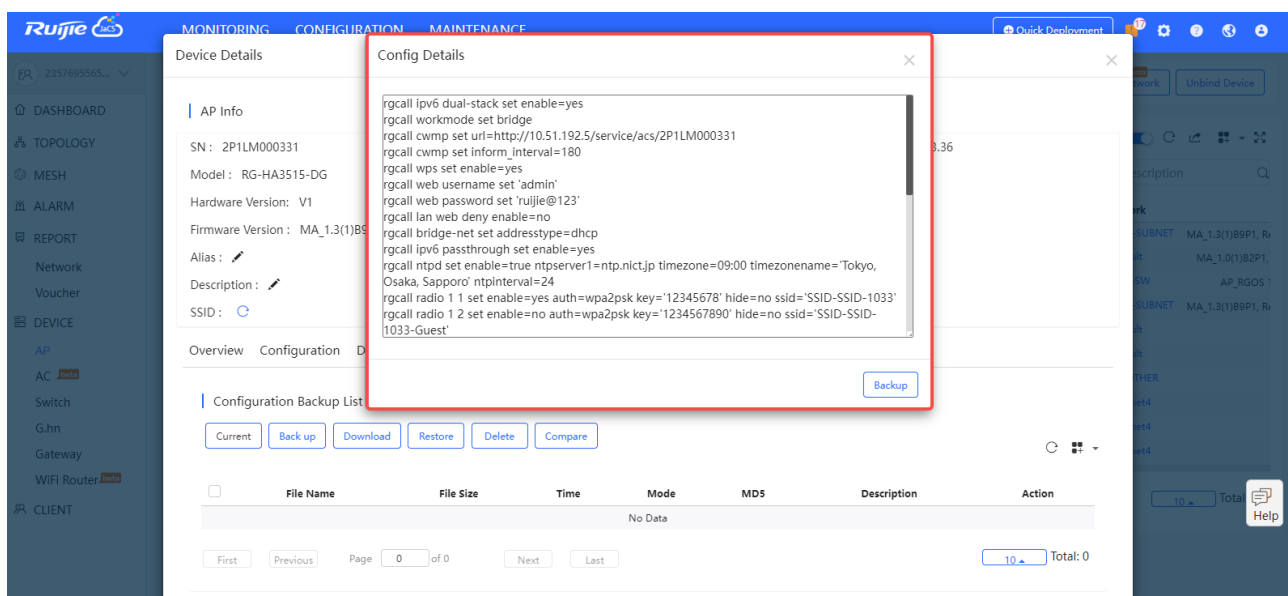
(1) Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

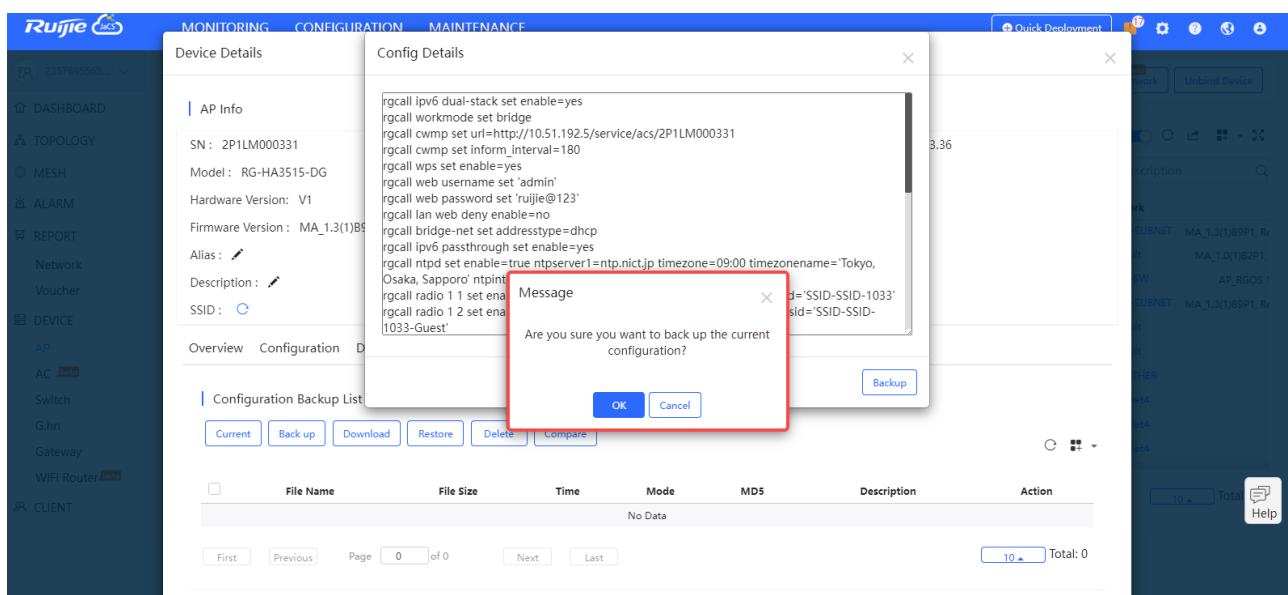
The function is supported only in the apartment scenario.



Click **Current** to display the current configuration. Click **Backup** in the **Config Details** page to back up the current configuration.



Click **Back up** and then click **OK** in the message box to back up the current configuration.



Select one record, and click **Download** to download the configuration file.

Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences.

Device Details

AP Info

SN: 2P1LM000331 MAC: 1010.1010.1033 MGMT IP: 192.168.3.36

Model: RG-HA3515-DG Config Status: Synchronized

Hardware Version: V1

Firmware Version: MA_1.3(1)B9P1, Release(10222414), Revision(9c360d32f)

Alias:

Description:

SSID:

Overview Configuration Diagnosis **Back up** Device Log

Configuration Backup List

Current Back up Download Restore Delete **Compare**

	File Name	File Size	Time	Mode	MD5	Description	Action
<input checked="" type="checkbox"/>	2P1LM000331_1702525764033	1.57K	2023-12-14 12:49:24	Manual	0d03f1cb2f517eb838cde06a4c7c8bb2	Manual backup	Details
<input checked="" type="checkbox"/>	2P1LM000331_1702525647030	1.57K	2023-12-14 12:47:27	Manual	a68e4cc4758c8a8e138c4d7632ec9995	Manual backup	Details

First Previous Page 1 of 1 Next Last Total: 2

Compare

2P1LM000331_1702525647030.txt

```

1 rgcall ipw dual-stack set enable=yes
2 rgcall workmode set bridge
3 rgcall cwp set url=http://10.51.192.5/service/acs/2P1LM000331
4 rgcall cwp set inform_interval=180
5 rgcall wps set enable=yes
6 rgcall web username set 'admin'
7 rgcall web password set 'Ruijie@123!'
8 rgcall lan web deny enable=no
9 rgcall bridge-net set addressstype=dhcp
10 rgcall ipw passthrough set enable=yes
11 rgcall ntpd set enable=true ntpserver=ntp.nict.jp timezone=09:00 timenome
12 rgcall radio 1 1 set enable=yes auth=wpa2psk key='12345678' hide=no ssid='S
13 rgcall radio 1 2 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
14 rgcall radio 1 3 set enable=no auth=wpa2psk key='12345678' hide=no ssid='S
15 rgcall radio 1 4 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
16 rgcall radio 1 5 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
17 rgcall radio 1 6 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
18 rgcall radio 2 1 set enable=yes auth=wpa2psk key='12345678' hide=no ssid='S
19 rgcall radio 2 2 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
20 rgcall radio 2 3 set enable=no auth=wpa2psk key='12345678' hide=no ssid='S
21 rgcall radio 2 4 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
22 rgcall radio 2 5 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
23 rgcall radio 2 6 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
24

```

2P1LM000331_1702525764033.txt

```

1 rgcall ipw dual-stack set enable=yes
2 rgcall workmode set bridge
3 rgcall cwp set url=http://10.51.192.5/service/acs/2P1LM000331
4 rgcall cwp set inform_interval=180
5 rgcall wps set enable=yes
6 rgcall web username set 'admin'
7 rgcall web password set 'admin@123!'
8 rgcall lan web deny enable=no
9 rgcall bridge-net set addressstype=dhcp
10 rgcall ipw passthrough set enable=yes
11 rgcall ntpd set enable=true ntpserver=ntp.nict.jp timezone=09:00 timenome
12 rgcall radio 1 1 set enable=yes auth=wpa2psk key='12345678' hide=no ssid='S
13 rgcall radio 1 2 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
14 rgcall radio 1 3 set enable=no auth=wpa2psk key='12345678' hide=no ssid='S
15 rgcall radio 1 4 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
16 rgcall radio 1 5 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
17 rgcall radio 1 6 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
18 rgcall radio 2 1 set enable=yes auth=wpa2psk key='12345678' hide=no ssid='S
19 rgcall radio 2 2 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
20 rgcall radio 2 3 set enable=no auth=wpa2psk key='12345678' hide=no ssid='S
21 rgcall radio 2 4 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
22 rgcall radio 2 5 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
23 rgcall radio 2 6 set enable=no auth=wpa2psk key='1234567890' hide=no ssid='
24

```

Description can be edited. Click **Details** in the **Action** column to check the backup configuration.

Device Details

AP Info

SN: 2P1LM000331 MAC: 1010.1010.1033 MGMT IP: 192.168.3.36

Model: RG-HA3515-DG Config Status: Synchronized

Hardware Version: V1

Firmware Version: MA_1.3(1)B9P1, Release(10222414), Revision(9c360d32f)

Alias:

Description:

SSID:

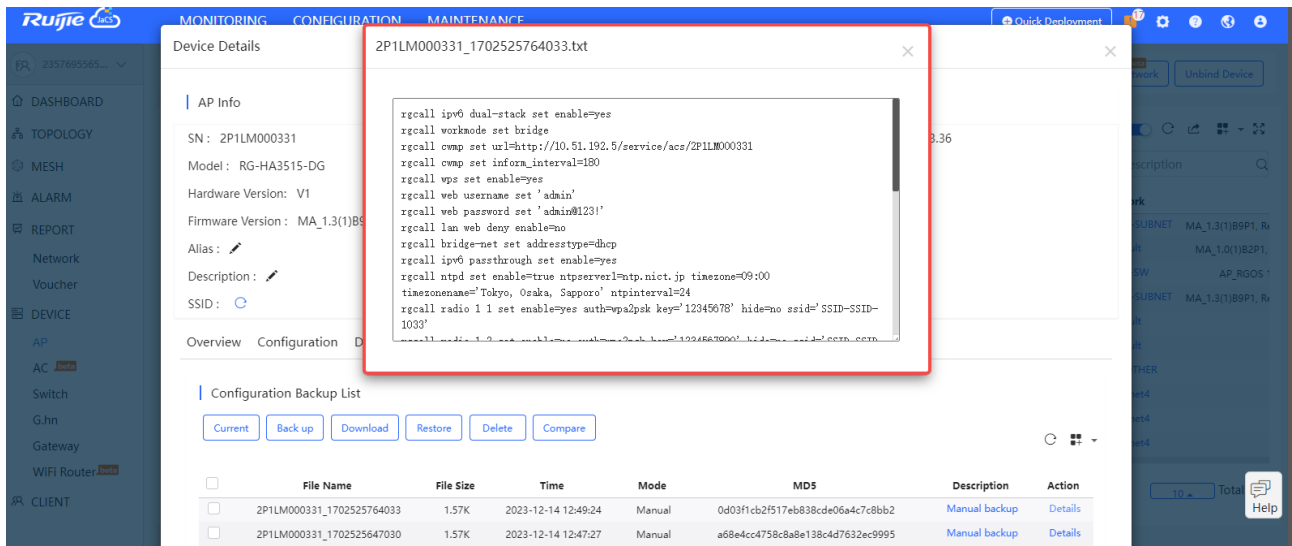
Overview Configuration Diagnosis **Back up** Device Log

Configuration Backup List

Current Back up Download Restore Delete **Compare**

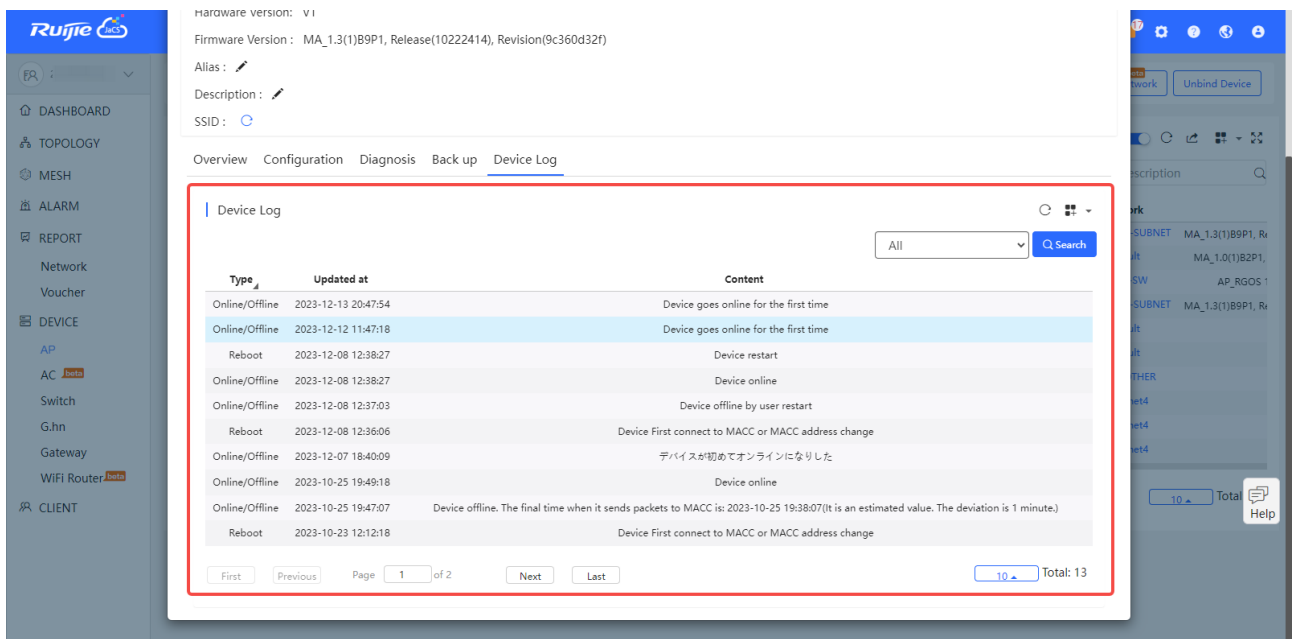
	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	2P1LM000331_1702525764033	1.57K	2023-12-14 12:49:24	Manual	0d03f1cb2f517eb838cde06a4c7c8bb2	Manual backup	Details
<input type="checkbox"/>	2P1LM000331_1702525647030	1.57K	2023-12-14 12:47:27	Manual	a68e4cc4758c8a8e138c4d7632ec9995	Manual backup	Details

First Previous Page 1 of 1 Next Last Total: 2



● Device Log

The device log records the historical operations, and currently supports the online/offline records, restart records, and upgrade records, and supports queries based on the log type and period.



5.6.1.3 Basic AP Operations

● Add AP

Select the network, and click **Add**. Both batch import and manual add are supported.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main area displays the 'AP List' table with columns: Online Status, SN, Alias, Config Status, Network, Room Building Name, Remark, MAC, MGMT IP, Egress IP, Initialized Clients, and Firmware Version. Two rows of APs are visible, one online and one offline. The bottom of the table shows pagination: Page 1 of 1, Total: 2.

Online Status	SN	Alias	Config Status	Network	Room Building Name	Remark	MAC	MGMT IP	Egress IP	Initialized Clients	Firmware Version
Online	2P1LM000331	Empty	Synchronized	AAA-V1.5.4-SUBNET	-	-	1010.1010.1033	192.168.3.36	10.52.24.66	No	MA_1.3(1)B9P1, Release(10222414), Revi
Offline	G1RP1LM000361	Empty	Synchronized	AAA-V1.5.4-SUBNET	-	-	9c2b.a6c2.3088	192.168.1.3	10.52.24.66	No	MA_1.3(1)B9P1, Release(10222414), Revi

Non-apartment Scenario

To batch import APs, click **Download Template** to download the template, enter AP information, and click **'xls' File** to import the template.

The screenshot shows the 'Add' dialog box in the Ruijie Cloud Monitoring interface. It contains a message: 'Download and fill in the template. Up to 200 records can be imported'. Below the message is an illustration of a computer monitor with an upload arrow and a paper airplane. At the bottom, there are buttons for '*xls* File', 'Download Template', 'Add Device', and 'Close'.

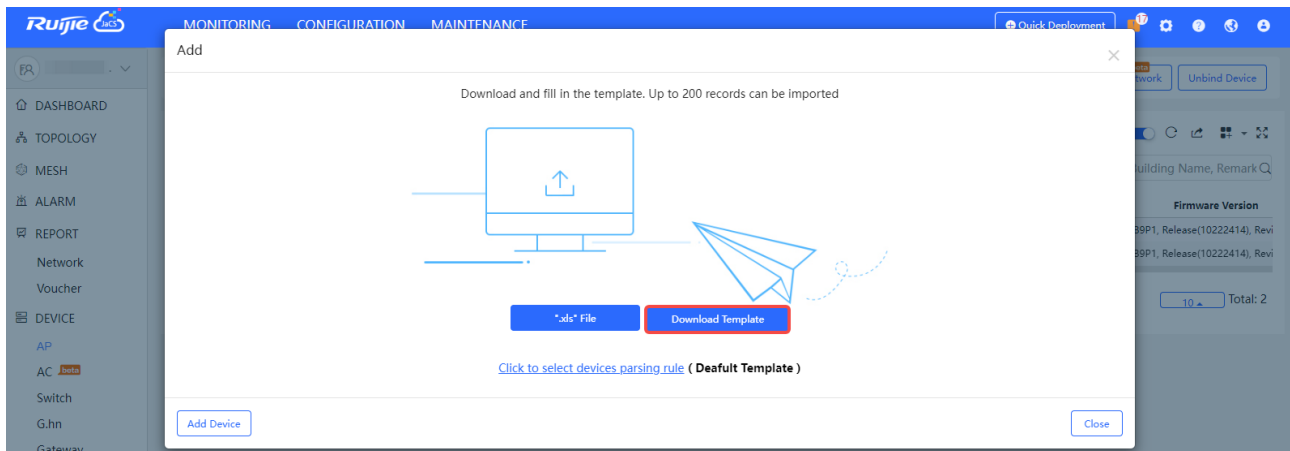
	A	B	C	D
1	SN	Alias	Latitude	Longitude
2				
3				

To manually add APs, click **Add a Device**, enter SN and alias of the AP, and click **OK**. Click **+** to add multiple APs.

The screenshot shows the 'Add' dialog box in the Ruijie Cloud Monitoring interface. It has input fields for 'SN' and 'Alias', a plus sign icon, and buttons for 'Batch Import', 'OK', and 'Close'.

Apartment Scenario

To batch import APs, click **Download Template** to download the template, enter AP information, and click **File** to import the template.



Model	SN	MAC	PN	SSID	SSID Password	Alias	Room	Building Name	Remark

Model: device model, **optional**

SN: device serial number, **mandatory**

MAC: device MAC address, **optional**

PN: device part number, **optional**

SSID/SSID Password: support up to 4 SSIDs/SSID passwords, and each SSID and password need to be separated by “ ”, **optional**

Alias: device alias, **optional**

Room: the room that installs the device, **optional**

Building Name: the building that installs the device, **optional**

Remark: device remark, **optional**

You can also customize the template in EXCEL file to import devices. In order to parse the EXCEL file correctly, you should first create and specify the parse role.

Step 1: Click **Click to select devices parsing rule**, and a new window pops up.

There will be one default rule.

1 Add

Check	Name	SnPosition	SsidPosition	SsidPasswordPosition	RoomPosition	BuildingNamePosition	RemarkPosition	Action
<input checked="" type="checkbox"/>	default	B2	E2	F2	H2	I2	J2	
<input type="checkbox"/>	0619	A2			C2	D2	B2	
<input type="checkbox"/>	061901	E2	H2	I2	B2	C2	D2	
<input type="checkbox"/>	chu_test_21	N14	P14	R14	F14	C14	D14	
<input type="checkbox"/>	define	P3	R3	T3	H3	D3	F3	

5 Previous 1/5 Next

1. **Add** button: Add a new rule

2. Menu bar: Display rule content

- **Name:** User defined name
- **snPosition:** Specify the starting position of SN in template
- **ssidPosition:** Specify the starting position of SSID in template
- **ssidPasswordPosition:** Specify the starting position of SSID's password in template
- **roomPosition:** Specify the starting position of room number in template
- **buildingNamePosition:** Specify the starting position of building name in template
- **RemarkPosition:** Specify the starting position of remark in template

If an entry is left empty, it will not be imported when importing the template.

※User can customize the EXCEL parsing rule from columns A to Z and rows 1 to 15.

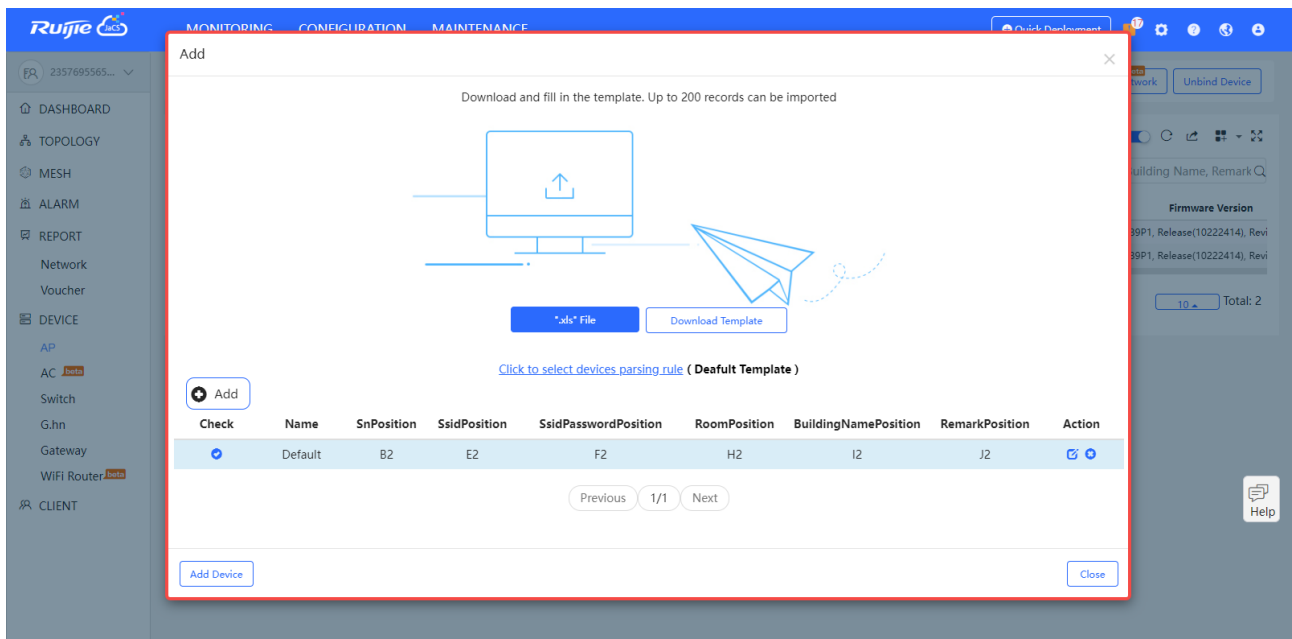
3. Check box: Only one rule can be selected at a time

4. Rule control button:

- : Edit the rule
- : Delete the rule
- : Set the rule as default rule

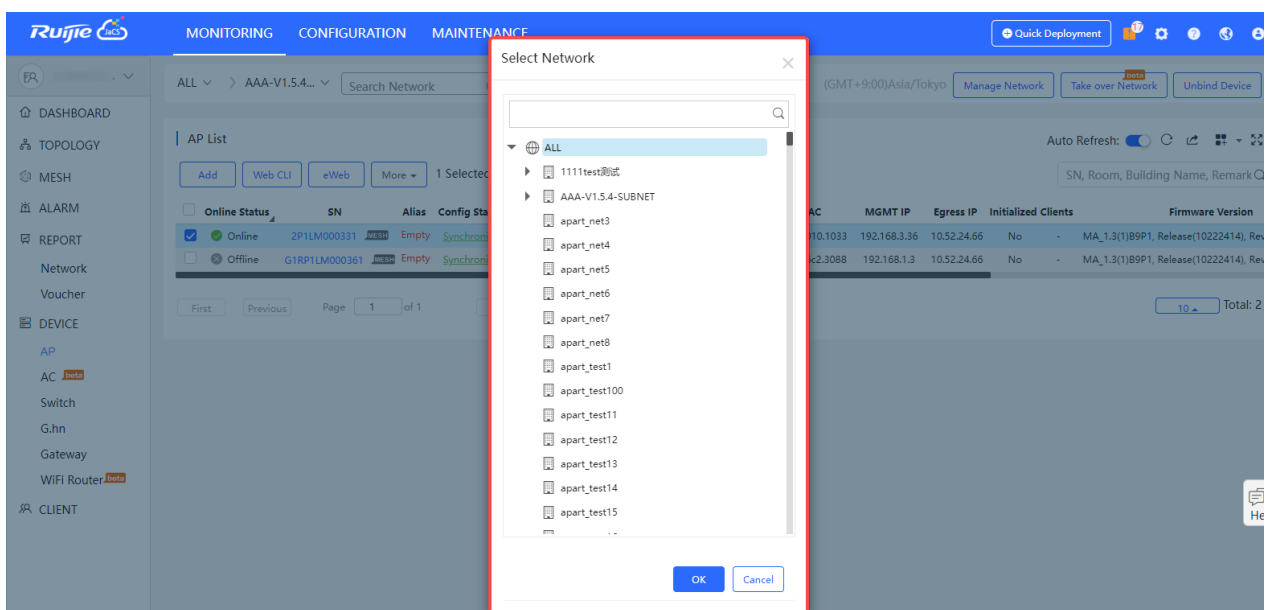
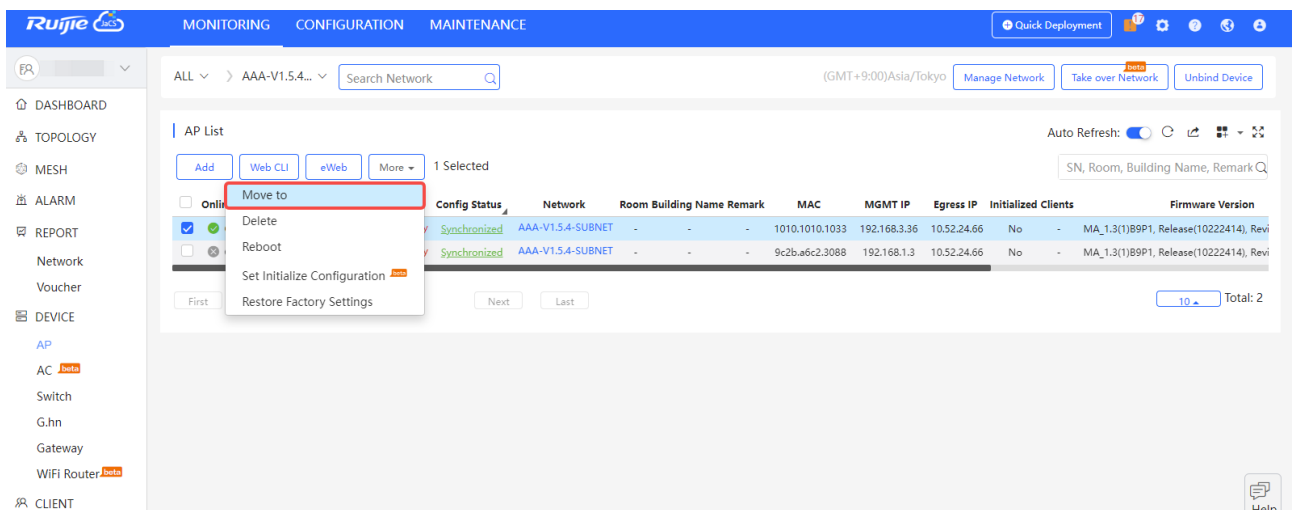
5. Page up and down button

Step 2: Import device by custom EXCEL file.



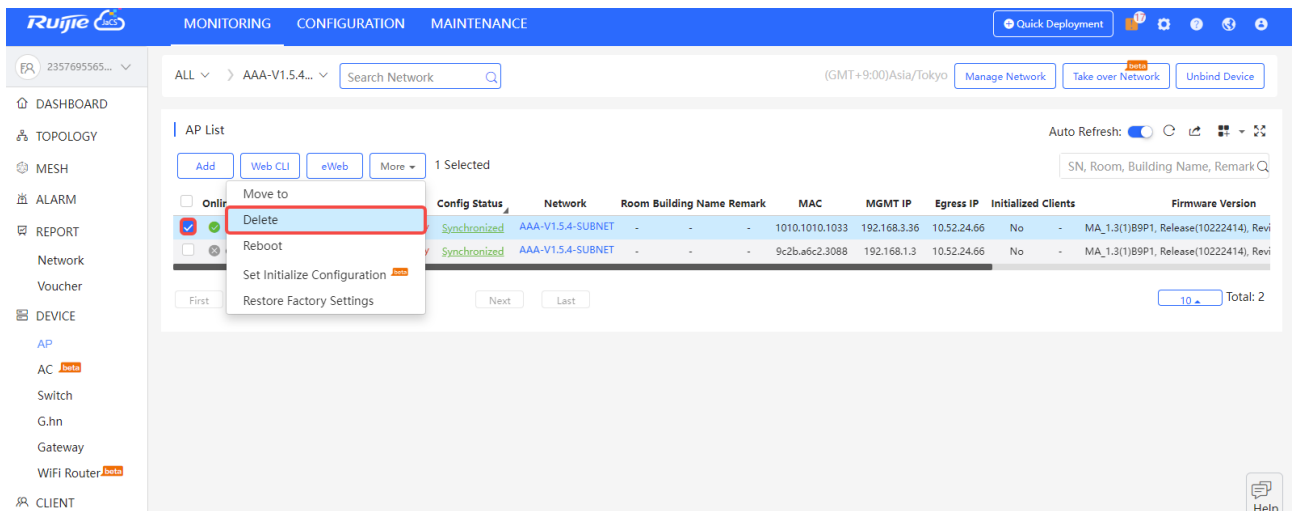
● Move to

Select one or multiple devices in the **AP List**, click **More > Move to**, select the new network and click **OK**.



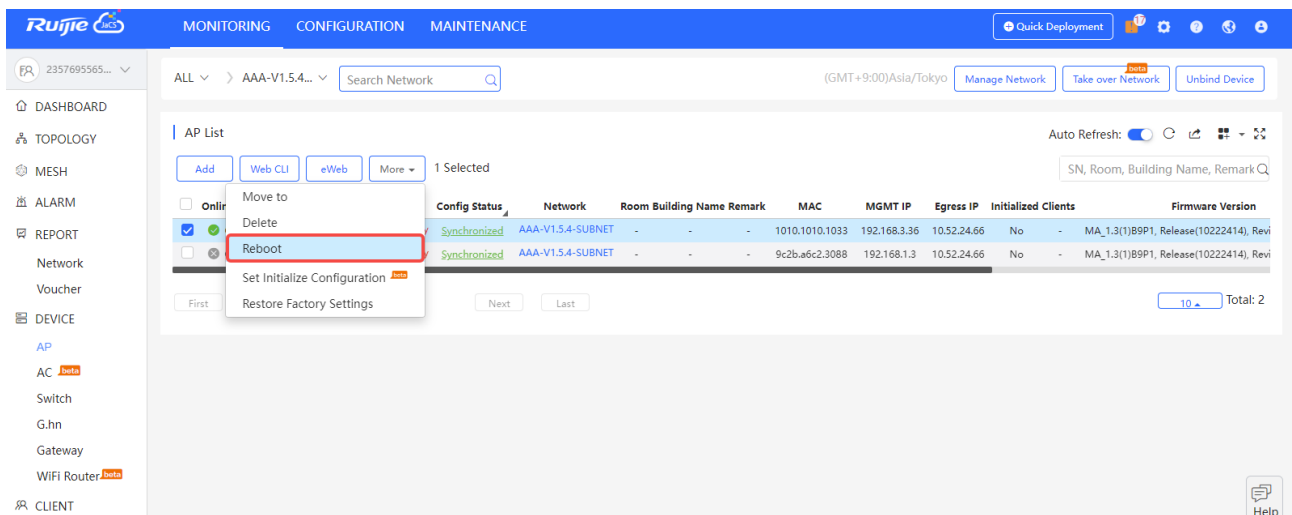
Delete

Select one or multiple devices in the **AP List**, click **More > Delete** and click **OK**.



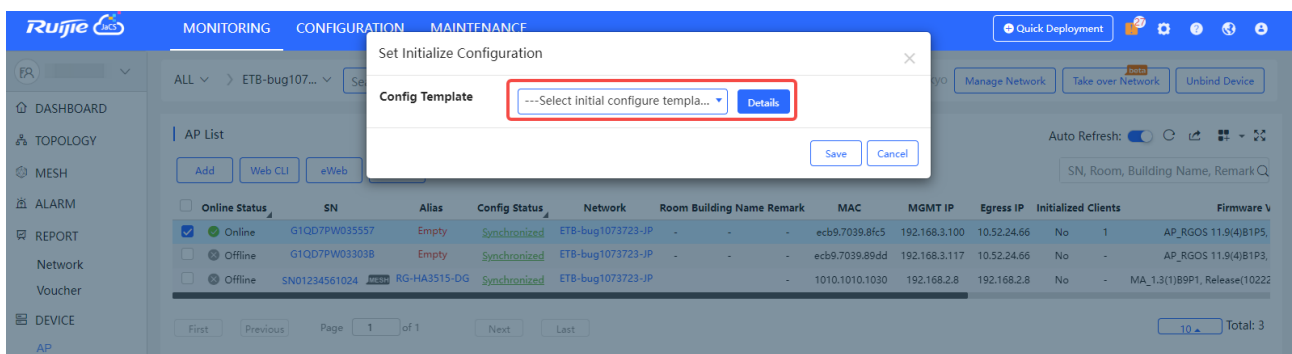
Reboot

Select one or multiple devices in the **AP List**, and click **Reboot**.



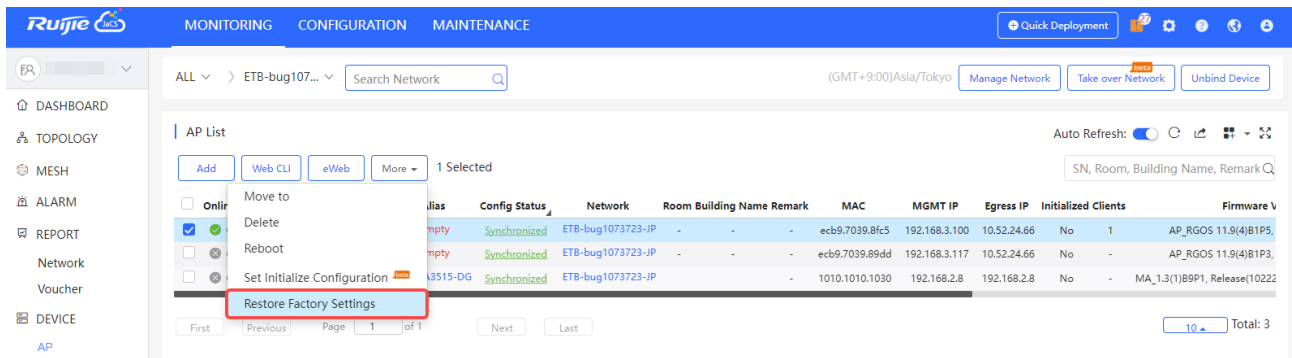
Set Initial Configuration (Only available for AP180 series access points)

Click **Set Initial Configuration** to apply an initial configuration template to the device.



Restore Factory Settings (Only available for AP180 series access points)

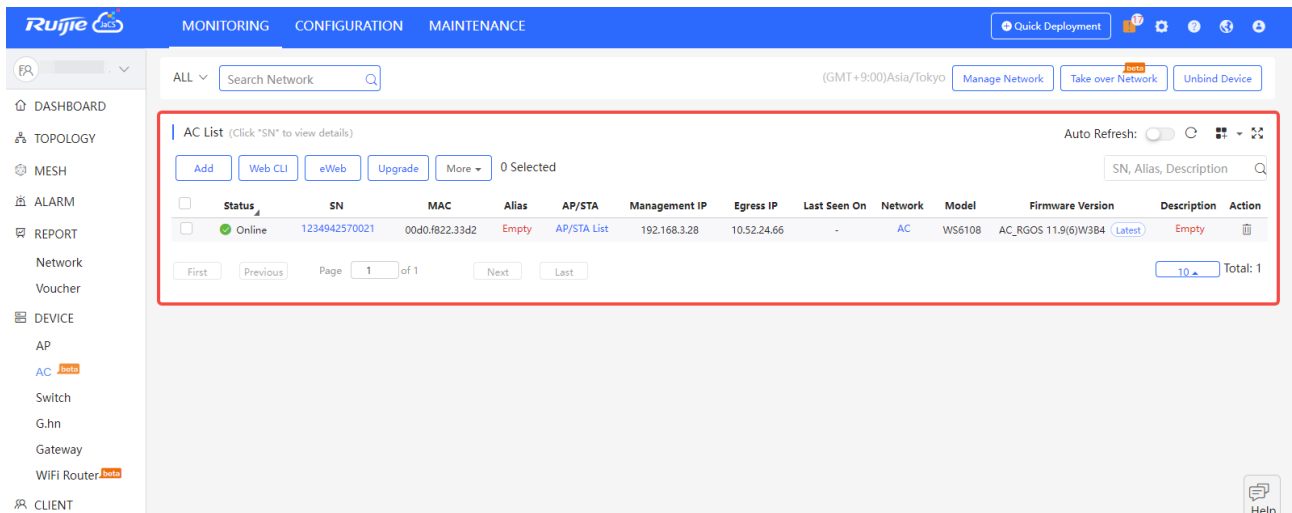
Click **Restore Factory Settings** to restore the device to factory settings.





5.6.2 AC (beta)

5.6.2.1 AC List

The **AC List** displays basic device information, including online/offline status, SN, MAC, alias, management IP, egress IP, offline time, network, model, firmware version, and description.



The **AC List** automatically refreshes every minute. Click  to enable/disable the auto refresh function.

Above the list are the **Add**, **Web CLI**, **eWeb** and **Upgrade** functions. Click  to display **Reboot**, **Export** and **Delete** functions. For more information, refer to **Basic AC Operations**.

The **Search** function supports fuzzy queries based on the serial number, alias and description.

5.6.2.2 Device Details

Click the serial number in the device list to open the details page for a single device.

● eWeb

Click **eWeb** to open the eWeb system in a new window.

The screenshot shows the Ruijie Cloud Monitoring interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar lists various network components: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, and CLIENT. The main content area displays the 'AC List' table. The table has columns for Status, SN, MAC, Alias, AP/STA, Management IP, Egress IP, Last Seen On, Network, Model, Firmware Version, Description, and Action. A single AC device is listed with status 'Online', SN '1234942570021', MAC '00d0.f822.33d2', and Management IP '192.168.3.28'. The 'eWeb' button is highlighted in the top navigation bar.

Status	SN	MAC	Alias	AP/STA	Management IP	Egress IP	Last Seen On	Network	Model	Firmware Version	Description	Action
Online	1234942570021	00d0.f822.33d2	Empty	AP/STA List	192.168.3.28	10.52.24.66	-	AC	WS6108	AC_RGOS 11.9(6)W3B4	Latest	Empty

The screenshot shows the Ruijie Cloud Monitoring interface with a 'Tip' dialog box displayed. The dialog box contains the following text:

Tip

✓ Succeeded to create the tunnel. eWeb system is connected.

If the browser can not access the eWeb system:

1. please allow the browser to pop up windows.
2. please check if the proxy is turned on.
3. If the web configuration page does not open automatically, please [here](#) to config.

Or click here to re-create the tunnel.

Telnet

The screenshot shows the Ruijie Cloud Monitoring interface with the 'Telnet' configuration page. The page includes a 'Basic' section with fields for Alias, MGMT Password, Model, SN, MAC, Firmware Version, MGMT IP, and Description. The 'Port' section shows a list of ports (1/1, 2, 3, 4, 5, 6, 7, 8, 7F, 8F) with a status indicator (Connected, Disconnected, Disabled). The 'Overview' section displays CPU and Memory usage (0% each) and Device Status (Online). The 'Connectivity' section shows a graph of connectivity over time (18:00 to 14:00).

The screenshot shows the Ruijie Cloud Monitoring interface with a 'Message' dialog box displayed. The dialog box contains the following text:

Message

✓ Creation succeeded. You can use tools that support Telnet or SSH to log in, e.g. PuTTY.


Host: 10.51.192.5

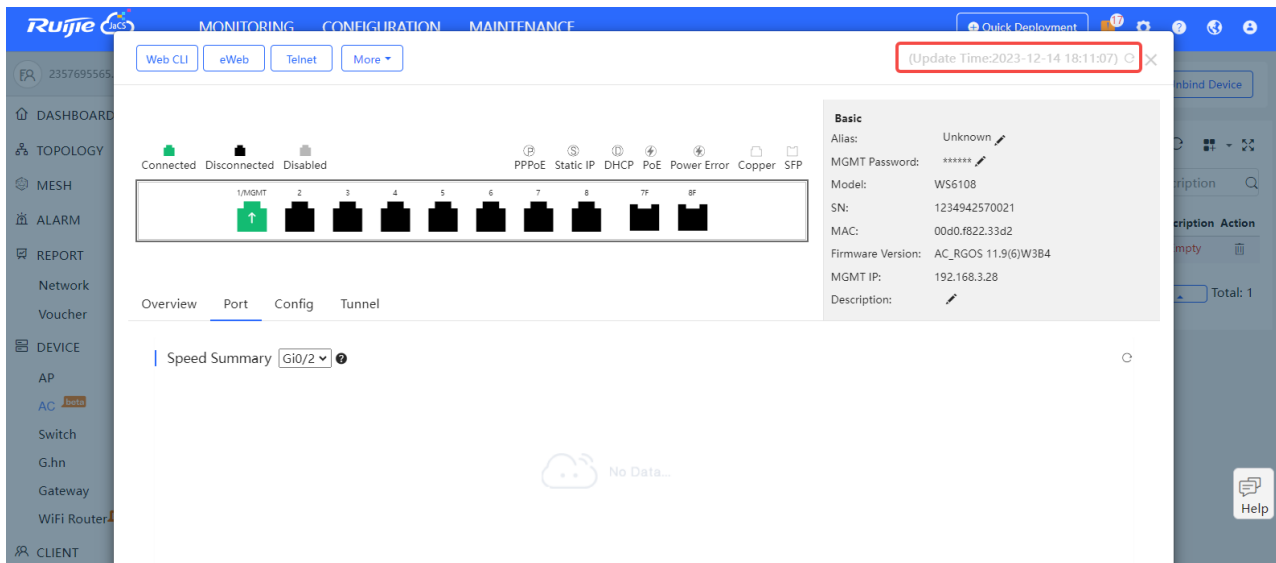
Port: 10001

Expired at: 2023-12-14 20:11

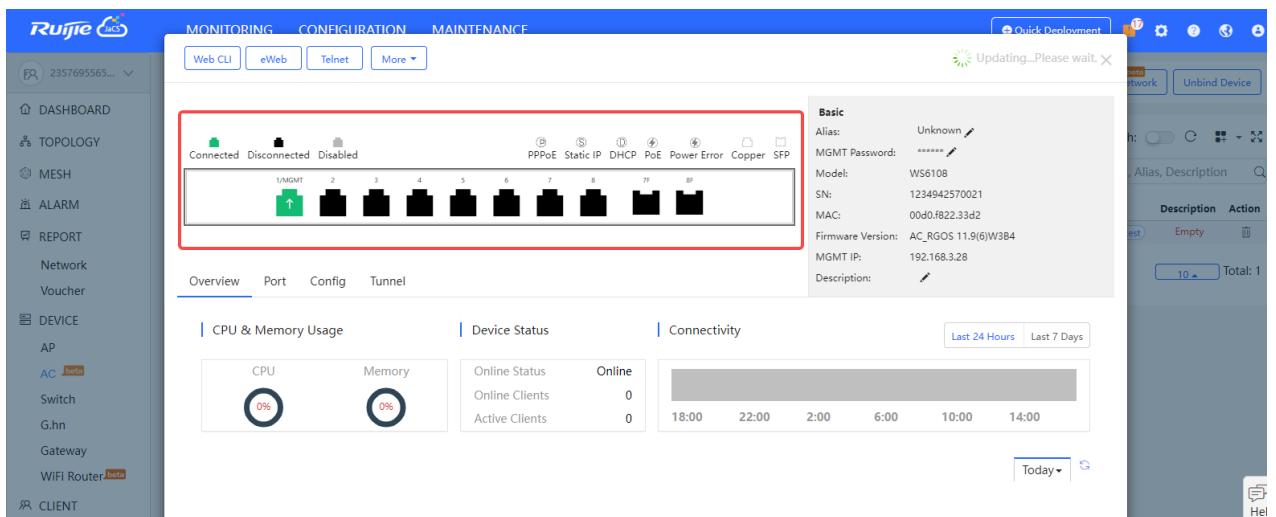
If the tunnel cannot be used, please [retry](#) it.

- Refresh

Click  to refresh all data in the page.

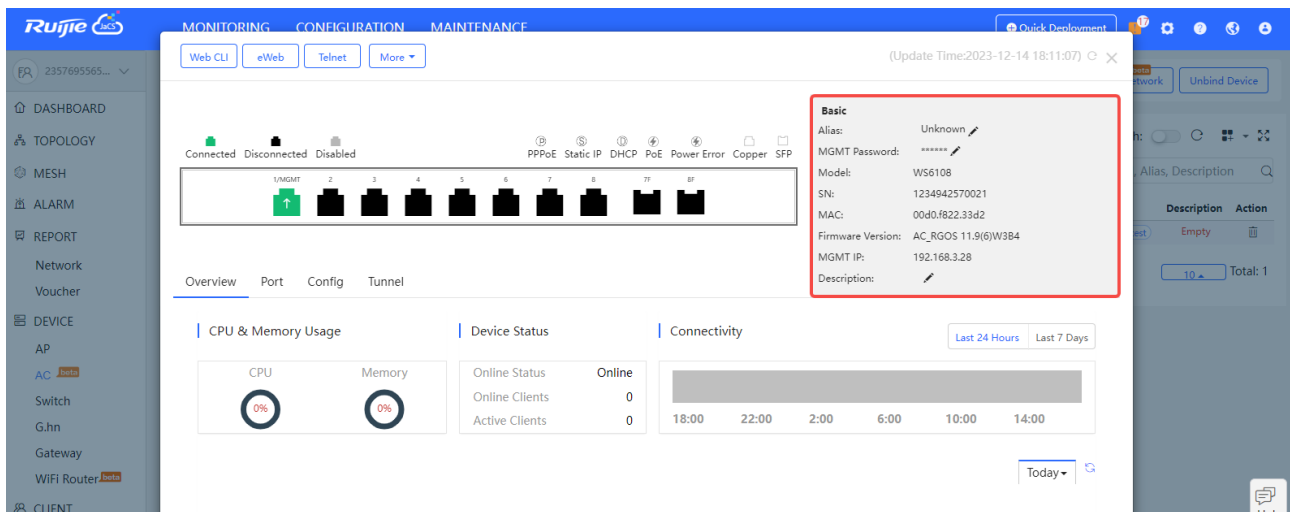


- Port Panel



The port panel imitates the actual AC panel, displaying the port type and status.

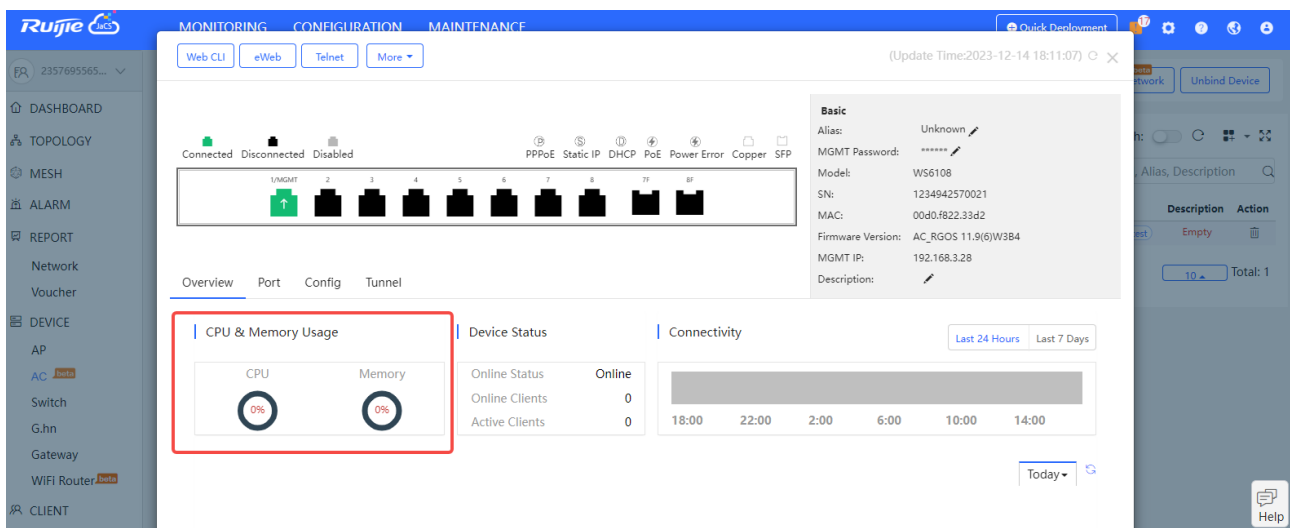
- Basic



Basic information includes the alias, model, SN and other information. Alias, MGMT Password and Description can be edited.

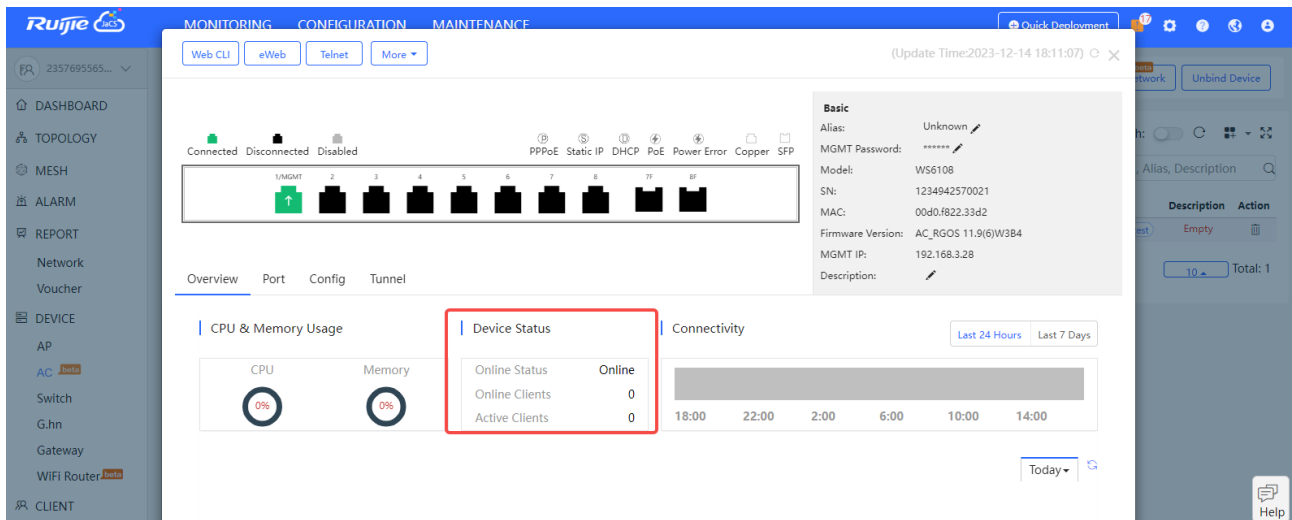
- Overview > CPU & Memory Usage

CPU & memory usage are displayed here.



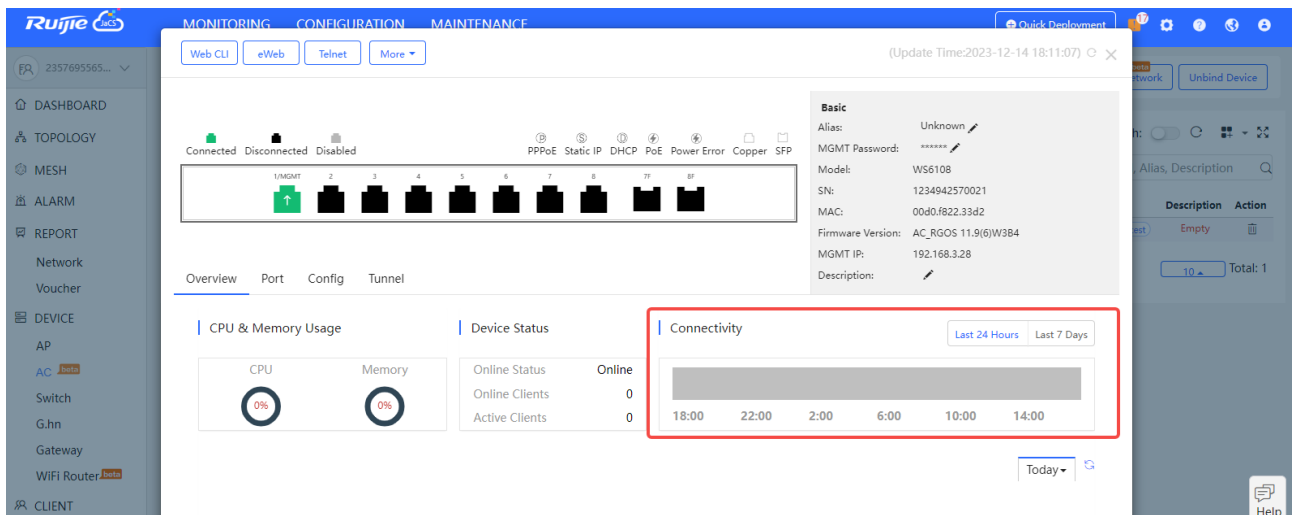
- Overview > Device Status

Device status includes online status, online clients and active clients.



● Overview > Connectivity

Connectivity refers to the connectivity (online status) between AC and Cloud Service within a period (1 day or 7 days).



● Overview > CPU/Memory Summary

CPU/memory summary over the 24 hours are displayed.



● Overview > Device Log

The screenshot shows the 'Log Record' section of the Ruijie CMS interface. The table displays the following data:

Type	Updated at	Content
Reboot	2023-12-14 18:08:28	Device First connect to MACC or MACC address change
Online/Offline	2023-12-14 18:07:36	Device goes online for the first time

The table includes pagination controls at the bottom, showing 'Page 1 of 1' and 'Total: 2'.

The device log records the historical operations, including online/offline, restart, upgrade and VLAN change, and supports queries based on log type and time.

● Overview > Config Log

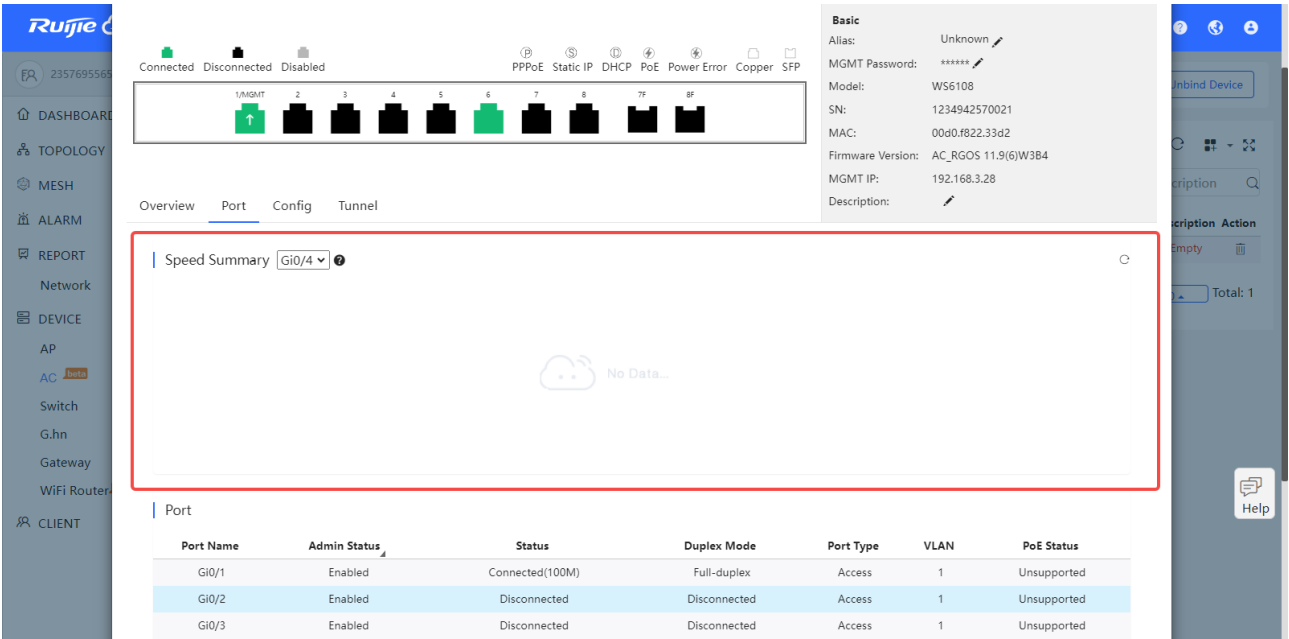
The screenshot shows the 'Config Log' section of the Ruijie CMS interface. The table displays the following data:


Operation Type	Started at	Ended at	Status	Description	Details
Initial online of the device	2023-12-14 18:08	2023-12-14 18:08	Succeeded	Device: 1234942570021	
Cloud O&M config	2023-12-14 18:08	2023-12-14 18:08	Succeeded	Log module [AC common log, AC interface ...	
Device first online	2023-12-14 18:07	2023-12-14 18:08	Succeeded	Device: 1234942570021	
Device first online	2023-12-14 18:07	2023-12-14 18:07	Succeeded	Device: 1234942570021	

The table includes pagination controls at the bottom, showing 'Page 1 of 1' and 'Total: 4'.

The Config log records the historical configuration delivery, and supports queries based on status and time.

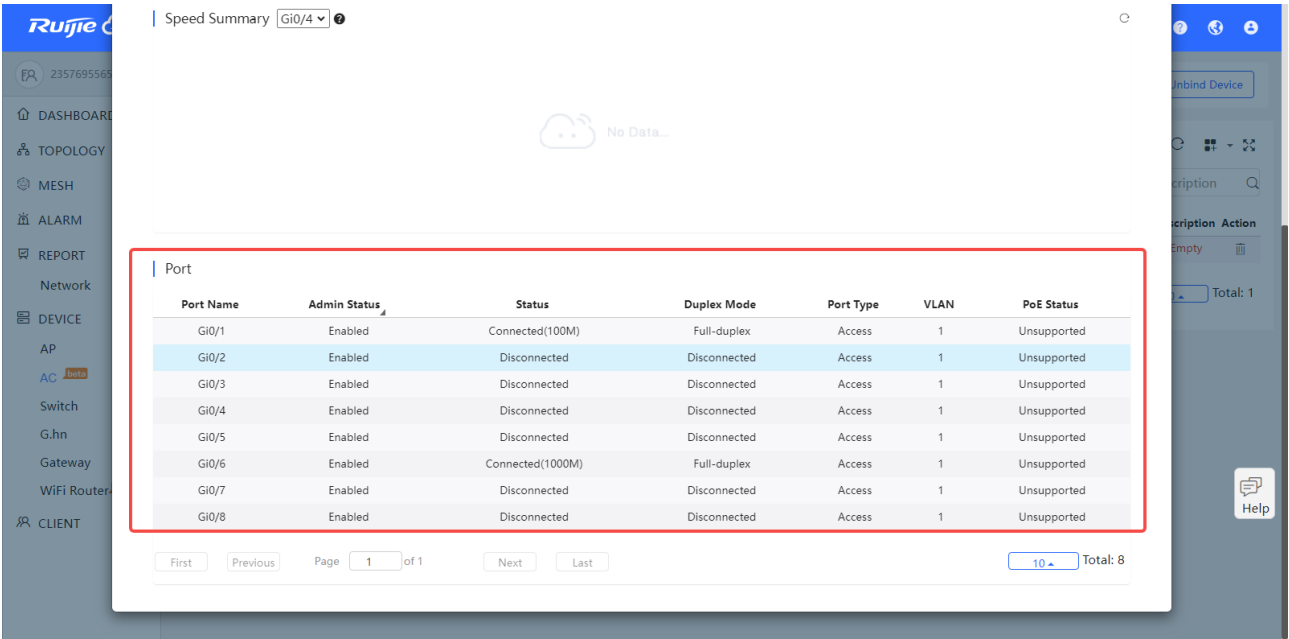
● Port > Speed Summary



Uplink & downlink speed of port are displayed. This page supports queries based on day, week and month. Click  to refresh the summary.

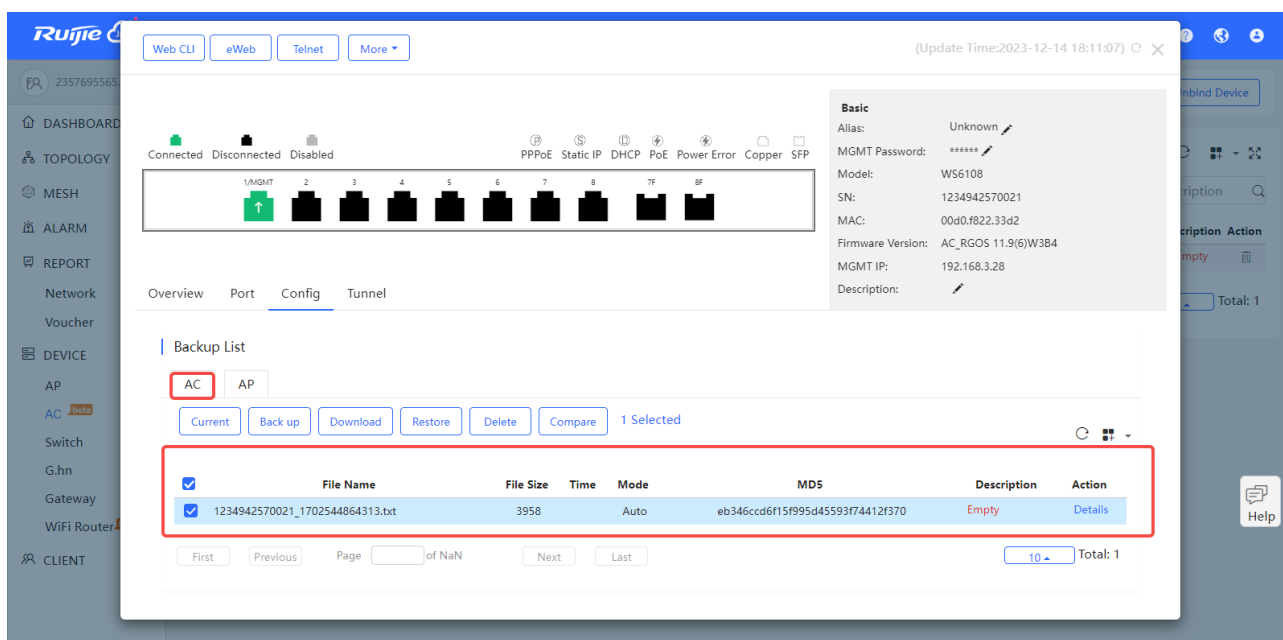
● Port > Port Status

Port information includes port name, VLAN etc.

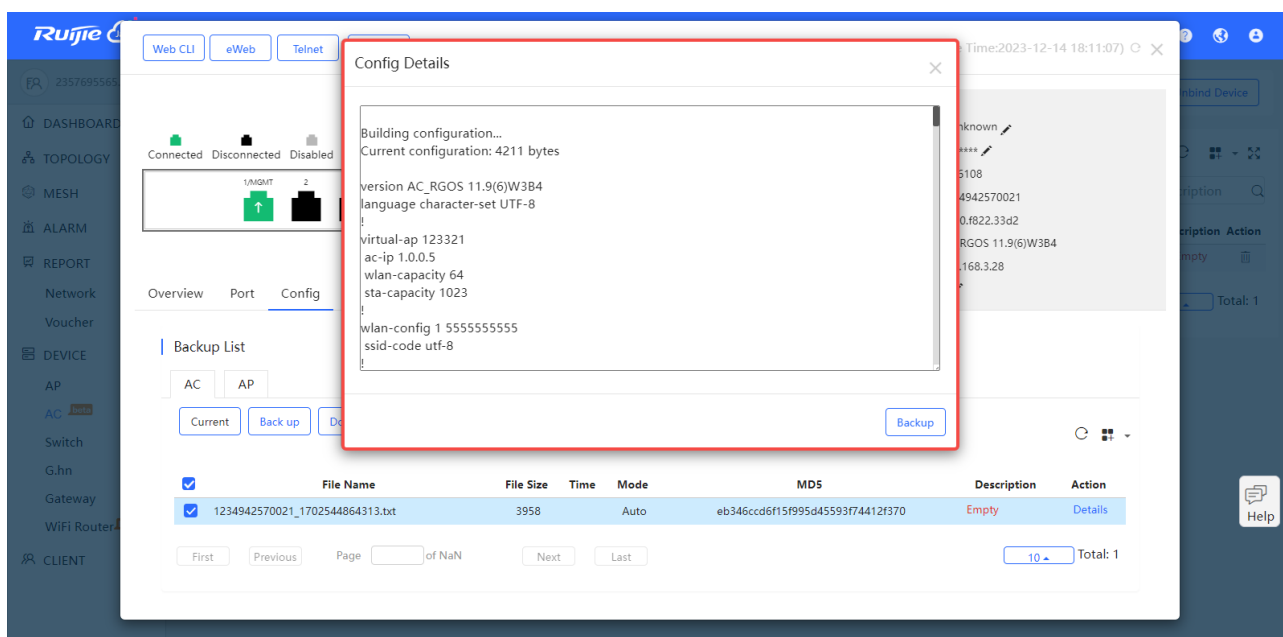


● Config > AC Configuration Backup List

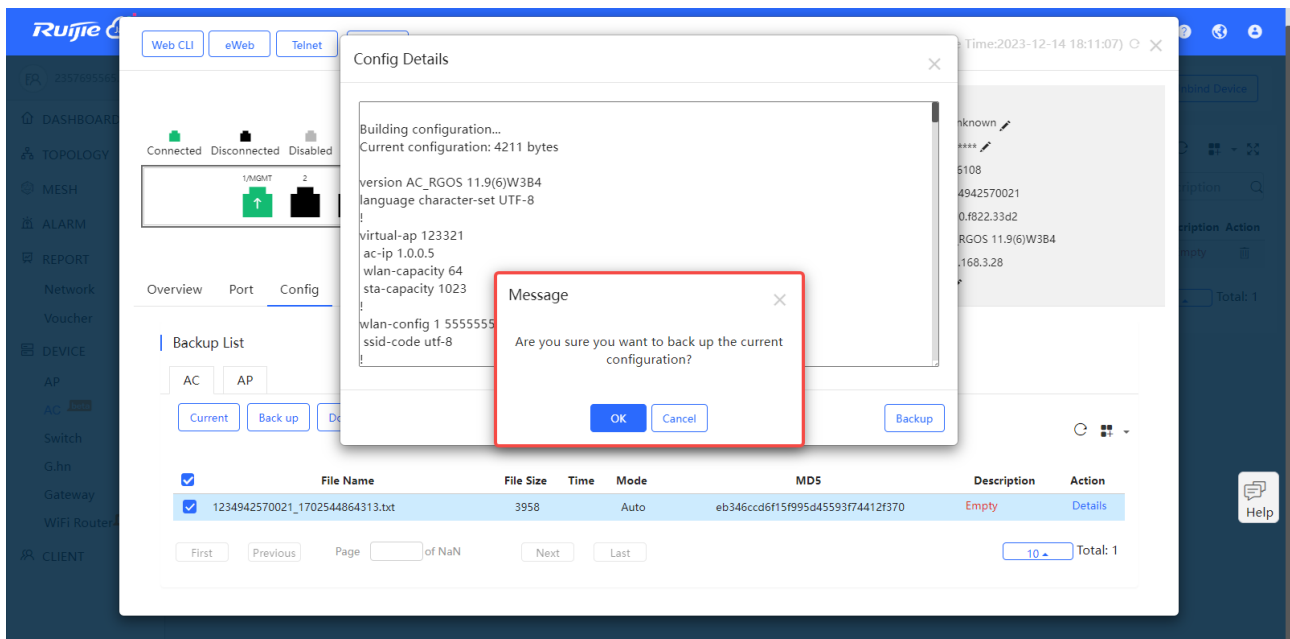
The backup records include configuration file name, size, time, mode and MD5.



Click **Current** to display the current configuration. Click **Back up** in the **Config Details** page to back up the current configuration.



Click **Back up** and then click **OK** in the message box to back up the current configuration.

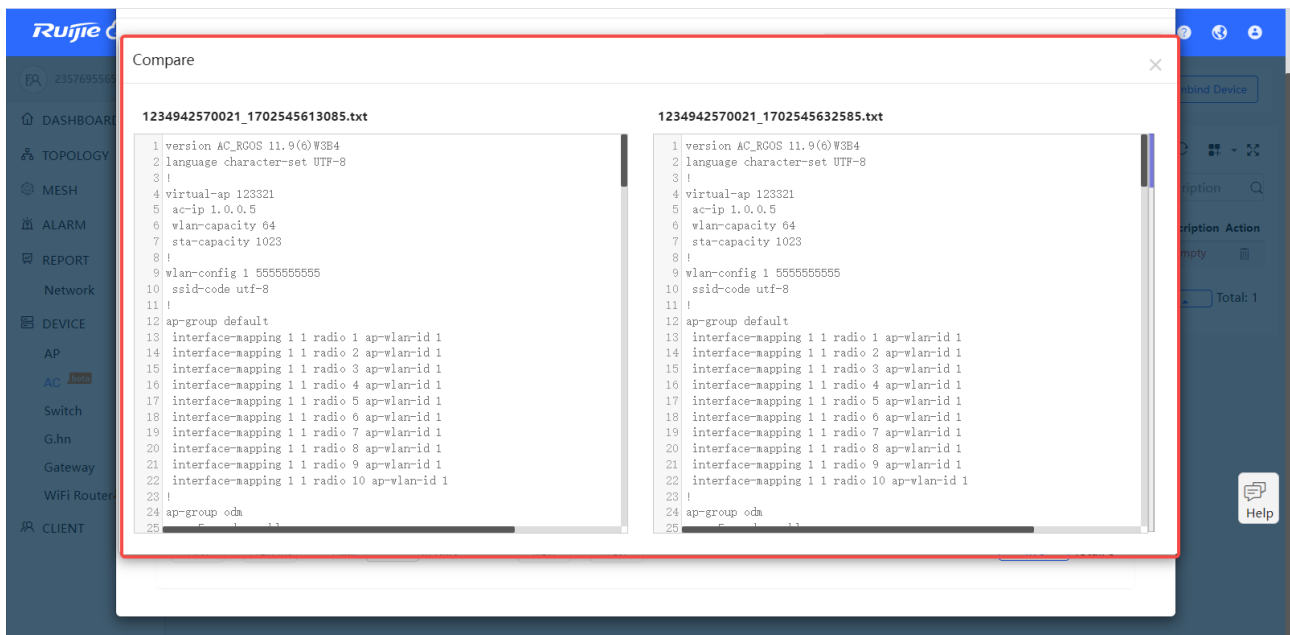


Select one record, and click **Download** to download the configuration file.

Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences



● Config > AP Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

Connected Disconnected Disabled

1/MGMT 2 3 4 5 6 7 8 7F 8F

Overview Port Config Tunnel

Backup List

AC AP

Download Delete Compare 0 Selected

	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	1234942570021_1702545632736.txt	185		Manual	dd47a7db85eac3b280f6f8e83f804962	Empty	Details
<input type="checkbox"/>	1234942570021_1702545613377.txt	185		Manual	dd47a7db85eac3b280f6f8e83f804962	Empty	Details
<input type="checkbox"/>	1234942570021_1702544864476.txt	185		Auto	dd47a7db85eac3b280f6f8e83f804962	Empty	Details

First Previous Page of NaN Next Last 10 Total: 3

● Tunnel > Create Tunnel

Select the tunnel type and click **Create Tunnel**. The tunnel types include Telnet, Web and SSH.

Overview Port Config Tunnel

Create Tunnel

Type: Telnet Web SSH

Create Tunnel

Local Global

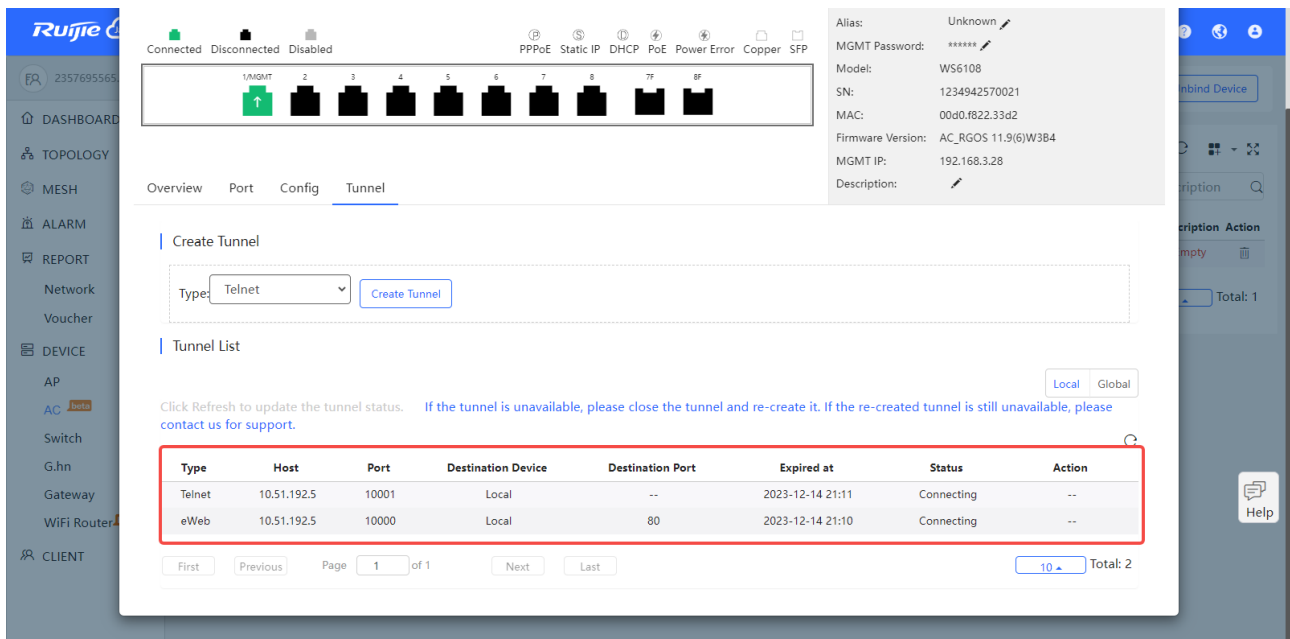
Click Refresh to update the tunnel status. If the tunnel is unavailable, please close the tunnel and re-create it. If the re-created tunnel is still unavailable, please contact us for support.

Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
Telnet	10.51.192.5	10001	Local	--	2023-12-14 21:11	Connecting	Re-create
eWeb	10.51.192.5	10000	Local	80	2023-12-14 21:10	Connecting	Re-create

First Previous Page 1 of 1 Next Last 10 Total: 2

● Tunnel > Tunnel List

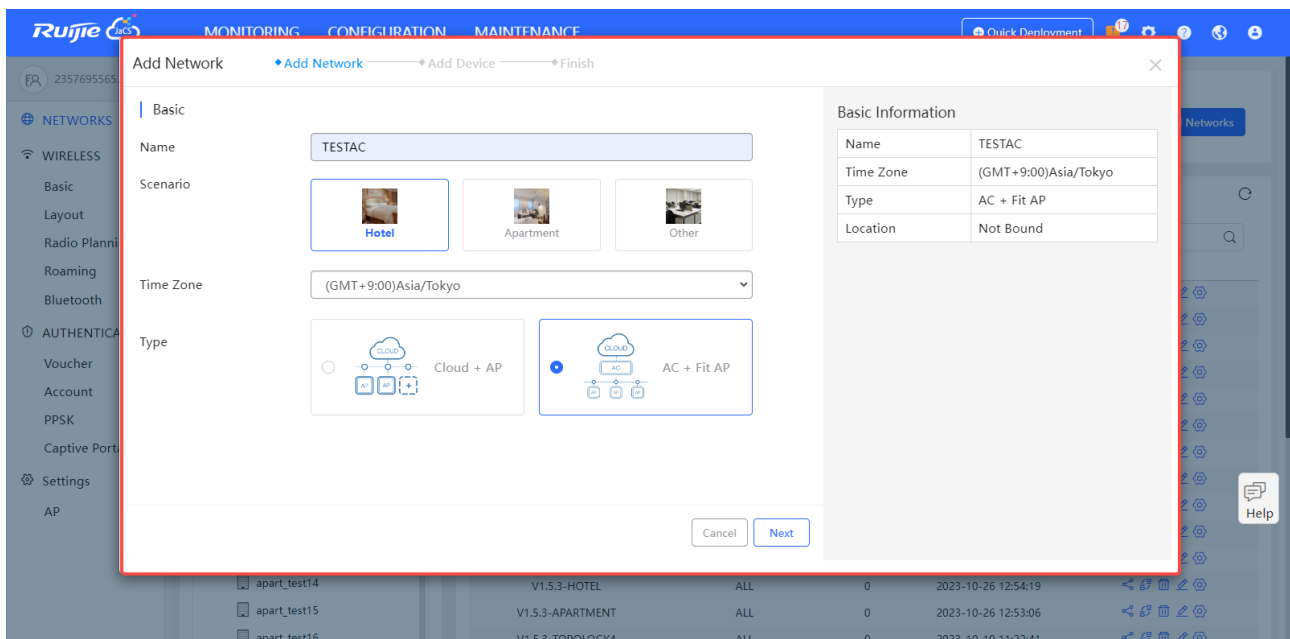
Tunnel information includes tunnel type, host, port, destination device, destination port, expiration time and status. Click **Re-create** in the **Action** column to re-create a tunnel.



5.6.2.3 Basic AC Operations

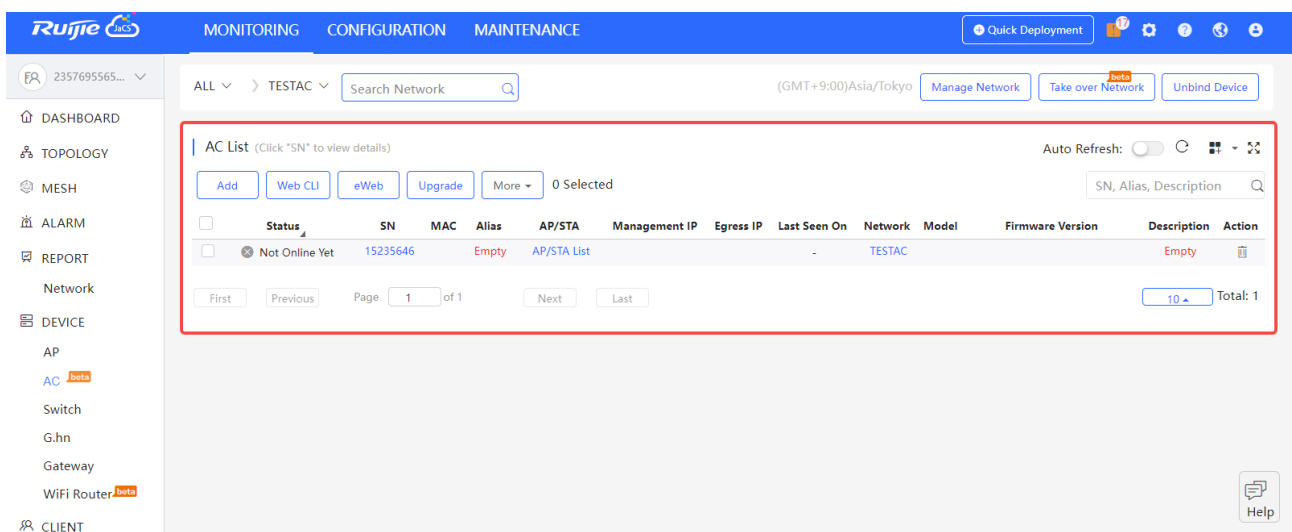
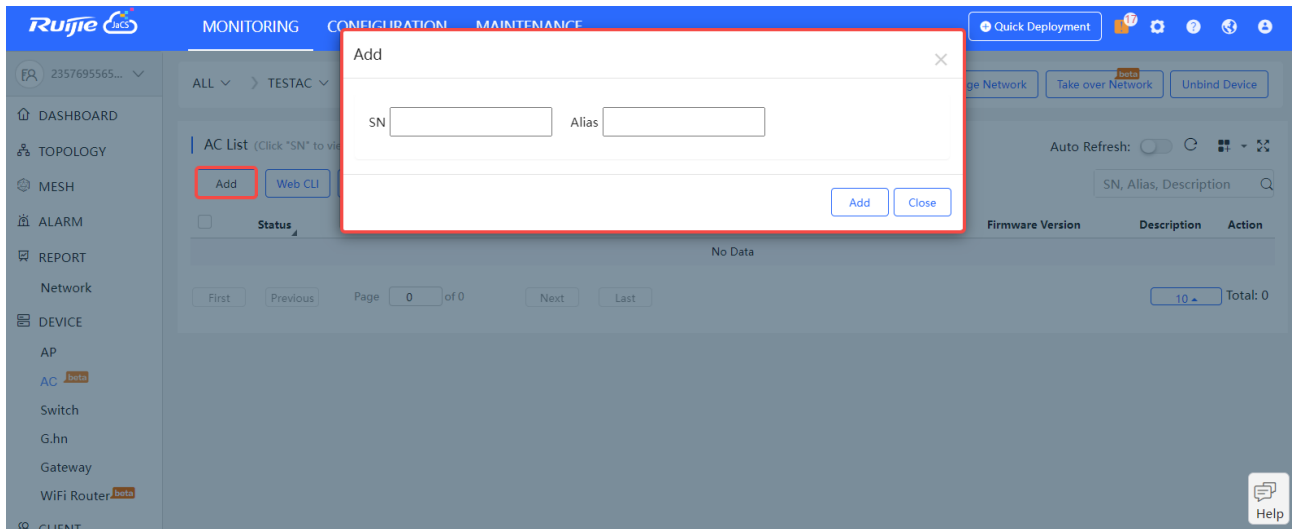
- Add AC Network

Click **CONFIGURATION > NETWORKS > Add Network** to add AC network.



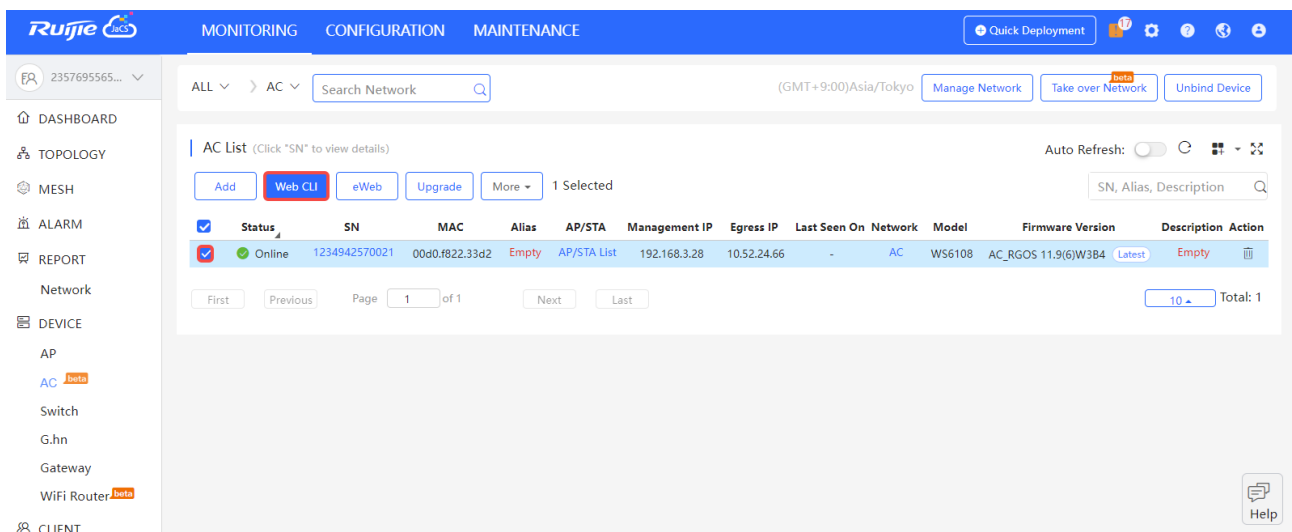
- Add

Click **Add**, enter the SN and Alias, and click **OK** to add an AC to the network. Only one AC can be added to a network.

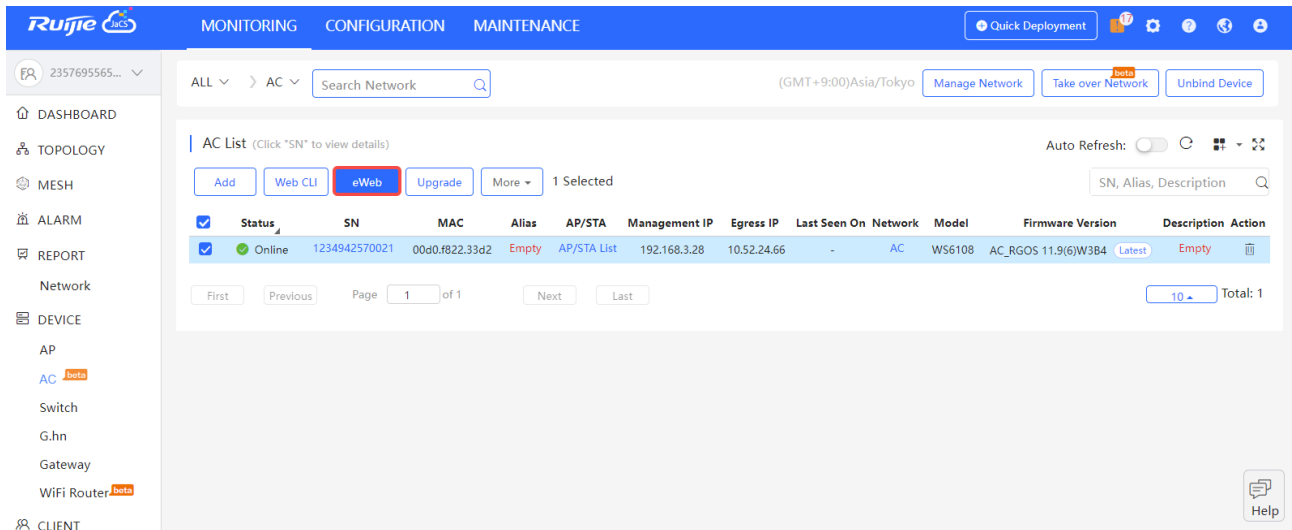


● Web CLI

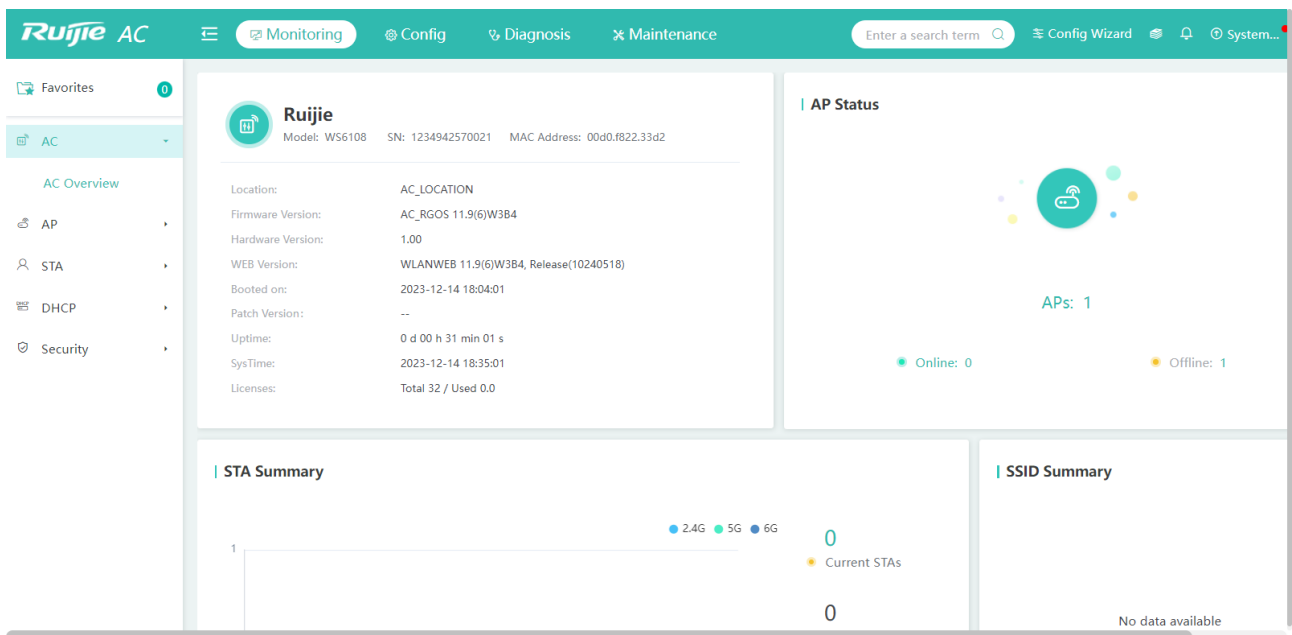
Select the device to be managed by CLI command, click **Web CLI**. The **Web CLI** page provides commonly-used CLI commands on the left. Click the command, or manually enter the command and click **Send**. Only one AC can be configured at a time.



eWeb



Select the device and click **eWeb**. The system will connect to AC and automatically open the eWeb page in a new window.



If a tunnel is created successfully but the eWeb page does not automatically open, a message is displayed as below. The user can manually click the link to open the page.



More > Reboot

Select the device in the **AC List**, click **More > Reboot** and click **OK**.

The screenshot shows the Ruijie AC List interface. The left sidebar contains navigation links: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, DEVICE, AP, AC (beta), Switch, G.hn, Gateway, WiFi Router (beta), and CLIENT. The main content area is titled 'AC List (Click "SN" to view details)'. It features a search bar, a 'Search Network' button, and a '1 Selected' indicator. A table lists AC devices with columns: Status, SN, AP/STA, Management IP, Egress IP, Last Seen On, Network, Model, Firmware Version, Description, and Action. The first device is 'Online' with SN '1234942570021'. A 'More' dropdown menu is open, showing 'Reboot', 'Export', and 'Delete' options. The 'Export' option is highlighted with a red box. The bottom right corner has a 'Help' icon.

● More > Export

Select the device in the **AC List**, click **More > Export**.

This screenshot is identical to the one above, showing the Ruijie AC List interface with the 'More' dropdown menu open and the 'Export' option highlighted with a red box.

● More > Delete

Select the device in the **AC List**, click **More > Delete** and click **OK**.

This screenshot is identical to the ones above, showing the Ruijie AC List interface with the 'More' dropdown menu open and the 'Delete' option highlighted with a red box.

5.6.2.4 AP / STA List

Click **AP/STA List** to display AP and STA list.

The screenshot shows the Ruijie Cloud monitoring interface. The top navigation bar includes MONITORING, CONFIGURATION, and MAINTENANCE. The left sidebar lists various monitoring options. The main content area displays the 'AC List' with a table of active access points. The 'AP/STA' column for the first entry is highlighted with a red box, indicating the link to view the AP/STA list.

Status	SN	MAC	Alias	AP/STA	Management IP	Egress IP	Last Seen On	Network	Model	Firmware Version	Description	Action
Online	1234942570021	00d0.f822.33d2	Empty	AP/STA List	192.168.3.28	10.52.24.66	-	AC	WS6108	AC_RGOS 11.9(6)W3B4	Latest	Empty

The screenshot shows two sections of the monitoring interface: 'Fit AP List' and 'STA List'. Both sections are currently empty, displaying 'No Data'. Each section has a search bar and pagination controls. The 'Fit AP List' section has a 'Return' button, and the 'STA List' section also has a 'Return' button.

5.6.3 Switch

5.6.3.1 Switch List

The **Switch List** displays basic device information, including the online/offline status, SN, MAC, alias, management IP & public IP, offline time, network, model, firmware version and description.

The screenshot displays the 'Switch List' in the Ruijie Cloud Monitoring interface. The table lists various switches with their status (Online/Offline/Not Online Yet), serial numbers (SN), MAC addresses, aliases, management IP addresses (MGMT IP), egress IP addresses, last seen timestamps, network names, models, and firmware versions. A red box highlights the table and the 'Switch List' header. Above the table are buttons for 'Add', 'Replace', 'Web CLI', and 'More'. To the right of the table is an 'Auto Refresh' toggle and a search bar. The table shows several switches, some online and some offline.

The **Switch List** automatically refreshes every minute. Click **Auto Refresh:** to enable/disable the auto refresh function.

Above the list is the **Add Switch**, **Replace** and **Web CLI** function. Click **More** to display the **Move to**, **Delete**, and **Reboot** functions. For more information, refer to **Basic Switch Operations**.

The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on online/offline status.

5.6.3.2 Device Details

Click the serial number in the device list to open the details page of a single device. The page displays detailed device information, including the port panel, basic information, overview, ports, config, PoE and diagnosis.

● Port Panel

The port panel imitates the actual switch panel, displaying the port type, status and speed.

The screenshot displays the 'Device Details' page for a switch in the Ruijie Cloud Monitoring interface. The 'Port Panel' is highlighted with a red box, showing a grid of ports (1-28) with status indicators. The 'Switch Info' panel on the right displays details like Alias, Model, SN, MAC, Firmware Version, MGMT IP, and Description. The 'Overview' section shows CPU and Memory usage. The 'Connectivity' section shows a bar chart of network activity. The 'Uplink' section shows port speed and duplex settings. The 'Speed Summary' section shows average speed in Mbps for uplink and downlink.

When you point the mouse to a port, the traffic, speed and other information of the port will be displayed.

The screenshot shows the Ruijie Cloud monitoring interface. A tooltip is displayed over a port, showing the following information:

- Port ID: 2
- Status: Up
- Speed: 1000M
- Traffic: 410.42MB + 89.50MB
- Throughput: 10.94Mbps + 2.39Mbps
- Packets: 5801598 + 1256801
- Media Type: Copper

The main interface displays various monitoring metrics:

- Port Selection:** A grid of 28 ports (1-28) is shown. Ports 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, and 28 are available for selection. Ports 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, and 26 are unavailable.
- Switch Info:** A panel on the right shows the following information:
 - Alias: SW2
 - Model: S2910-24GT4SFP-UP-H
 - SN: 1234942570020
 - MAC: 00d0.f822.33d0
 - Firmware Version: S29_RGOS 11.4(1)B74P1, Release(07232412)
 - MGMT IP: 10.52.25.147
 - Description:
- CPU & Memory Usage:** Two circular gauges show CPU usage at 3.9% and Memory usage at 51.5%.
- Connectivity:** A bar chart shows connectivity status over time (18:00 to 14:00).
- Uplink:** A table shows the uplink port (Gi0/2) with a speed of 1000M and duplex of Full-duplex.
- Speed Summary:** A line chart shows average speed (Mbps) for uplink and downlink over time.

● Switch Info

Switch information includes the alias, model, SN, MAC address, firmware version, management IP and description. **Alias** and **Description** can be edited.

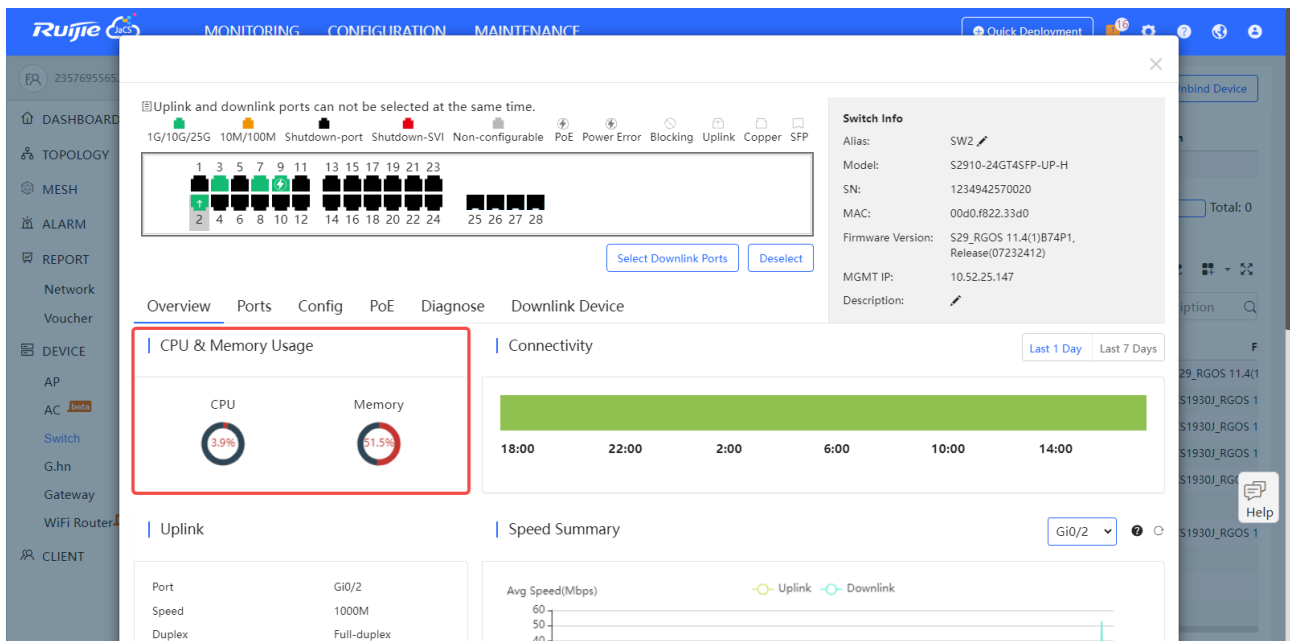
The screenshot shows the Ruijie Cloud monitoring interface. The **Switch Info** panel is highlighted, showing the following information:

- Alias: SW2
- Model: S2910-24GT4SFP-UP-H
- SN: 1234942570020
- MAC: 00d0.f822.33d0
- Firmware Version: S29_RGOS 11.4(1)B74P1, Release(07232412)
- MGMT IP: 10.52.25.147
- Description:

The main interface displays various monitoring metrics:

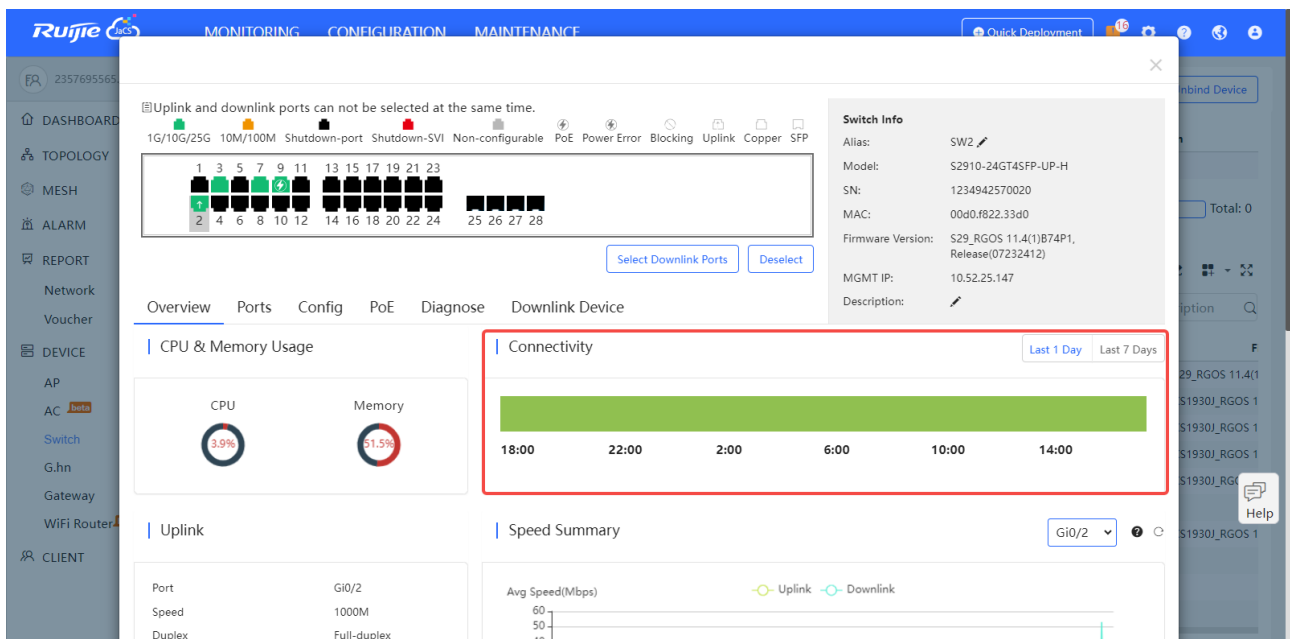
- Port Selection:** A grid of 28 ports (1-28) is shown. Ports 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, and 28 are available for selection. Ports 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, and 26 are unavailable.
- CPU & Memory Usage:** Two circular gauges show CPU usage at 3.9% and Memory usage at 51.5%.
- Connectivity:** A bar chart shows connectivity status over time (18:00 to 14:00).
- Uplink:** A table shows the uplink port (Gi0/2) with a speed of 1000M and duplex of Full-duplex.
- Speed Summary:** A line chart shows average speed (Mbps) for uplink and downlink over time.

● Overview > CPU & Memory Usage

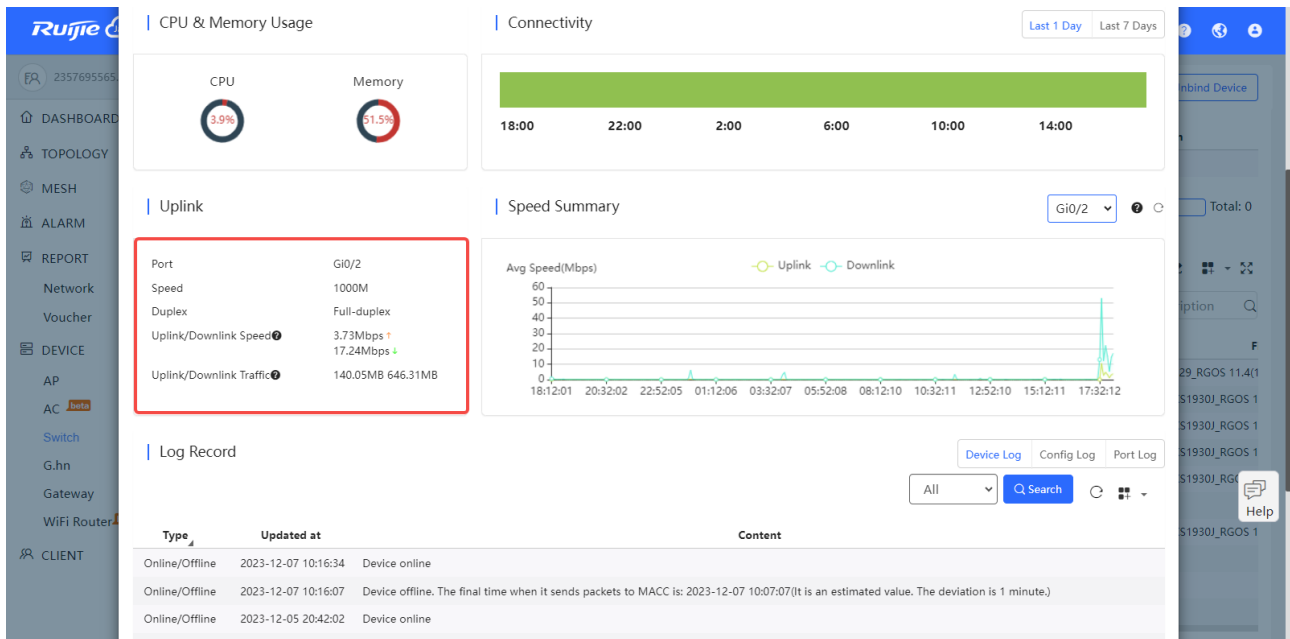


Overview > Connectivity

Connectivity refers to the connectivity (online status) between Switch and Cloud Service within a period (1 day or 7 days).



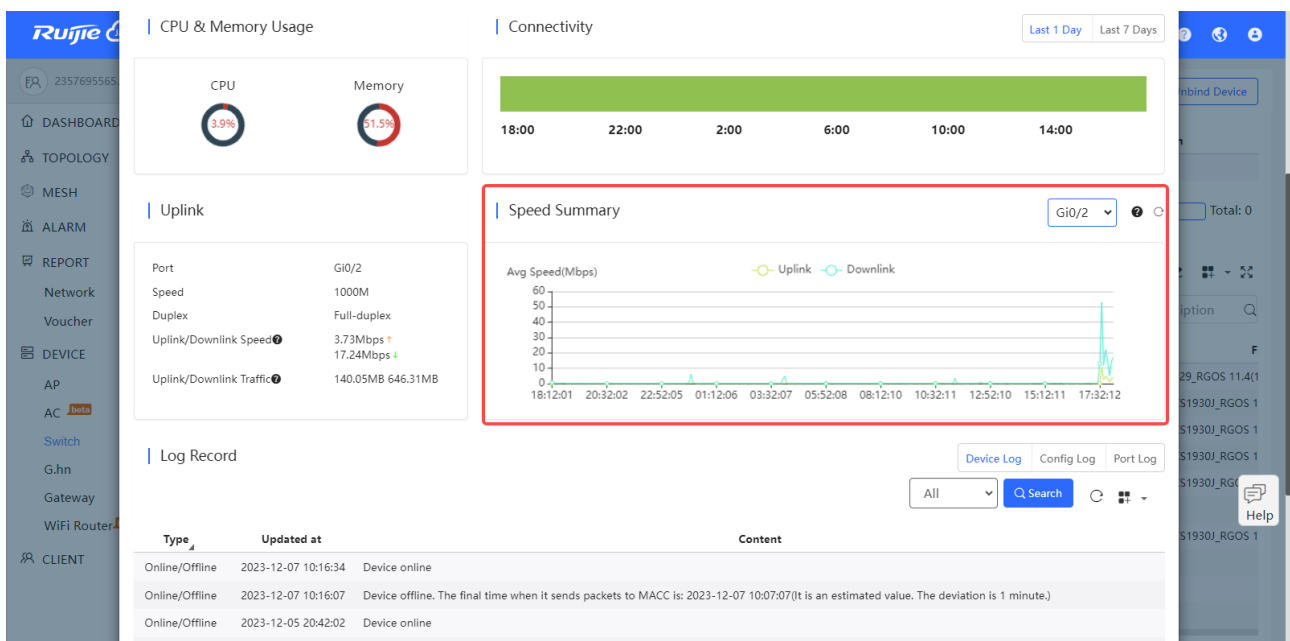
Overview > Uplink



Uplink information includes the port, speed, duplex, uplink/downlink speed and uplink/downlink traffic.

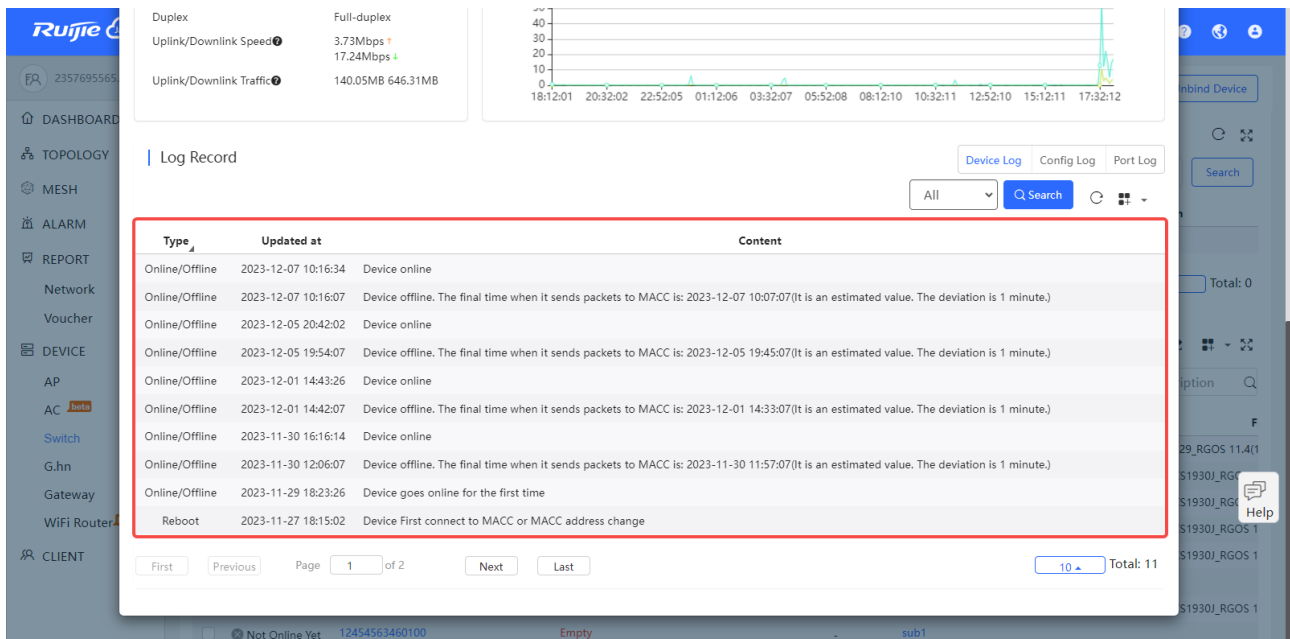
● Overview > Speed Summary

Speed summary includes the uplink/downlink speed summary over the past 24 hours.



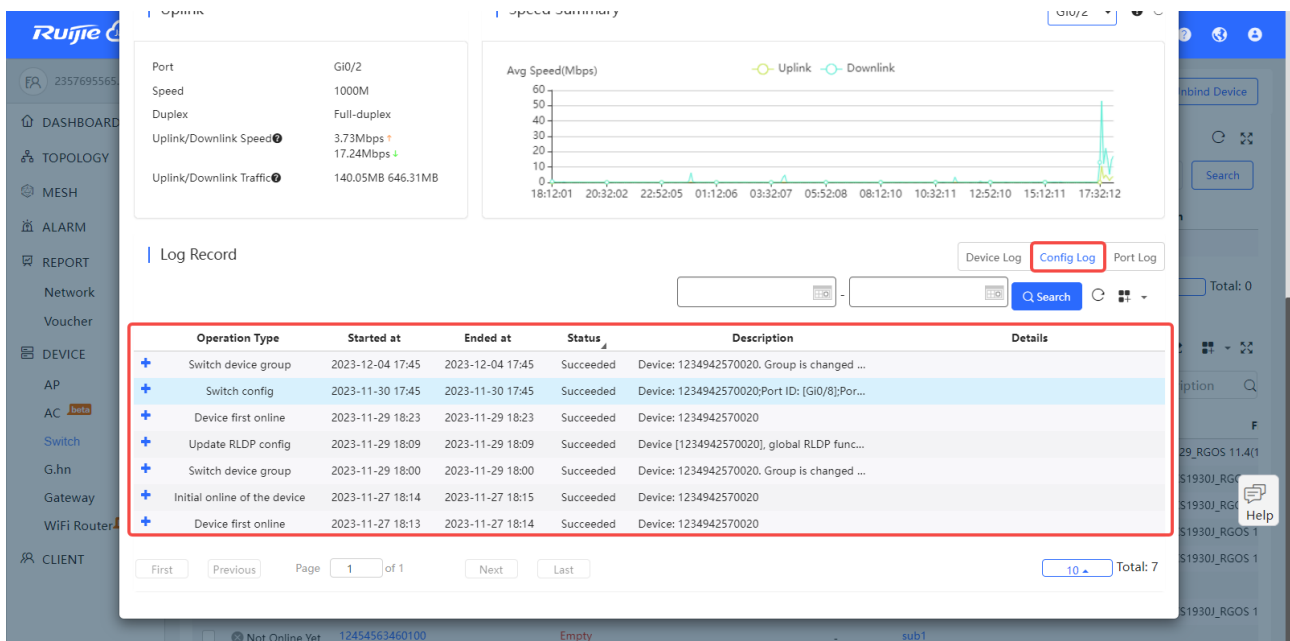
● Overview > Device Log

The device log records the historical operations, including online/offline, restart, upgrade, and VLAN change, and supports queries based on log type and time.



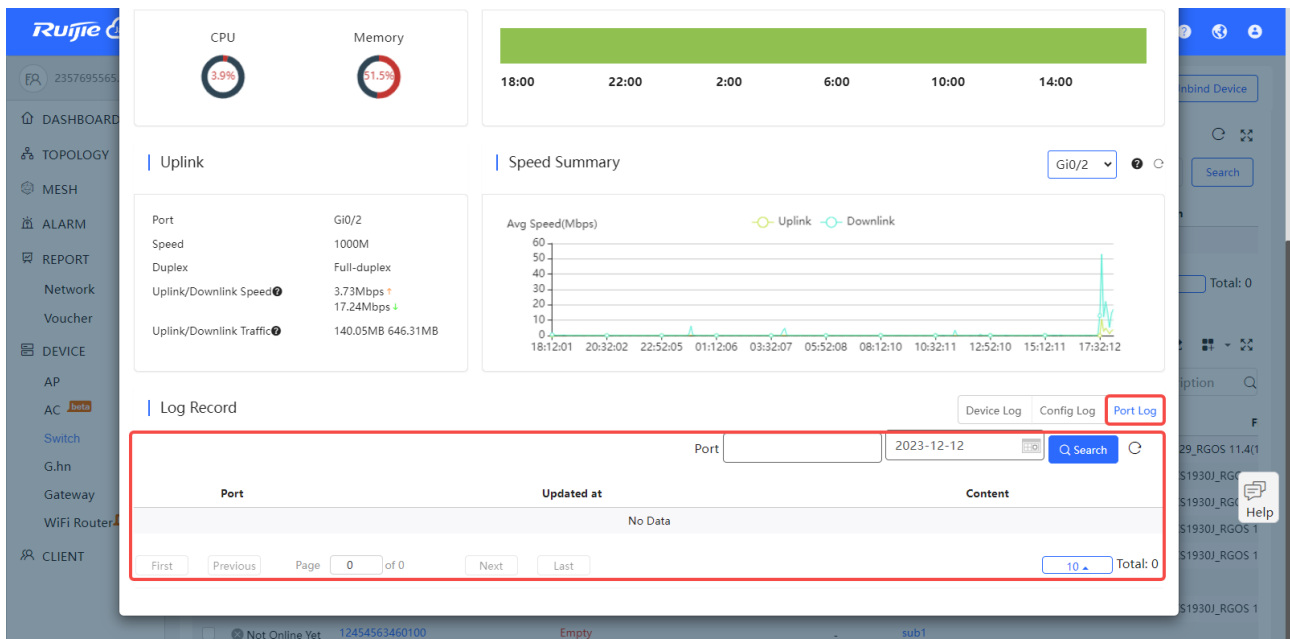
Overview > Config Log

The config log records the historical configuration delivery, and supports queries based on status and time.



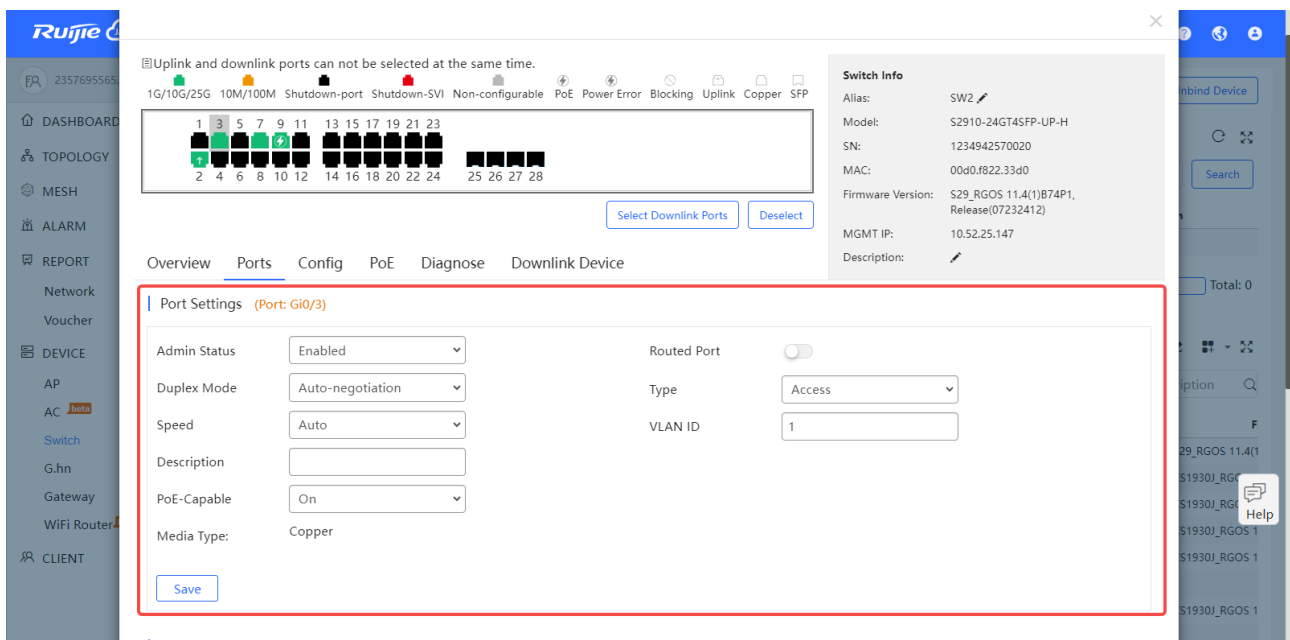
Overview > Port Log

The port log records the changes of port configuration, and supports queries based on port ID and time.



Ports > Port Settings

Select one or multiple ports in the port panel to display and edit the port configuration, including admin status, duplex mode and speed.



Ports > Port List

Port list includes the information of all ports, including port ID, admin status, port status, duplex mode, port type, VLAN ID and PoE status, and support queries based on admin status, port type and PoE status.

PoE-Capable: On
Media Type: Copper

Save

Port List

Port	Admin Status	Status	Duplex Mode	Port Type	VLAN ID	PoE Status	Action
Gi0/1	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/2	Enabled	Connected(1000M)	Full-duplex	Access	1	Off	
Gi0/3	Enabled	Connected(1000M)	Full-duplex	Access	1	Off	
Gi0/4	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/5	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/6	Enabled	Disconnected	Disconnected	Access	1	Off	
Gi0/7	Enabled	Connected(1000M)	Full-duplex	Access	1	Off	
Gi0/8	Enabled	Disconnected	Disconnected	-	-	Off	
Gi0/9	Enabled	Connected(1000M)	Full-duplex	Access	1	On	Restart PoE
Gi0/10	Enabled	Disconnected	Disconnected	Access	1	Off	

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Config > VLAN List

VLAN list includes the VLAN ID and the correspondingly ports.

Uplink and downlink ports can not be selected at the same time.

1G/10G/25G 10M/100M Shutdown-port Shutdown-SVI Non-configurable PoE Power Error Blocking Uplink Copper SFP

1 3 5 7 9 11 13 15 17 19 21 23
2 4 6 8 10 12 14 16 18 20 22 24 25 26 27 28

Select Downlink Ports Deselect

Overview Ports Config PoE Diagnose Downlink Device

VLAN List

Add

VLAN ID	Port	Action
1	Gi0/1, Gi0/2, Gi0/3, Gi0/4, Gi0/5, Gi0/6, Gi0/7, Gi0/9, Gi0/10, Gi0/11, Gi0/12, Gi0/13, Gi0/14, Gi0/15, Gi0/16, Gi0/17, Gi0/18, Gi0/19, Gi0/20, Gi0/21, Gi0/22, Gi0/23, Gi0/24, Gi0/25, Gi0/26, Gi0/27, Gi0/28	
2		
7		
8		
9		
10		
11		
60		
99		
100		

Switch Info

Alias: SW2
Model: S2910-24GT4SFP-UP-H
SN: 1234942570020
MAC: 00d0.f822.33d0
Firmware Version: S29_RGOS 11.4(1)B74P1, Release(07232412)
MGMT IP: 10.52.25.147
Description:

Click **Add** to add VLAN IDs in batches.

Add

VLAN ID: Range: 1-4094; Example: 1,2,3 or 3-

OK Cancel

If a VLAN ID you add exists, it will be ignored.

You can use the following two methods to add VLAN IDs in batches:

- (1) Use commas (,) to separate multiple VLANs. Up to 10 VLANs are supported.

(2) Use an end dash (-) to indicate a VLAN range. No limit.

Note: Do not support using commands and end dashes at the same time.

● Config > SVI & DHCP

SVI & DHCP information includes VLAN ID, SVI and DHCP pool name. You can add, edit or delete the SVI or DHCP configuration.

Click **Add** to configure the IP and subnet mask of a VLAN, and configure the name, IP segment, subnet mask and gateway of DHCP service.

● Config > DHCP Snooping

Enable **DHCP Snooping Status**, select ports and click **Save**. The uplink port is selected by default if it is not routed port. If the port connecting to the DHCP server is not an uplink port, please select it manually.

99 192.168.99.1 pool99 Edit Delete SVI Delete DHCP

100 192.168.100.1 pool100 Edit Delete SVI Delete DHCP

First Previous Page 1 of 1 Next Last 10 Total: 2

DHCP Snooping

DHCP Snooping Status ☒

Trust the selected ports (The uplink port is selected by default)

Selected Unselected Non-configurable Uplink Copper SFP

1	3	5	7	9	11	13	15	17	19	21	23												
2	4	6	8	10	12	14	16	18	20	22	24	25	26	27	28								

Tip: The uplink port is selected by default if it is not a layer-3 interface. If the port connecting to the DHCP server is not an uplink port, please select it manually. Click to select or deselect the port.

Select All Deselect Refresh

Save Please click Save after configuration.

● Config > RLDP

Enable **RLDP Status**, select one or multiple ports, choose the troubleshooting method for a loop, and click **Save**.

The troubleshooting methods include **Warning**, **Block**, **Shutdown**, and **Shutdown SVI**.

RLDP

RLDP Status ☒

Auto Config Warning Warning and Block Warning and Shutdown Shutdown SVI Unavailable Detection Disabled Uplink Copper SFP

1	3	5	7	9	11	13	15	17	19	21	23											
2	4	6	8	10	12	14	16	18	20	22	24	25	26	27	28							

Tip: Click to select or deselect the port.

Select All Deselect Refresh

Config Port: Gi0/3

Type: Loop Detection Troubleshooting: Block

Save

Device Config Tunnel

Service List

If **Warning** is chosen, the **Switch loopback detected (RLDP)** alarm should be enabled in the **Alarm Settings** page.

Alarm Settings

Type	Status	Alarm Threshold	Email Alarm
Device goes offline	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Device goes online and offline continually	<input checked="" type="checkbox"/>	>20 %	<input checked="" type="checkbox"/>
All devices are offline	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
High channel usage on AP	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
System usage(CPU/memory usage) above threshold	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Switch loopback detected (RLDP)	<input type="checkbox"/>	-	<input type="checkbox"/>
Interface updown rate above threshold	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Abnormal network access on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
High packet loss rate on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Uplink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>
Downlink rate above threshold on gateway	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>

Click **Auto Config** to enable the default configuration.

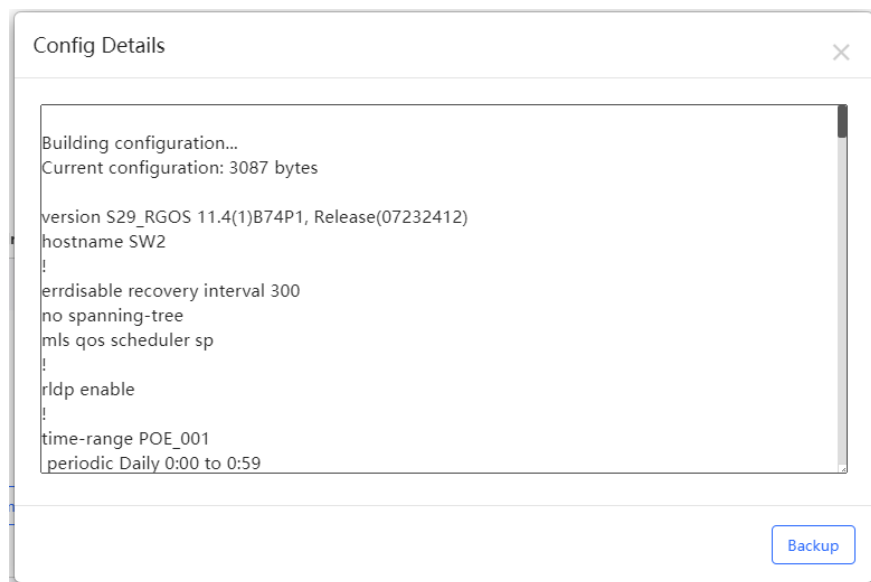
● Config > Service List

Configure the admin status and login password of the eWeb service.

● Config > Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

Click **Current** to display the current configuration. Click **Backup** in the **Config Details** page to back up the current configuration.



To customize a configuration file, select an existing file and click **Customize**.

Configuration Backup List

Current

Back up

Customize

Download

Restore

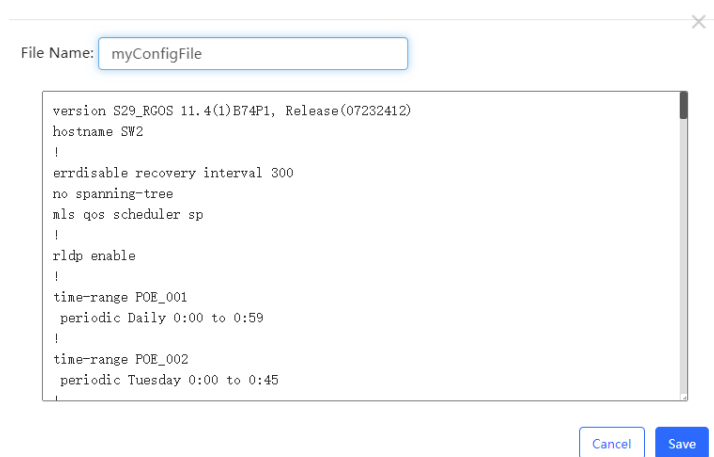
Delete

Compare

File Name

Search

<input type="checkbox"/>	File Name	File Size	Time	Mode	MD5	Description	Action
<input checked="" type="checkbox"/>	1234942570020_1701308772672	3.06K	2023-11-30 10:46:11	Manual	1a6116acdd5ffa8400d22c44df95b9ac	Empty	Details
<input type="checkbox"/>	1234942570020_1701266462258	3.06K	2023-11-29 23:01:00	Auto	1a6116acdd5ffa8400d22c44df95b9ac	Empty	Details
<input type="checkbox"/>	1234942570020_1701249813390	3.07K	2023-11-29 18:23:26	Auto	b5c34a886c8da4e20f0e4ebe0c06d6e3	Empty	Details



Configuration Backup List

Current

Back up

Customize

Download

Restore

Delete

Compare

File Name

Q Search

<input type="checkbox"/>	File Name	File Size	Time	Mode	MD5	Description	Action
<input checked="" type="checkbox"/>	myConfigFile	3.06K	2023-12-12 18:47:18	Customize	1a6116acdd5ffa8400d22c44df95b9ac	Empty	Details
<input type="checkbox"/>	1234942570020_1701308772672	3.06K	2023-11-30 10:46:11	Manual	1a6116acdd5ffa8400d22c44df95b9ac	Empty	Details
<input type="checkbox"/>	1234942570020_1701266462258	3.06K	2023-11-29 23:01:00	Auto	1a6116acdd5ffa8400d22c44df95b9ac	Empty	Details
<input type="checkbox"/>	1234942570020_1701249813390	3.07K	2023-11-29 18:23:26	Auto	b5c34a886c8da4e20f0e4ebe0c06d6e3	Empty	Details

Select one record, and click **Download** to download the configuration file.

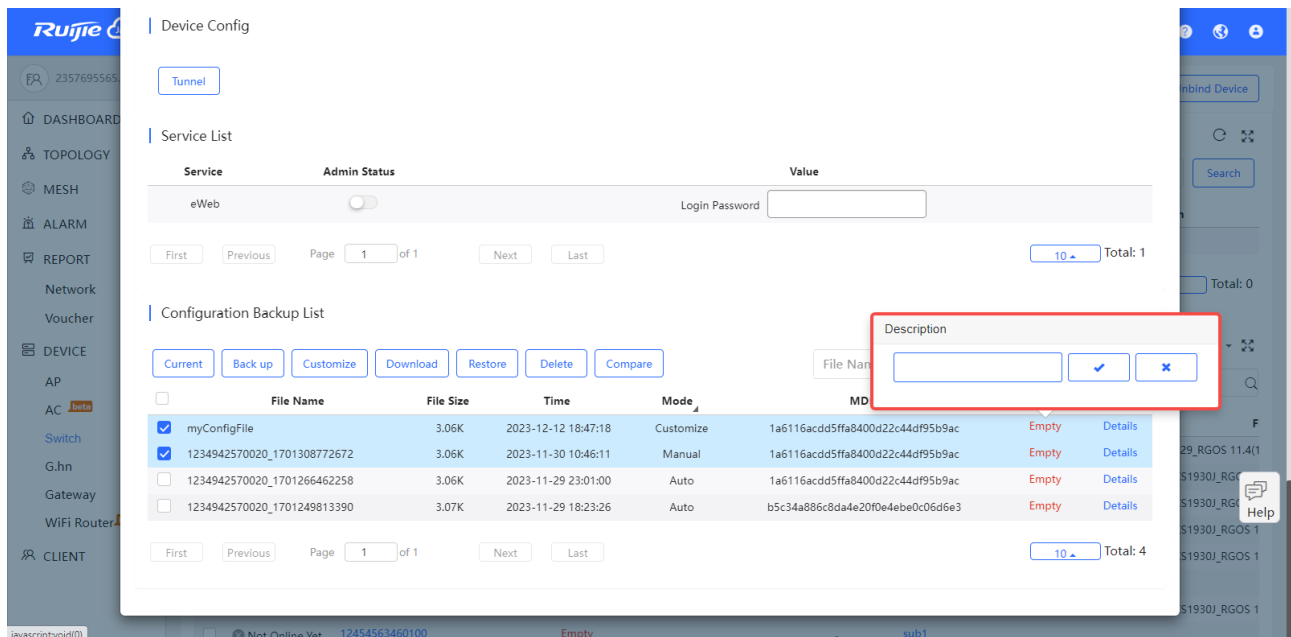
Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences.



Description can be edited. Click **Details** in the **Action** column to check the backup configuration.



● PoE > PoE Port List

PoE statistics are displayed above **PoE Port List**, including the total power, current power and time.

PoE configuration includes the port, PoE-capable, PoE status, power, PD class and description.

SN: 1234942570020
MAC: 00d0.f822.33d0
Firmware Version: S29_RGOS 11.4(1)B74P1, Release(07232412)
MGMT IP: 10.52.25.147
Description:

Overview Ports Config **PoE** Diagnose Downlink Device

PoE Port List

Total Power:370.0 W, Current Power:14.0 W, Time:2023-12-12 18:11:27

Port	PoE-capable	PoE Status	Power	PD Class	Description
Gi0/1	Enable	Off	0.0 W	NA	-
Gi0/2	Enable	Off	0.0 W	NA	-
Gi0/3	Enable	Off	0.0 W	NA	-
Gi0/4	Enable	Off	0.0 W	NA	-
Gi0/5	Enable	Off	0.0 W	NA	-
Gi0/6	Enable	Off	0.0 W	NA	-
Gi0/7	Enable	Off	0.0 W	NA	-
Gi0/8	Enable	Off	0.0 W	NA	-
Gi0/9	Enable	On	13.0 W	4(30W)	-
Gi0/10	Enable	Off	0.0 W	NA	-

First Previous Page 1 of 3 Next Last 10 Total: 24

● PoE > Schedule Policy

The **Schedule Policy** displays the time period policy for powering off PoE ports, including the policy name, time period, and status indicating whether the policy has been used on ports.

Gi0/9 Enable On 13.0 W 4(30W) -

Gi0/10 Enable Off 0.0 W NA -

First Previous Page 1 of 3 Next Last 10 Total: 24

Schedule Policy

Add

Policy Name	Time Period	Status	Action
POE_002	Tuesday(00:00-00:45)	Inactive	✎ ✕
POE_001	Daily(00:00-00:59)	Inactive	✎ ✕

First Previous Page 1 of 1 Next Last 10 Total: 2

Port PoE Setting

Port	Priority	Maximum Power	Offline Time Policy	Action
Gi0/1	Low		Never	✎
Gi0/2	Low		Never	✎
Gi0/3	Low		Never	✎
Gi0/4	Low		Never	✎
Gi0/5	Low		Never	✎
Gi0/6	Low		Never	✎

● PoE > Port PoE Setting

The **Port PoE Setting** displays effective port PoE settings, including port name, the power supply priority, maximum power and power supply stop policy.

Port PoE Setting

Port	Priority	Maximum Power	Offline Time Policy	Action
Gi0/1	Low		Never	
Gi0/2	Low		Never	
Gi0/3	Low		Never	
Gi0/4	Low		Never	
Gi0/5	Low		Never	
Gi0/6	Low		Never	
Gi0/7	Low		Never	
Gi0/8	Low		Never	
Gi0/9	Low		Never	
Gi0/10	Low		Never	

● PoE > Auto Checking

The **Auto Checking** displays the policy for checking the working status of a PD connected to a PoE port, including the Ping interval, number of retry times, action to be taken upon checking failure and IP address for checking PDs.

Auto Checking

SVI	Ping Interval Time(s)	Retry Times	Check Failure Action	PD Info	Action
VLAN100	10	1	Nothing	-	
VLAN99	10	1	Nothing	-	
VLAN1	10	1	Nothing	-	

● Diagnose > Fault Diagnosis

There are two types of fault diagnosis: **PoE Power Supply** and **SFP Port**. Select a port in the panel, click **Diagnose**, and the diagnosis procedure is displayed as below.

The screenshot shows the Ruijie Cloud management interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main content area is titled 'Fault Diagnosis' and shows the 'PoE Power Supply' type and 'Gi0/9' port. A port status grid is visible, with ports 1-24 shown as black squares and ports 25-28 as grey squares. The 'Procedure' section is highlighted with a red box and contains the following text:

```

18:50:50 Complete,
Result: The voltage is lower than 50V, and the device is in low voltage status,
Suggestion: If the device fails to properly supply power, please run the poe legacy command to enable the non-standard power supply mode. If it does not
work, please contact our after-sales personnel
18:50:45 Diagnosing...
18:50:45 Port Gi0/9 Starting...
  
```

Buttons for 'Diagnose' and 'Deep Diagnosis' are visible. A 'History' link is also present.

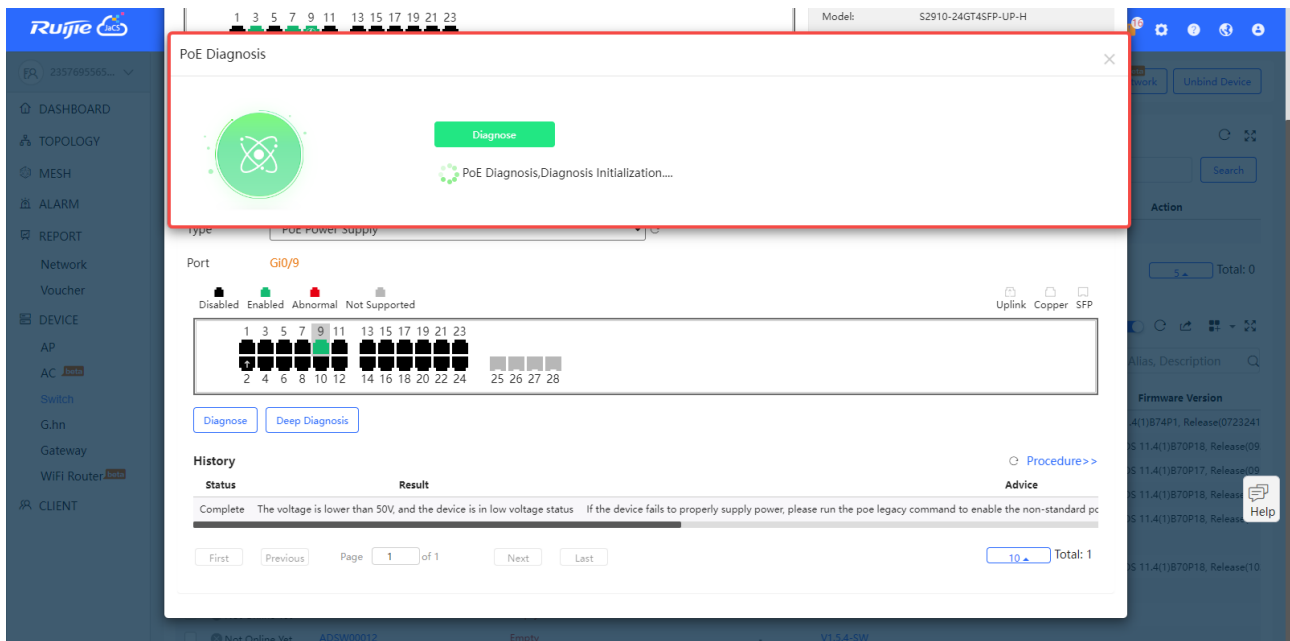
Click **History**, and the diagnosis history is displayed.

The screenshot shows the Ruijie Cloud management interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main content area is titled 'Fault Diagnosis' and shows the 'PoE Power Supply' type and 'Gi0/9' port. A port status grid is visible, with ports 1-24 shown as black squares and ports 25-28 as grey squares. The 'History' section is highlighted with a red box and contains the following table:

Status	Result	Advice
Complete	The voltage is lower than 50V, and the device is in low voltage status	If the device fails to properly supply power, please run the poe legacy command to enable the non-standard power supply mode

Buttons for 'Diagnose' and 'Deep Diagnosis' are visible. A 'History' link is also present.

Select a port in the panel, click **Deep Diagnose**, and click **Diagnose** in the **PoE Diagnosis** page.



i Normal diagnosis: The Cloud server delivers CLI commands to collect the switch information, and the diagnosis occurs on the Cloud server.

i Deep diagnosis: The diagnosis occurs on the switch, and the results are reported to the Cloud server.

● Downlink Device

The **Downlink Device** displays the information of the downlink devices of the switch.

Overview Ports Config PoE Diagnose Downlink Device

Description:

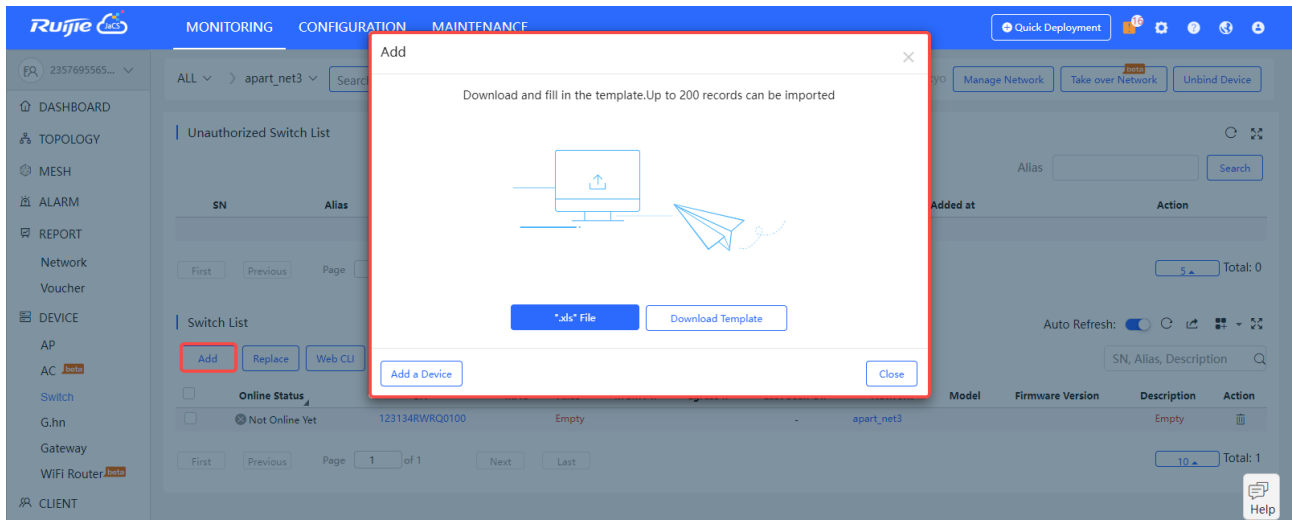
Downlink Device List

Port	SN	Status	MAC	Management IP	Description
Gi0/3	1234942570228	Offline	00d2.f822.350e	192.168.3.15	Ruijie AP820-A(V3) (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.
Gi0/5		Abnormal	300d.9e43.10fc		
Gi0/15	G1QD7PW015856	Online	ecb9.7039.6199	192.168.3.22	Ruijie Indoor AP180(UP) (802.11a/n/ac/ax and 802.11b/g/n/ax) By Ruijie Networks.
Gi0/20	1234942570099	Offline	00d0.f811.2239	192.168.3.2	Ruijie Gigabit Ethernet Switch with PoE(XS-S1930J-8GT2SFP-P) By Ruijie Networks

5.6.3.3 Basic Switch Operations

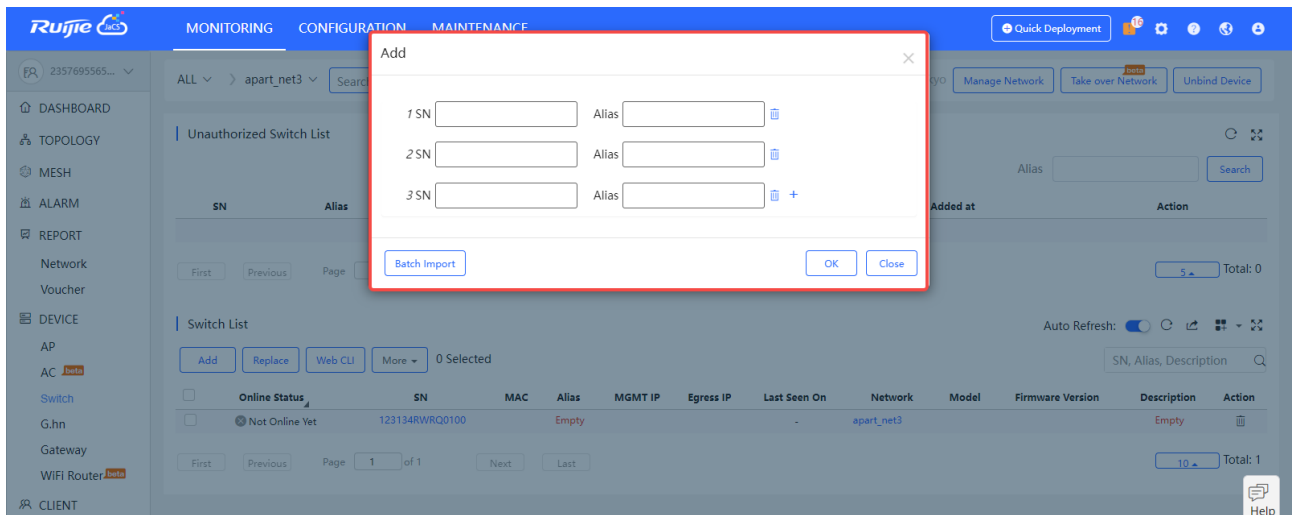
● Add Switch

Select the network, and click **Add**. Both batch import and manual add are supported.



Click **Download Template** to download the template, enter switch information, and click **'*.xls' File** to import the template.

Click **Add a Device**, enter SN and alias of the switch, and click **OK**. Click **+** to add multiple switches.



● Replace Switch

The configuration of old device can be synced to the new device. After the new device goes online, the configuration file of the old device will be delivered.

Select an existing device.

The screenshot shows the Ruijie Monitoring interface. On the left is a sidebar with navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main area displays the 'Unauthorized Switch List' and 'Switch List'.

Unauthorized Switch List

SN	Alias	Status	Network	Added at	Action
No Data					

Switch List

Buttons: Add, Replace, Web CLI, More. 2 Selected

Online Status	SN	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version
<input checked="" type="checkbox"/> Online	1234942570020	00d0.f822.33d0	SW2	10.52.25.147	10.52.25.147	2023-12-07 10:07:07	V1.5.4-GHN	S2910-24GT45FP-UP-H	S29_RGOS 11.4(1)B74P1, Release(0723241
<input checked="" type="checkbox"/> Online	1234942571093	00d0.f822.3354	C19-CSX-WAN	10.52.25.96	10.52.25.96	2023-12-07 10:05:07	V1.5.4-SW	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09
<input type="checkbox"/> Offline	1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	10.52.24.66	2023-12-11 11:44:07	V1.5.4-SW	XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09
<input type="checkbox"/> Offline	G1LW31Y00005B	00d0.f822.3348	Empty	10.52.25.47	10.52.25.47	-	default	XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release
<input type="checkbox"/> Offline	G1QPAE2001216	ecb9.7015.58d4	SW1216	192.168.3.7	10.52.24.66	2023-10-26 11:49:07	V1.5.3-TOPOLOGY1	XS-S1930J-18GT25FP	XS1930J_RGOS 11.4(1)B70P18, Release
<input type="checkbox"/> Not Online Yet	123134RWRQ0100		Empty			-	apart_net3		
<input type="checkbox"/> Not Online Yet	1234942570099	00d0.f811.2239	Empty	192.168.3.2		-	RF-APART-DEVICE	XS-S1930J-8GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/> Not Online Yet	12454563460100		Empty			-	sub1		
<input type="checkbox"/> Not Online Yet	ADDSW001		Empty			-	V1.5.4-SW		
<input type="checkbox"/> Not Online Yet	ADSW00012		Empty			-	V1.5.4-SW		

Click

Replace

Replace

Device List

Batch Import

Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File?
1234942570020	Enter SN	Please enter the MAC.	Select Config File
1234942571093	Enter SN	Please enter the MAC.	Select Config File

OK

By default, the configuration file of the old device is the latest automatic configuration file, or you can select the history configuration file manually. The MAC of new device is required. The SN and the MAC of device should be consistent, and the models of old device and new device should be the same; otherwise, the replacement cannot be performed.

Download Template

To batch replace switches, click

to download the template and enter the device information.

	A	B	C
1	Replaced Device SN	New Device SN	MAC
2			
3			
4			

Click

Batch Import

to import the template.

Replace

Device List

Batch Import

Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File
1234942570020	<input type="text" value="Enter SN"/>	<input type="text" value="abcd.1234.dcba"/>	<input type="text" value=""/> <div>Select Config File</div>
1234942571093	<input type="text" value="Enter SN"/>	<input type="text" value="abcd.1234.dcba"/>	<input type="text" value=""/> <div>Select Config File</div>

OK

To replace the configuration with the configuration of an existing device, click

Select Config File

Select Config File

Current

Back up

0 Selected

Q Search

File Name	Time	Mode	Description	Action
<input type="radio"/> myConfigFile	2023-12-12 18:47:18	Customize	Empty	Details
<input type="radio"/> 1234942570020_1701308772672	2023-11-30 10:46:11	Manual	Empty	Details
<input type="radio"/> 1234942570020_1701266462258	2023-11-29 23:01:00	Auto	Empty	Details
<input type="radio"/> 1234942570020_1701249813390	2023-11-29 18:23:26	Auto	Empty	Details

First

Previous

Page 1 of 1

Next

Last

10

Total: 4

OK

Replace

Device List

Batch Import

Download Template

Replaced Device SN	New Device SN	New Device MAC	Config File
1234942570020	<input type="text" value="Enter SN"/>	<input type="text" value="abcd.1234.dcba"/>	1234942570020_17013 <div>Select Config File</div>
1234942571093	<input type="text" value="Enter SN"/>	<input type="text" value="abcd.1234.dcba"/>	1234942571093_17023 <div>Select Config File</div>

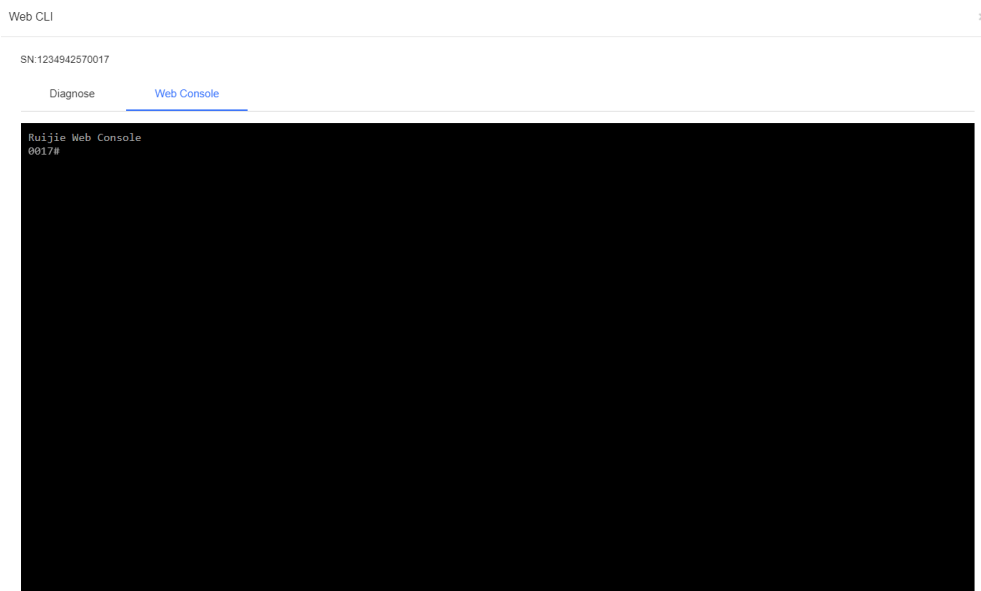
OK

● Web CLI

Select one or multiple devices in the **Switch List**, and click **Web CLI**. The **Web CLI** dialog box is displayed, and device information can be queried via the menus in this dialog box. The menus vary with the products.



In addition, in the command entry box, the **TAB** key and question mark (?) both can complete a command.



- More > Move to

Select one or multiple devices in the **Switch List**, click **More > Move to**, select the new network and click **OK**.

Unauthorized Switch List

SN: Alias: Search

SN	Alias	Status	Network	Added at	Action
No Data					

First Previous Page 0 of 0 Next Last 5 Total: 0

Switch List

Add Replace Web CLI More 1 Selected SN, Alias, Description

Online Status	SN	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version
<input checked="" type="checkbox"/> Online	1234942570020	00d0.f822.33d0	SW2	10.52.25.147	10.52.25.147	2023-12-07 10:07:07	V1.5.4-GHN	S2910-24GT45FP-UP-H	S29_RGOS 11.4(1)B74P1, Release(0723241
<input checked="" type="checkbox"/> Online	1234942571093	00d0.f822.3354	C19-CSX-WAN	10.52.25.96	10.52.25.96	2023-12-07 10:05:07	V1.5.4-SW	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09
<input type="checkbox"/> Offline	1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	10.52.24.66	2023-12-11 11:44:07	V1.5.4-SW	XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09
<input type="checkbox"/> Offline	G1LW31Y00005B	00d0.f822.3348	Empty	10.52.25.47	10.52.25.47	-	default	XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/> Offline	G1QPAE2001216	ecb9.7015.58d4	SW1216	192.168.3.7	10.52.24.66	2023-10-26 11:49:07	V1.5.3-TOPOLOGY1	XS-S1930J-18GT25FP	XS1930J_RGOS 11.4(1)B70P18, Release(10

Select Network

- ALL
- 1111test测试
- AAA-V1.5.4-SUBNET
- apart_net3
- apart_net4
- apart_net5
- apart_net6
- apart_net7
- apart_net8
- apart_test1
- apart_test100
- apart_test11
- apart_test12
- apart_test13
- apart_test14
- apart_test15

OK Cancel

More > Delete

Select one or multiple devices in the **Switch List**, click **More > Delete** and click **OK**.

Switch List

Add Replace Web CLI More 1 Selected SN, Alias, Description

Online Status	SN	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version
<input checked="" type="checkbox"/> Online	1234942570020	00d0.f822.33d0	SW2	10.52.25.147	10.52.25.147	2023-12-07 10:07:07	V1.5.4-GHN	S2910-24GT45FP-UP-H	S29_RGOS 11.4(1)B74P1, Release(0723241
<input checked="" type="checkbox"/> Online	1234942571093	00d0.f822.3354	C19-CSX-WAN	10.52.25.96	10.52.25.96	2023-12-07 10:05:07	V1.5.4-SW	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09
<input type="checkbox"/> Offline	1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	10.52.24.66	2023-12-11 11:44:07	V1.5.4-SW	XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09
<input type="checkbox"/> Offline	G1LW31Y00005B	00d0.f822.3348	Empty	10.52.25.47	10.52.25.47	-	default	XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/> Offline	G1QPAE2001216	ecb9.7015.58d4	SW1216	192.168.3.7	10.52.24.66	2023-10-26 11:49:07	V1.5.3-TOPOLOGY1	XS-S1930J-18GT25FP	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/> Not Online Yet	123134WRQ0100	00d0.f811.2239	Empty	192.168.3.2	-	-	apart_net3	RF-APART-DEVICE	XS-S1930J-8GT25FP-P
<input type="checkbox"/> Not Online Yet	1234942570099	00d0.f811.2239	Empty	192.168.3.2	-	-	sub1	XS-S1930J-8GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/> Not Online Yet	12454563460100	00d0.f811.2239	Empty	192.168.3.2	-	-	sub1	XS-S1930J-8GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(10

● More > Reboot

Select one or multiple devices in the **Switch List**, and click **Reboot**.

The screenshot shows the Ruijie JaCS interface with the 'Switch List' tab selected. The 'More' button is highlighted, and the 'Reboot' option is selected from the dropdown menu. The table below shows the list of switches.

SN	Alias	Status	Network	Added at	Action						
No Data											
First Previous Page 0 of 0 Next Last											
Switch List											
Add Replace Web CLI More 1 Selected											
<input type="checkbox"/>	Online Status	Move to	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version	
<input checked="" type="checkbox"/>	Online	Delete	1822.33d0	SW2	10.52.25.147	10.52.25.147	2023-12-07 10:07:07	V1.5.4-GHN	S2910-24GT4SFP-UP-H	S29_RGOS 11.4(1)B74P1, Release(0723241	
<input type="checkbox"/>	Online	Reboot	1822.3354	C19-CSX-WAN	10.52.25.96	10.52.25.96	2023-12-07 10:05:07	V1.5.4-SW	XS-S1930J-24GT4SFP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09	
<input type="checkbox"/>	Offline		1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	10.52.24.66	2023-12-11 11:44:07	V1.5.4-SW	XS-S1930J-18GT2SFP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09
<input type="checkbox"/>	Offline		G1LW31Y00005B	00d0.f822.3348	Empty	10.52.25.47	10.52.25.47	-	default	XS-S1930J-24GT4SFP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/>	Offline		G1QPAE2001216	ecb9.7015.58d4	SW1216	192.168.3.7	10.52.24.66	2023-10-26 11:49:07	V1.5.3-TOPOLGY1	XS-S1930J-18GT2SFP	XS1930J_RGOS 11.4(1)B70P18, Release(10
<input type="checkbox"/>	Not Online Yet		123134RWQ0100	Empty					apart_net3	XS-S1930J-18GT2SFP	XS1930J_RGOS 11.4(1)B70P18, Release
<input type="checkbox"/>	Not Online Yet		1234942570099	00d0.f811.2239	Empty	192.168.3.2			RF-APART-DEVICE	XS-S1930J-8GT2SFP-P	XS1930J_RGOS 11.4(1)B70P18, Release
<input type="checkbox"/>	Not Online Yet		12454563460100	Empty					sub1		

5.6.4 G.hn

G.hn telephone line products including the main telephone line unit HS2310-16GH2GT1XS and the child telephone line unit RG-HA3515-DG. The main telephone unit RG-HS2310-16GH2GT1XS is a telephone line switch, and the child telephone line unit is an access point. After being connected to Ruijie JaCS, the main telephone unit can be managed via the G.hn page, and the child telephone line unit can be managed via the **DEVICE > AP** page. In addition, the information of a child telephone line unit can be displayed on the detailed page of the main telephone line unit.

5.6.4.1 G.hn List

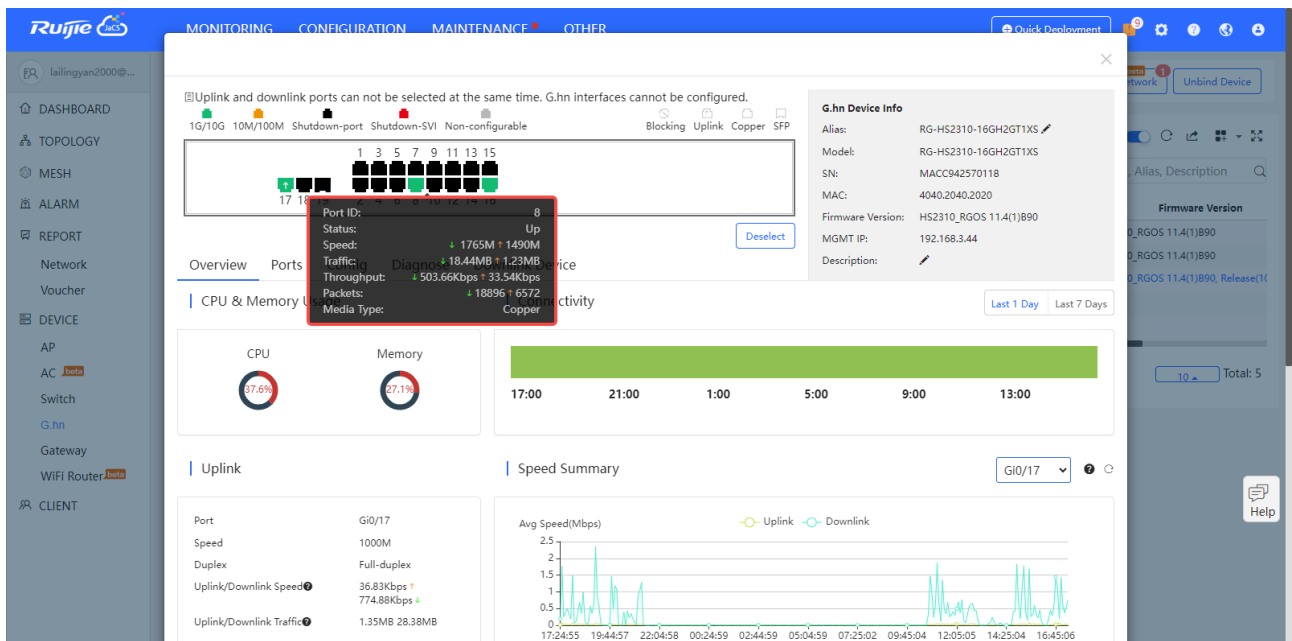
The **G.hn Device List** displays basic device information, including the online/offline status, SN, MAC, alias, management IP, egress IP, offline time, network, model, firmware version and description.

The screenshot shows the Ruijie JaCS interface with the 'G.hn Device List' tab selected. The table below displays the list of G.hn devices.

Online Status	SN	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version	Description	Action
<input checked="" type="checkbox"/> Online	G1509H9023523	d431.2749.12ec	4912	192.168.6.10	10.52.24.32	-	apartment-001	RG-HS2310-16GH2GT1XS	HS2310_RGOS 11.4(1)B90	HS21-S-4	
<input type="checkbox"/> Not Online Yet	99999999991		Empty			-	apartment-001			Empty	
<input type="checkbox"/> Not Online Yet	99999999999		Empty			-	apartment-001			Empty	
<input type="checkbox"/> Not Online Yet	G1509H9023520		20			-	apartment-001			999999	
<input type="checkbox"/> Not Online Yet	GHNTEST1		Empty			-	apartment-001			Empty	
<input type="checkbox"/> Not Online Yet	TEST1111111		Empty			-	apartment-001			Empty	
<input type="checkbox"/> Not Online Yet	TEST22222		Empty			-	apartment-001			Empty	
<input type="checkbox"/> Not Online Yet	TEST333333333		Empty			-	apartment-001			Empty	

5.6.4.2 Device Details

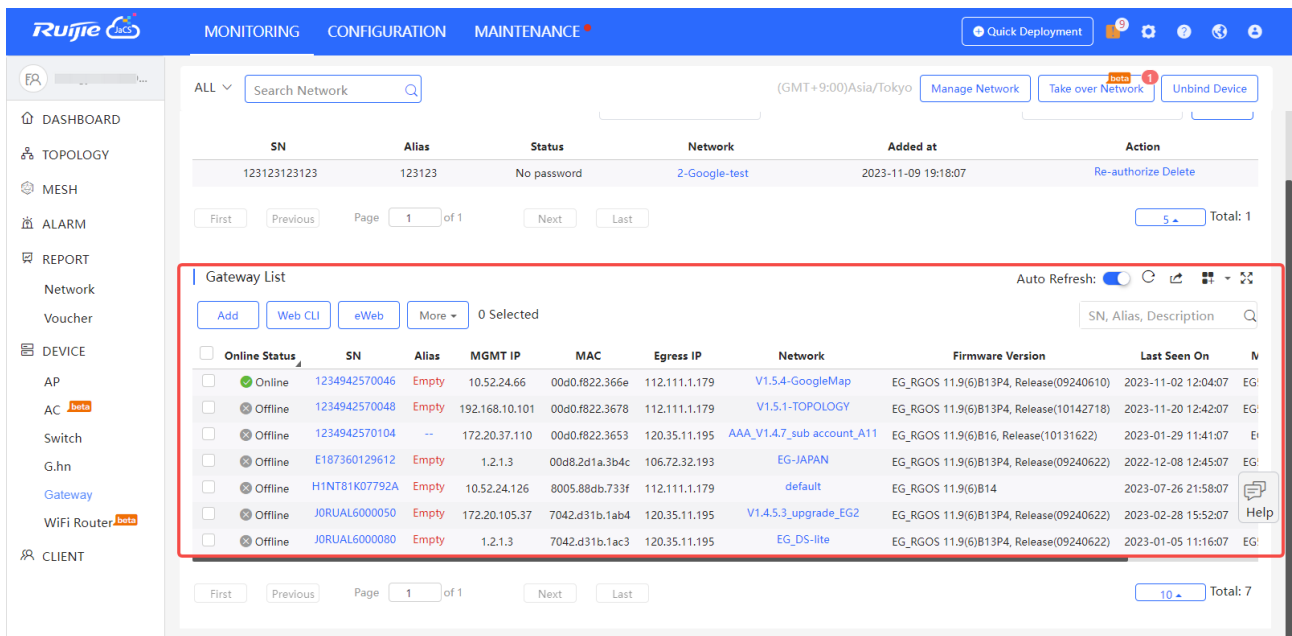
The details pages of switches and G.hn devices are similar. For the introduction, refers to the section 5.6.3.2. The main difference on details page between G.hn devices and switches is that ports 1-16 of HS2310-16GH2GT1XS are G.hn ports. When moving the cursor to a G.hn port, the port information is displayed, including the port ID, port status, speed, traffic, throughput, etc.



5.6.5 Gateway

5.6.5.1 Gateway List

The **Gateway List** displays basic device information, including the online/offline status, SN, alias, management IP, MAC, egress IP, network, firmware version, offline time, model and description.



The **Gateway List** automatically refreshes every minute. Click **Auto Refresh** to enable/disable the auto refresh function.

Above the list are the **Add Gateway**, **Web CLI** and **eWeb** functions. Click **More** to display the **Move to**, **Reboot**, **Tunnel** and **Delete** functions. For more information, refer to **Basic Gateway Operations**.

The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on online/offline status.

5.6.5.2 Device Details

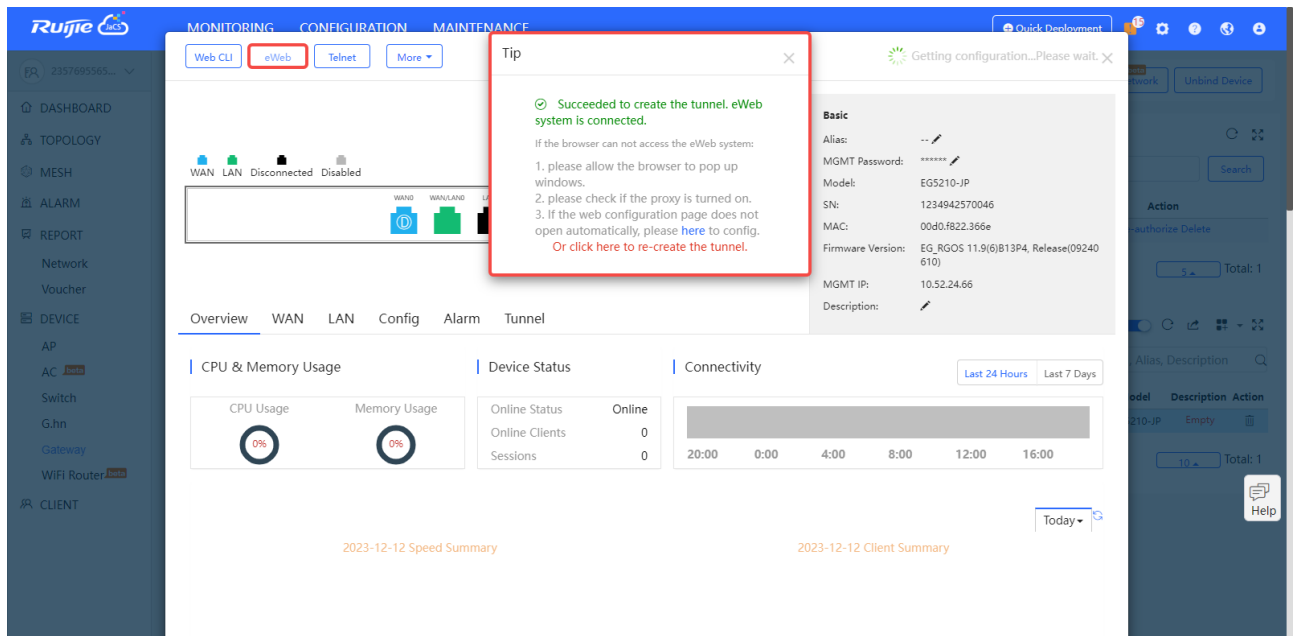
- Web CLI

Click **Web CLI**, and the **Web CLI** page is displayed. The **Web CLI** page provides commonly-used CLI commands on the left. Click the command, or manually enter the command and click **Send**.



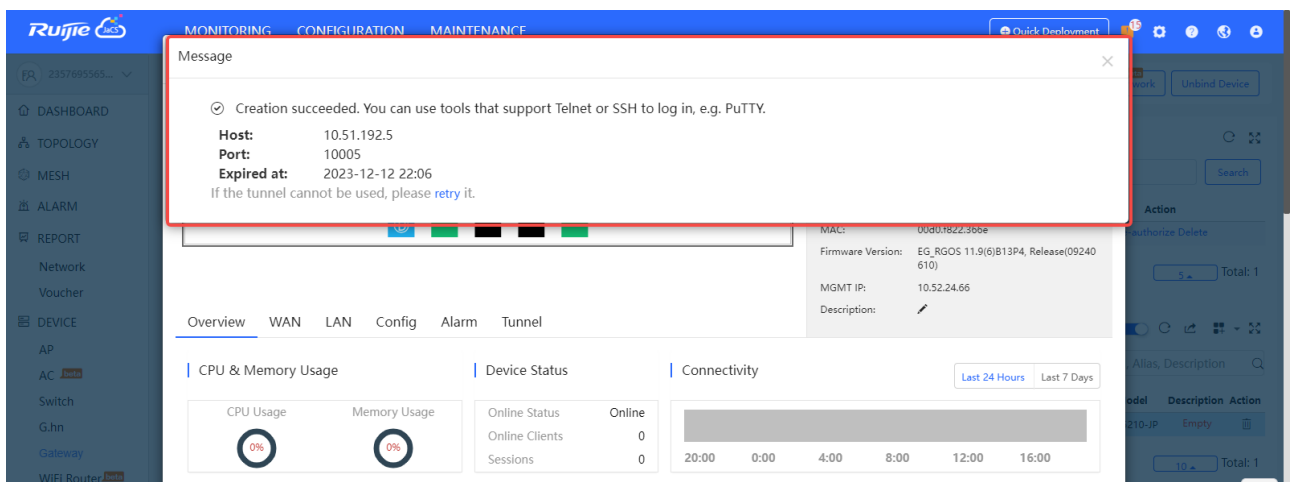
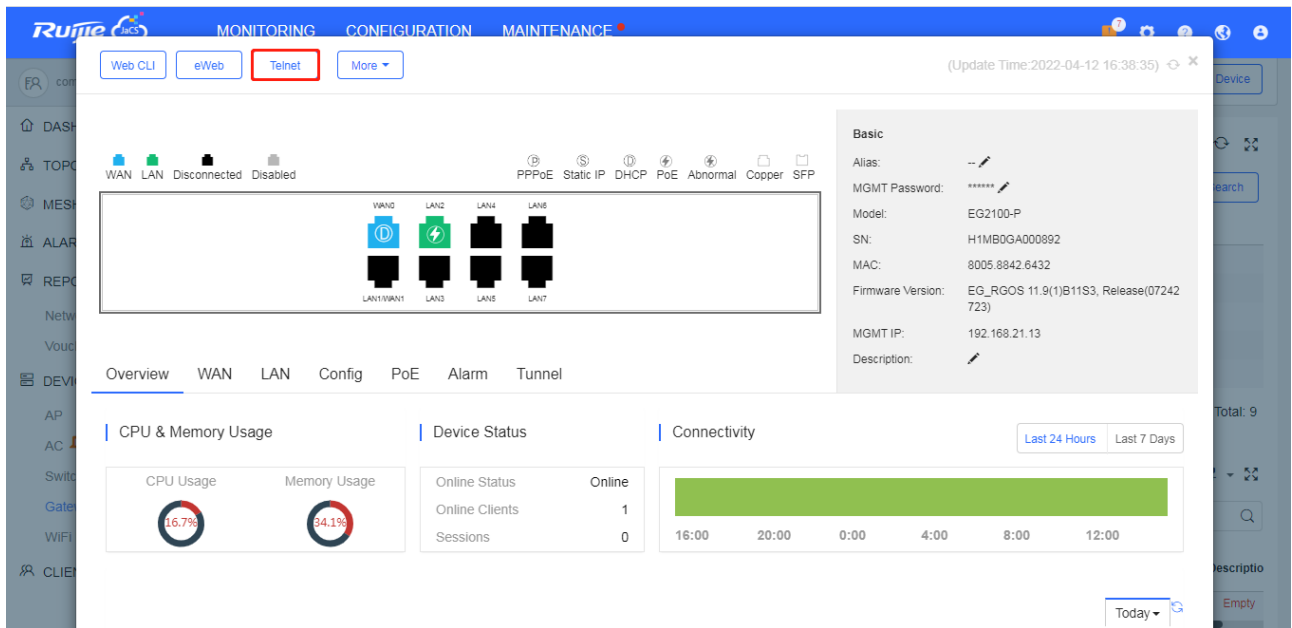
- eWeb

Click **eWeb** to open the eWeb system in a new window.



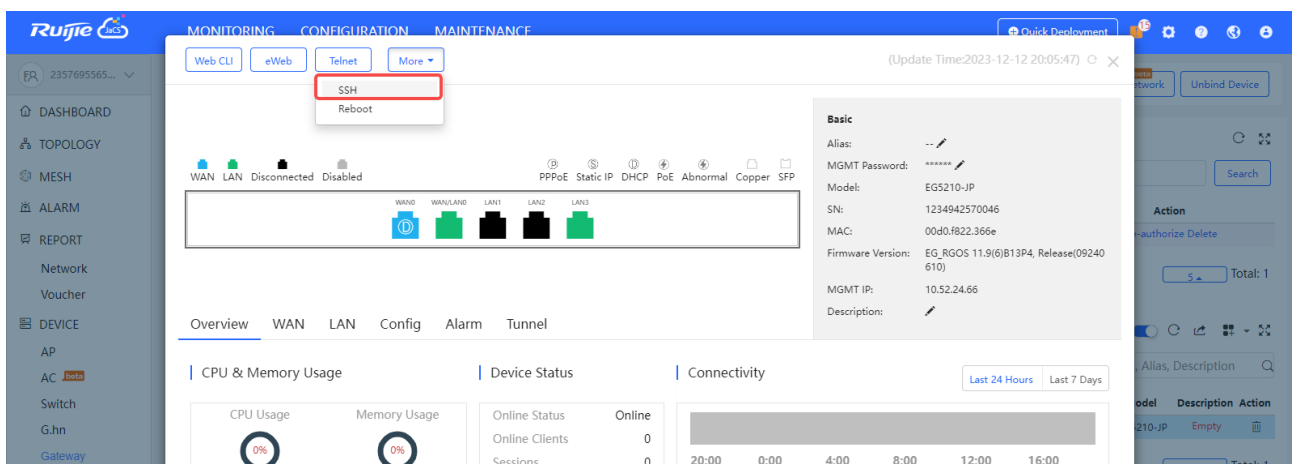
- Telnet

Click **Telnet**, and a window is opened to connect to the gateway by Telnet protocol. Enter CLI commands to configure the gateway.



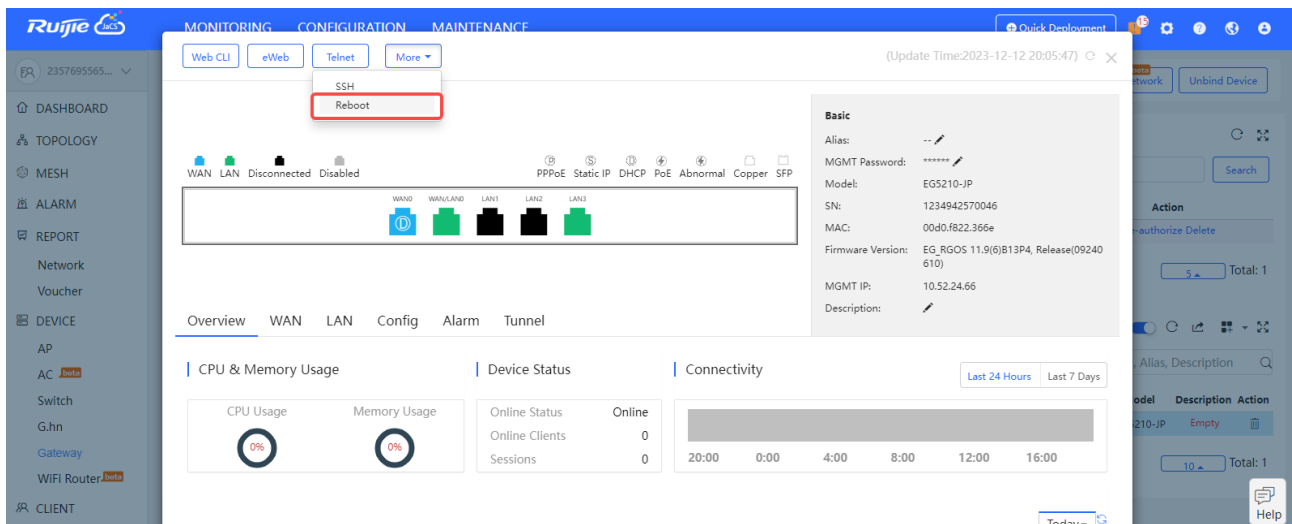
More > SSH

Click **More > SSH**, and a window is opened to connect to the gateway by SSH protocol. Use other SSH tools to connect to the gateway.




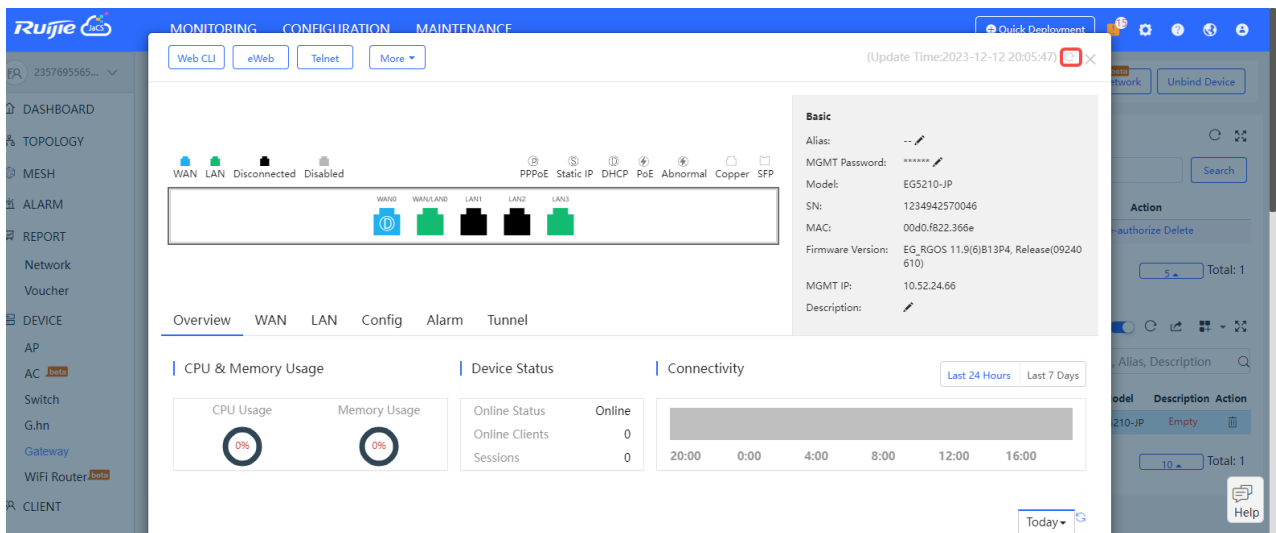
More > Reboot

Click **More > Reboot** to restart the gateway.



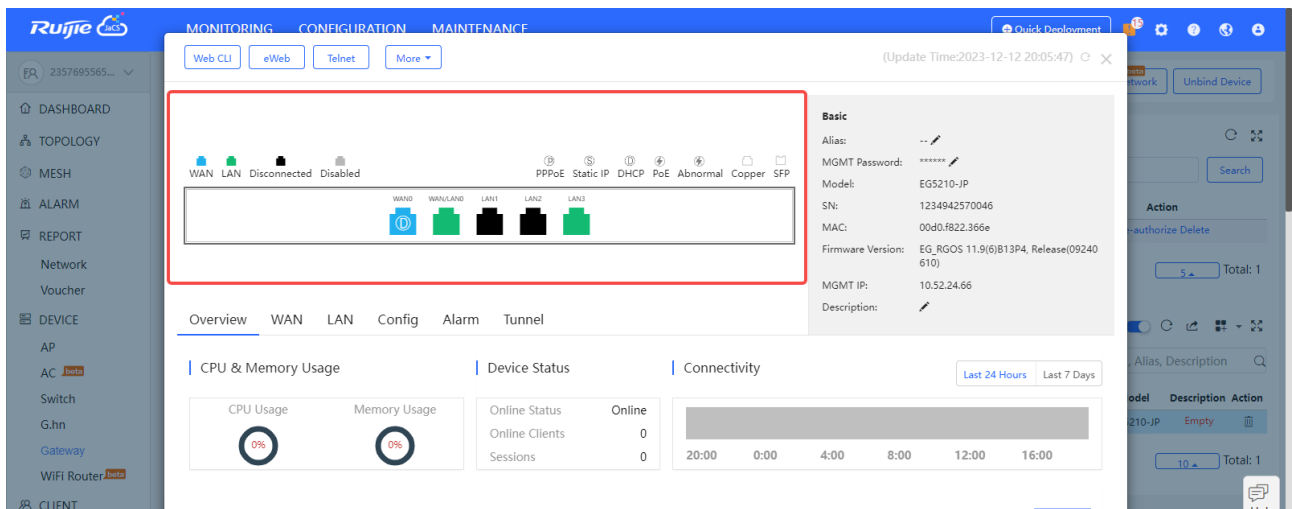
● Refresh

Click  to refresh all data in the page.



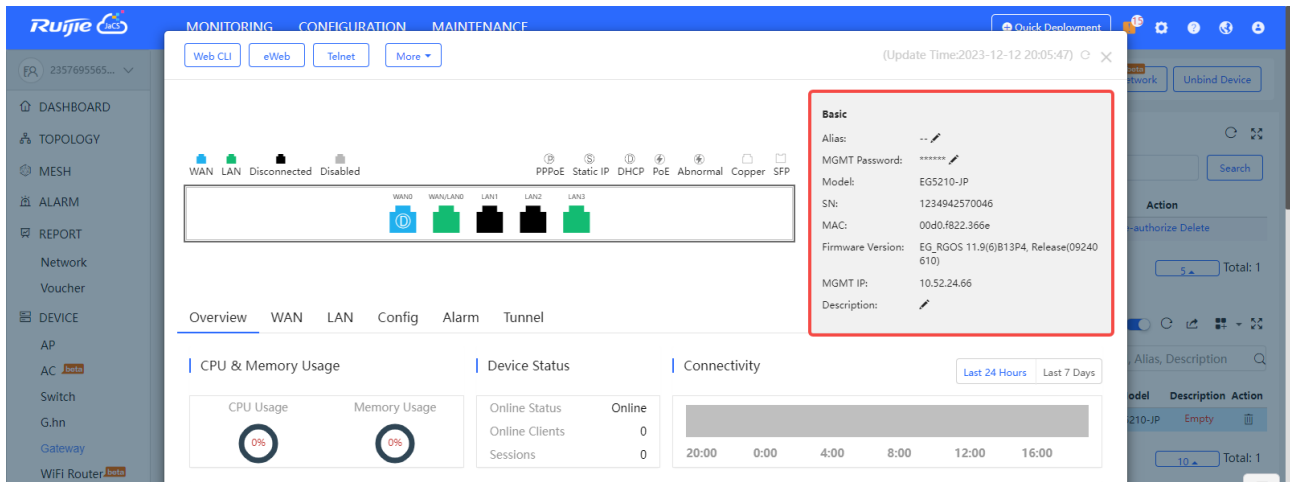
● Port Panel

The port panel imitates the actual gateway panel, displaying the port type and status.



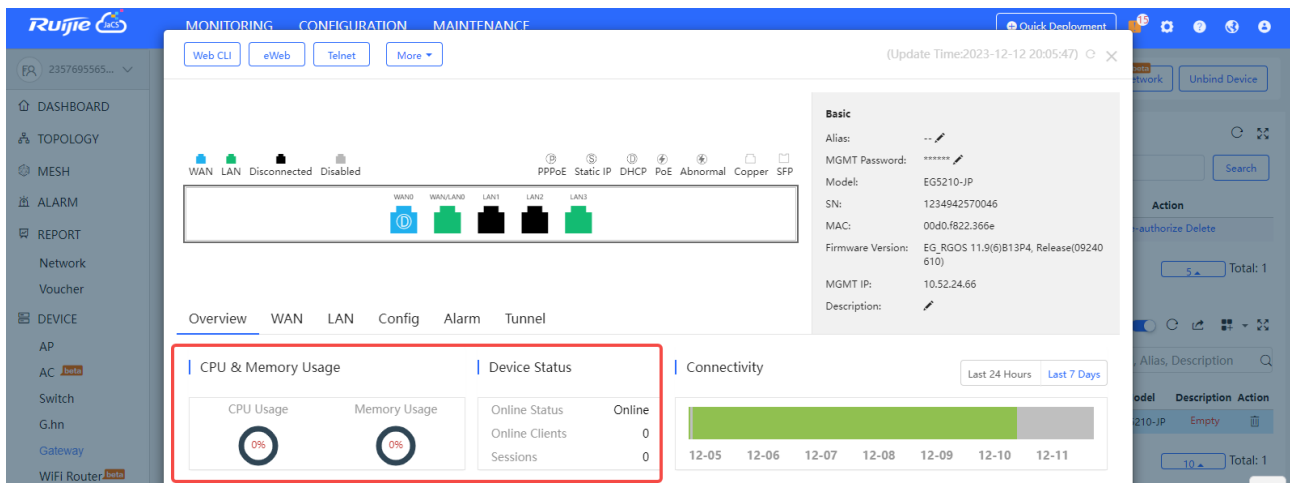
- Basic

Basic information includes the alias, model, SN and other information. **Alias**, **MGMT Password** and **Description** can be edited.



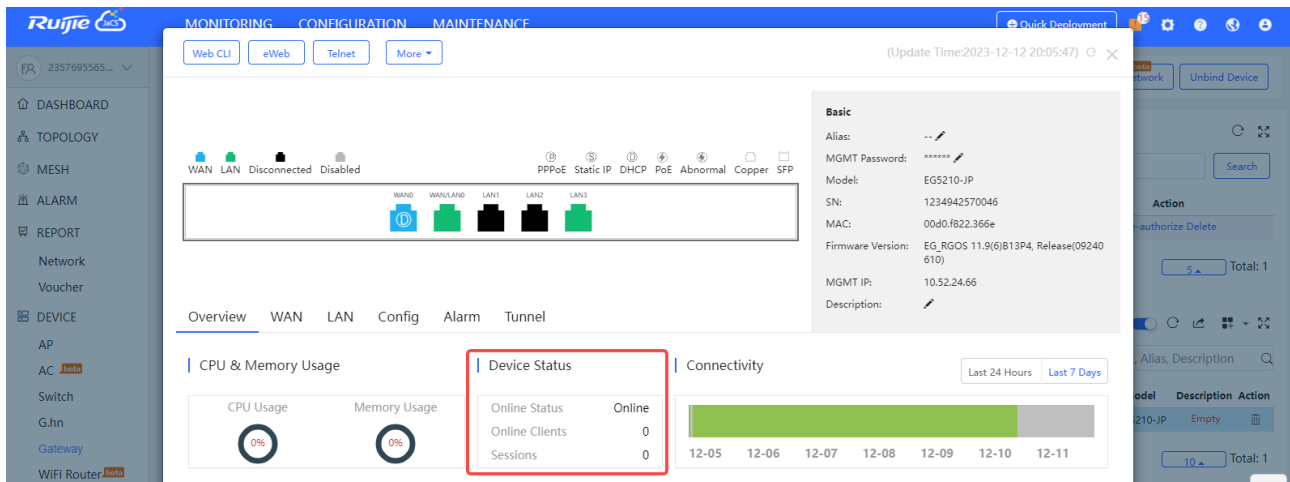
- Overview > CPU & Memory Usage

CPU & memory usage are displayed here.



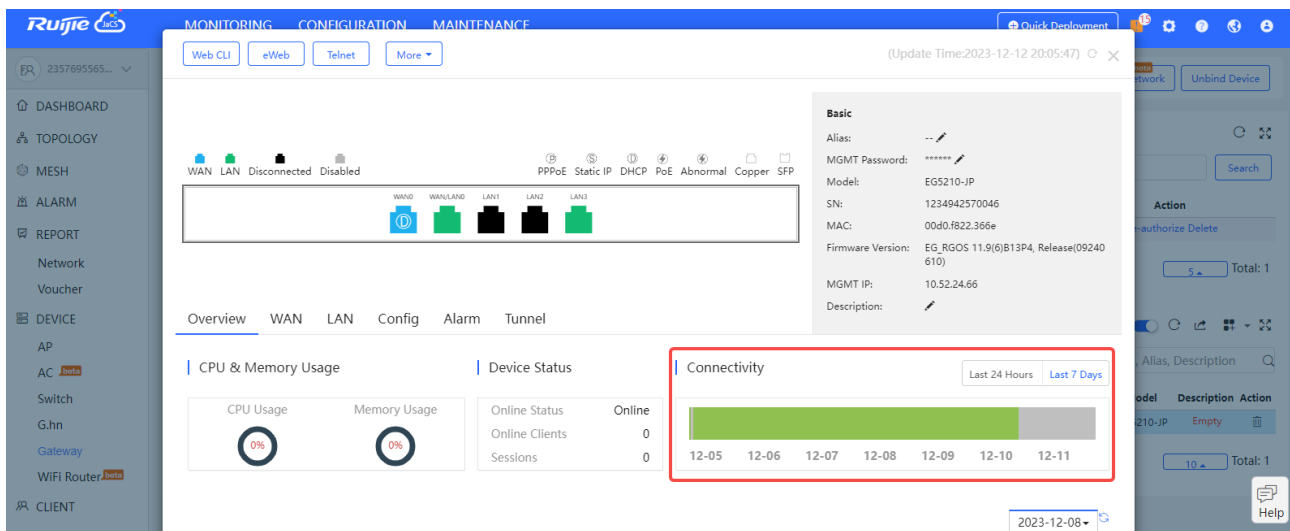
- Overview > Device Status

Device status includes online status, online clients and sessions.



● Overview > Connectivity

Connectivity refers to the connectivity (online status) between Gateway and Cloud Service within a period (1 day or 7 days).



● Overview > Speed Summary

The uplink/downlink speed summary over the 24 hours is displayed.



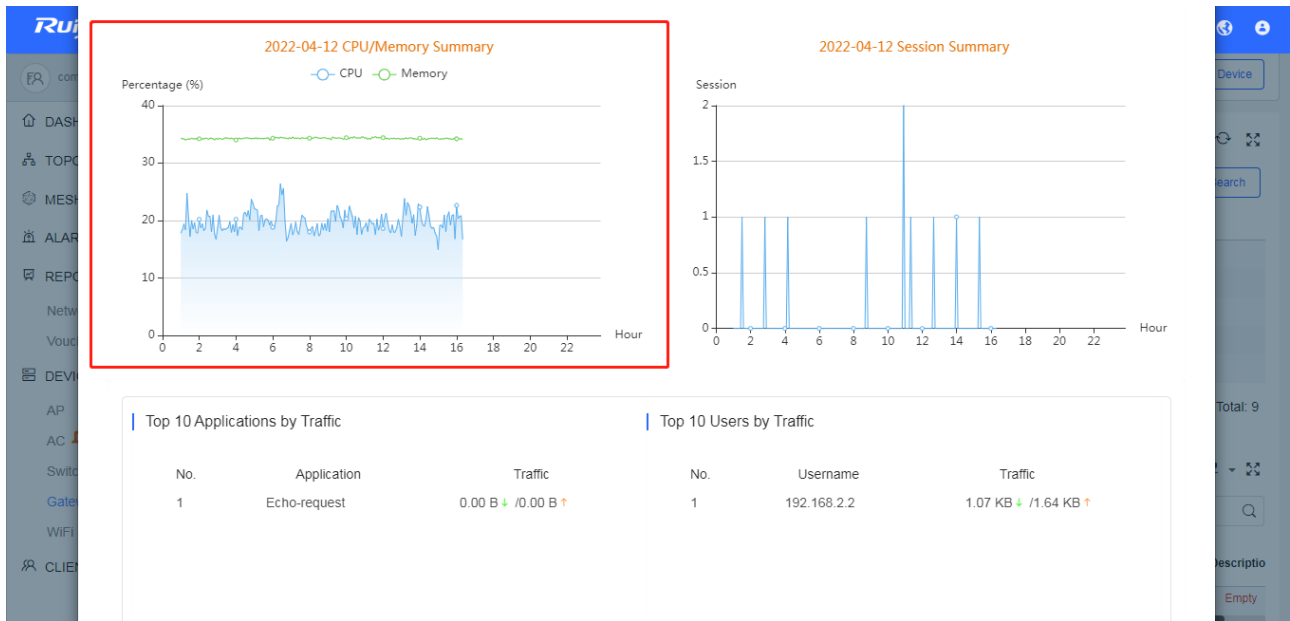
● Overview > Client Summary

The client statistics over the 24 hours are displayed.



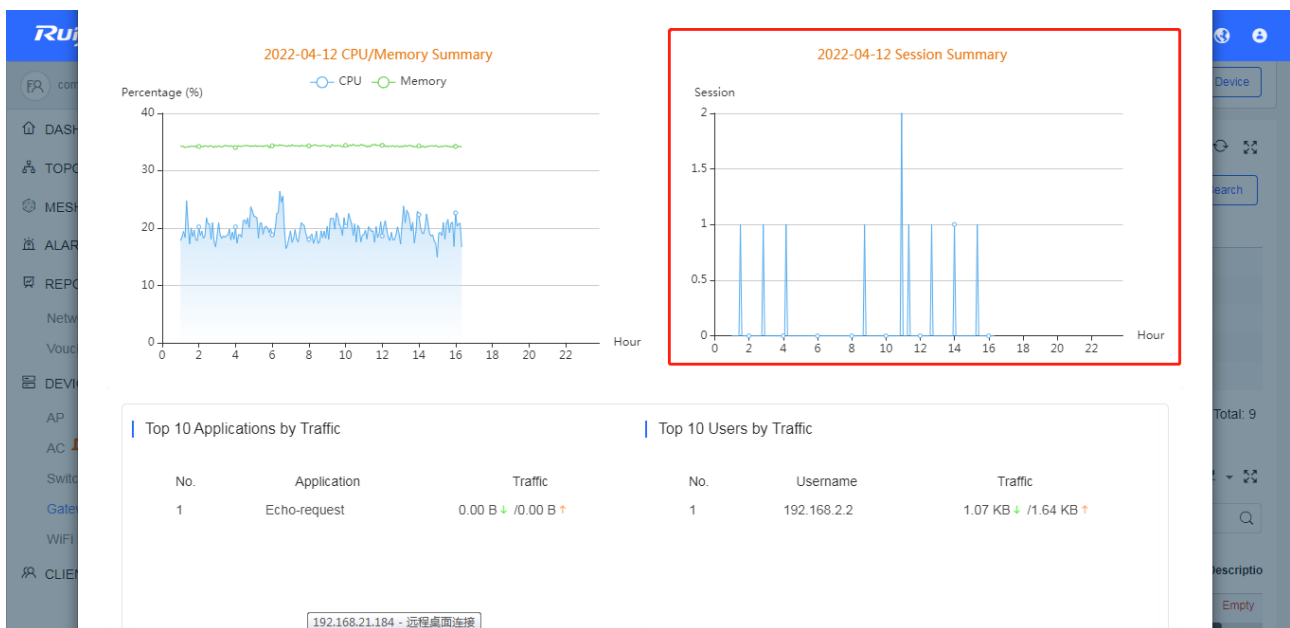
● Overview > CPU/Memory Summary

CPU/memory summary over the 24 hours are displayed.



● Overview > Session Summary

Session summary over the 24 hours is displayed.



● Overview > Top 10 Applications by Traffic

Top 10 applications by downlink traffic are displayed.

Top 10 Applications by Traffic

No.	Application	Traffic
1	THUNDER ThunderTV	2.49 KB ↓ /1008.00 B ↑
2	HTTP-BROWSE	2.29 KB ↓ /6.37 KB ↑
3	DNS	2.00 KB ↓ /1.03 KB ↑
4	HTTPS	1.90 KB ↓ /3.58 KB ↑
5	QUIC	692.00 B ↓ /1.40 KB ↑
6	SSH	677.00 B ↓ /560.00 B ↑
7	Echo-request	544.00 B ↓ /544.00 B ↑
8	TCP-TRANSFERS	375.00 B ↓ /410.00 B ↑
9	UDP-COMMUTE	242.00 B ↓ /249.00 B ↑
10	SYN_ACK	160.00 B ↓ /2.14 KB ↑

Top 10 Users by Traffic

No.	Username	Traffic
1	192.168.3.14	3.59 KB ↓ /8.05 KB ↑
2	192.168.3.34	2.55 KB ↓ /1.02 KB ↑
3	192.168.3.44	2.09 KB ↓ /4.91 KB ↑
4	192.168.3.36	1.23 KB ↓ /931.00 B ↑
5	192.168.3.37	1.15 KB ↓ /679.00 B ↑
6	192.168.3.72	389.00 B ↓ /1.17 KB ↑
7	192.168.3.152	207.00 B ↓ /232.00 B ↑
8	192.168.3.15	195.00 B ↓ /381.00 B ↑
9	192.168.3.22	77.00 B ↓ /79.00 B ↑
10	192.168.3.4	27.00 B ↓ /25.00 B ↑

Log Record

Type	Updated at	Content
Reboot	2023-12-12 20:03:24	Device First connect to MACC or MACC address change

● Overview > Top 10 Users by Traffic

Top 10 users by downlink traffic are displayed.

Top 10 Applications by Traffic

No.	Application	Traffic
1	THUNDER ThunderTV	2.49 KB ↓ /1008.00 B ↑
2	HTTP-BROWSE	2.29 KB ↓ /6.37 KB ↑
3	DNS	2.00 KB ↓ /1.03 KB ↑
4	HTTPS	1.90 KB ↓ /3.58 KB ↑
5	QUIC	692.00 B ↓ /1.40 KB ↑
6	SSH	677.00 B ↓ /560.00 B ↑
7	Echo-request	544.00 B ↓ /544.00 B ↑
8	TCP-TRANSFERS	375.00 B ↓ /410.00 B ↑
9	UDP-COMMUTE	242.00 B ↓ /249.00 B ↑
10	SYN_ACK	160.00 B ↓ /2.14 KB ↑

Top 10 Users by Traffic

No.	Username	Traffic
1	192.168.3.14	3.59 KB ↓ /8.05 KB ↑
2	192.168.3.34	2.55 KB ↓ /1.02 KB ↑
3	192.168.3.44	2.09 KB ↓ /4.91 KB ↑
4	192.168.3.36	1.23 KB ↓ /931.00 B ↑
5	192.168.3.37	1.15 KB ↓ /679.00 B ↑
6	192.168.3.72	389.00 B ↓ /1.17 KB ↑
7	192.168.3.152	207.00 B ↓ /232.00 B ↑
8	192.168.3.15	195.00 B ↓ /381.00 B ↑
9	192.168.3.22	77.00 B ↓ /79.00 B ↑
10	192.168.3.4	27.00 B ↓ /25.00 B ↑

Log Record

Type	Updated at	Content
Reboot	2023-12-12 20:03:24	Device First connect to MACC or MACC address change

● Overview > Device Log

The device log records the historical operations, including online/offline, restart, upgrade and VLAN change, and supports queries based on log type and time.

Log Record

Device Log Config Log

All Search

Type	Updated at	Content
Reboot	2023-12-12 20:03:24	Device First connect to MACC or MACC address change
Online/Offline	2023-12-12 20:03:17	Device online
Online/Offline	2023-12-11 11:28:07	Device offline. The final time when it sends packets to MACC is: 2023-12-11 11:19:07(It is an estimated value. The deviation is 1 minute.)
Online/Offline	2023-12-05 20:44:27	Device online
Online/Offline	2023-12-05 19:54:07	Device offline. The final time when it sends packets to MACC is: 2023-12-05 19:45:07(It is an estimated value. The deviation is 1 minute.)
Online/Offline	2023-12-04 18:49:55	Device goes online for the first time
Online/Offline	2023-11-22 22:48:17	Device goes online for the first time
Online/Offline	2023-10-26 18:10:07	Device offline. The final time when it sends packets to MACC is: 2023-10-26 18:01:07(It is an estimated value. The deviation is 1 minute.)
Reboot	2023-10-26 10:53:13	Device restart
Reboot	2023-10-26 10:53:12	Device restart

First Previous Page 1 of 2 Next Last

10 Total: 15

Overview > Config Log

The Config log records the historical configuration delivery, and supports queries based on status and time.

Config Log

Device Log Config Log

Search

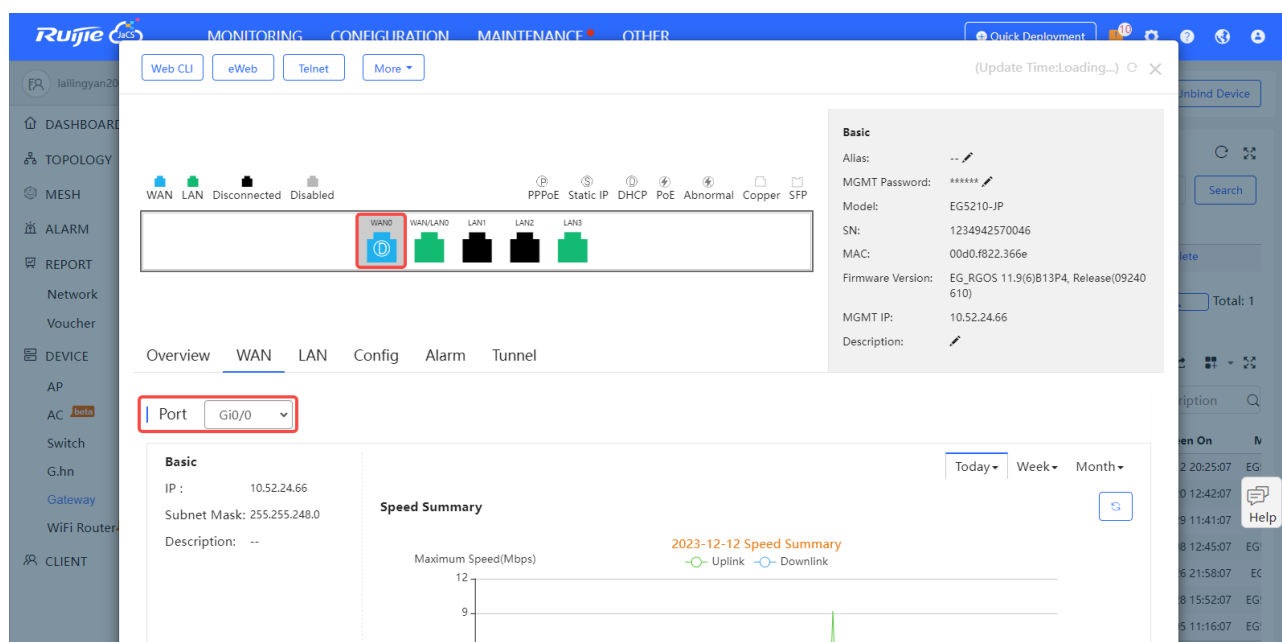
Operation Type	Started at	Ended at	Status	Description	Details
Initial online of the device	2023-12-12 20:03	2023-12-12 20:03	Succeeded	Device: 1234942570046	
Switch device group	2023-12-07 18:41	2023-12-07 18:41	Succeeded	デバイス:1234942570046.グループがdefault...	
Device first online	2023-12-04 18:49	2023-12-04 18:49	Succeeded	Device: 1234942570046	
Device first online	2023-11-22 22:48	2023-11-22 22:48	Succeeded	Device: 1234942570046	
Switch device group	2023-10-25 10:53	2023-10-25 10:53	Succeeded	Device: 1234942570046. Group is changed ...	
Device first online	2023-10-23 18:55	2023-10-23 18:56	Succeeded	Device: 1234942570046	
Switch device group	2023-10-23 15:09	2023-10-23 15:09	Succeeded	Device: 1234942570046. Group is changed ...	
Switch device group	2023-10-23 12:19	2023-10-23 12:19	Succeeded	Device: 1234942570046. Group is changed ...	
Device first online	2023-10-20 18:00	2023-10-20 18:00	Succeeded	Device: 1234942570046	
Configure device name	2023-10-19 18:02	2023-10-19 18:02	Succeeded	Device: 1234942570046; Configuration Ite...	Device name is set to [EG5210-TEST]

First Previous Page 1 of 2 Next Last

10 Total: 16

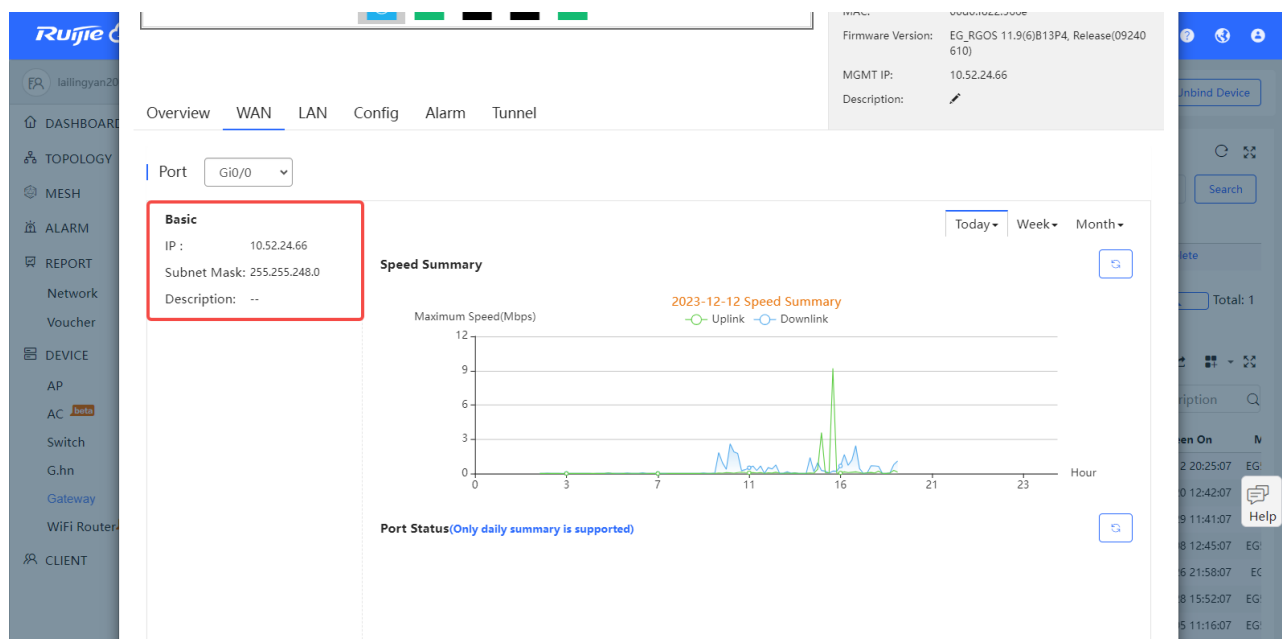
WAN > Port

Select one WAN port to display the corresponding port information and rate summary.



● WAN > Basic

Basic information includes the IP, subnet mask and description. If PPPoE is enabled and dialing port is configured, the PPPoE information is displayed.



PPPoE

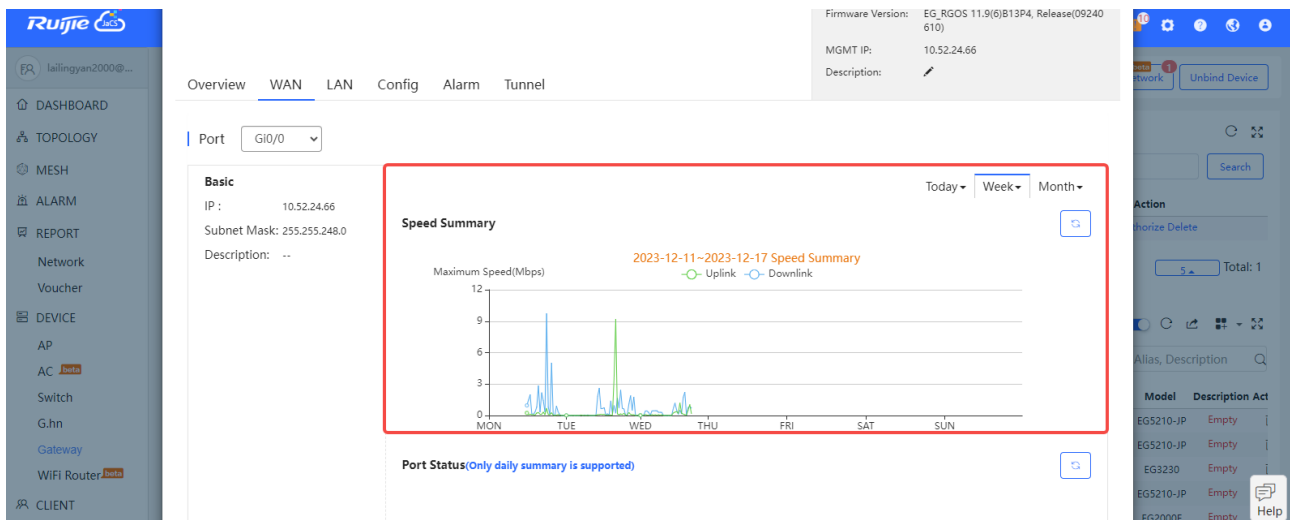
Port: di2
 IP Type: adsl
 Uplink Bandwidth: --
 Downlink Bandwidth: --

● WAN > Speed Summary

Uplink & downlink rate of WAN port are displayed. This page supports queries based on day, week and month. Click



to refresh the summary.



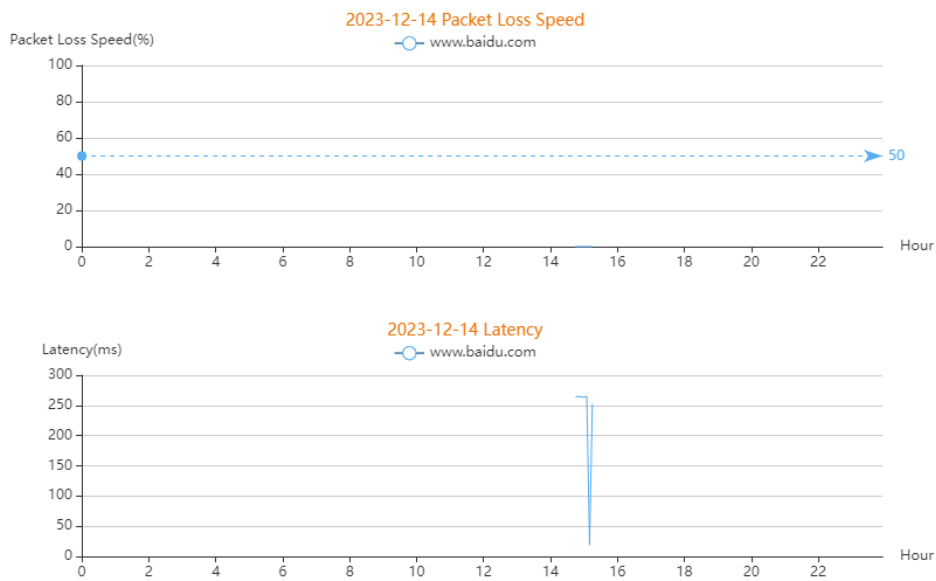
● WAN > Port Status

Packet loss rate and latency summary are displayed. This page supports queries based on day, week and month. Click



to refresh the summary.

Port Status(Only daily summary is supported)



● LAN > Port

Select a LAN port to display the corresponding information of its switch port, routed port and subinterface.

Web CLI eWeb Telnet More (Update Time>Loading...)

2357695565...

DASHBOARD TOPOLOGY MESH ALARM REPORT Network Voucher DEVICE AP AC Switch G.hn Gateway WIFI Router CLIENT

WAN LAN Disconnected Disabled PPPoE Static IP DHCP PoE Abnormal Copper SFP

Overview WAN LAN Config Alarm Tunnel

Port LAN 3 (This port belongs to Gi0/4)

Switch Port (LAN 3)
Duplex: Full
Speed: 1000M

Routed Port (Gi0/4)
IP: 192.168.1.1
Subnet Mask: 255.255.255.0
LAN: LAN 1, LAN 2, LAN 3
Description: --

Subinterface (Gi0/4)

Name	IP	VLAN
No Data		

First Previo... Page 0 of 0 Next Last 10 Total: 0

Basic
Alias: --
MGMT Password: *****
Model: EG5210-JP
SN: 1234942570046
MAC: 00d0.f822.366e
Firmware Version: EG_RGOS 11.9(6)B13P4, Release(09240 610)
MGMT IP: 10.52.24.66
Description: --

LAN > Switch Port

Switch port information includes the switch port, including duplex and rate.

Web CLI eWeb Telnet More (Update Time>Loading...)

2357695565...

DASHBOARD TOPOLOGY MESH ALARM REPORT Network Voucher DEVICE AP AC Switch G.hn Gateway WIFI Router CLIENT

WAN LAN Disconnected Disabled PPPoE Static IP DHCP PoE Abnormal Copper SFP

Overview WAN LAN Config Alarm Tunnel

Port LAN 3 (This port belongs to Gi0/4)

Switch Port (LAN 3)
Duplex: Full
Speed: 1000M

Routed Port (Gi0/4)
IP: 192.168.1.1
Subnet Mask: 255.255.255.0
LAN: LAN 1, LAN 2, LAN 3
Description: --

Subinterface (Gi0/4)

Name	IP	VLAN
No Data		

First Previo... Page 0 of 0 Next Last 10 Total: 0

Basic
Alias: --
MGMT Password: *****
Model: EG5210-JP
SN: 1234942570046
MAC: 00d0.f822.366e
Firmware Version: EG_RGOS 11.9(6)B13P4, Release(09240 610)
MGMT IP: 10.52.24.66
Description: --

LAN > Routed Port

Routed port information includes the IP address, subnet mask, LAN and description.

The screenshot shows the Ruijie eWeb interface for a device with ID 2357695565. The 'LAN' tab is selected. The 'Routed Port (Gi0/4)' section is highlighted with a red box, displaying the following information:

- IP: 192.168.1.1
- Subnet Mask: 255.255.255.0
- LAN: LAN 1, LAN 2, LAN 3
- Description: --

The 'Subinterface (Gi0/4)' table is also visible, showing a table with columns Name, IP, and VLAN, and a 'No Data' message.

LAN > Subinterface

Subinterface information includes the name, IP address, and VLAN.

The screenshot shows the Ruijie eWeb interface for a device with ID 2357695565. The 'LAN' tab is selected. The 'Subinterface (Gi0/4)' table is highlighted with a red box, displaying the following information:

Name	IP	VLAN
No Data		

The table also includes pagination controls: First, Previous, Page 0 of 0, Next, Last, and a Total: 0 count.

Config > Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5.

The screenshot displays the Ruijie Cloud management interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, and CLIENT. The main area shows the 'Config' tab under the 'LAN' section. A 'Configuration Backup List' is displayed with a table of backup entries. The table has columns for File Name, File Size, Time, Mode, MD5, Description, and Action. The first entry is selected, and its details are shown in a 'Config Details' pop-up window.

	File Name	File Size	Time	Mode	MD5	Description	Action
<input type="checkbox"/>	1234942570046_1701771241232	11.89K	2023-12-05 19:14:00	Auto	c82a2bffd34d07a6de4baecce975baf	Empty	Details
<input type="checkbox"/>	1234942570046_1701741602035	11.79K	2023-12-05 11:00:00	Auto	60f5c6bc5abe42f3d252d949d4a55ce0	Empty	Details
<input type="checkbox"/>	1234942570046_1701683641629	11.70K	2023-12-04 18:54:00	Auto	c02dea6b6d6ae2a36c44557d1cebeb1c	Empty	Details
<input type="checkbox"/>	1234942570046_1701683402026	11.70K	2023-12-04 18:49:55	Auto	6c835011d5cc5d10f7dec41b193e33d	Empty	Details

Click **Current** to display the current configuration. Click **Backup** in the **Config Details** page to back up the current configuration.

The screenshot shows the 'Config Details' pop-up window. It displays the current configuration in a text area, including version, hostname, and various authentication settings. A 'Backup' button is visible at the bottom right of the pop-up. The background shows the 'Configuration Backup List' table with the first entry selected.

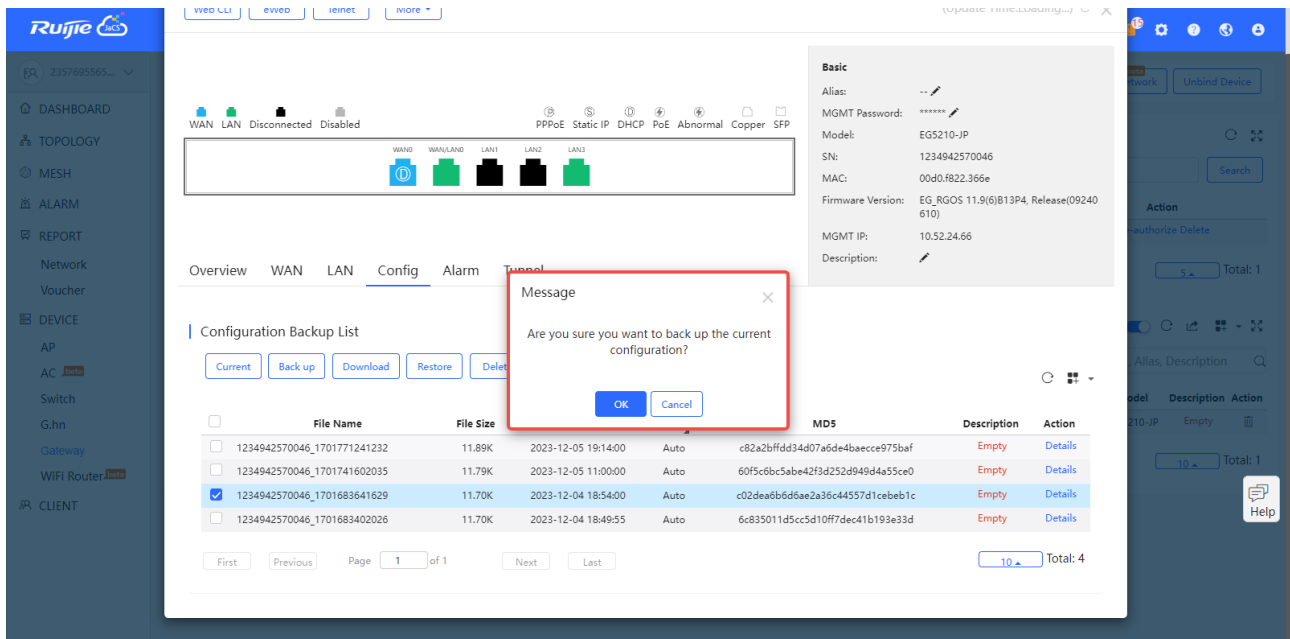
Config Details

Building configuration...
Current configuration: 12216 bytes

```
version EG_RGOS 11.9(6)B13P4, Release(09240610)
hostname EG5210-JP
app-auth tup-app tupApp
app-auth offline-detect
app-auth cfg-opt id-mac
app-auth cfg-opt syn-proxy
app-auth set-mode none
```

[Backup](#)

Click **Backup** and then click **OK** in the message box to back up the current configuration.

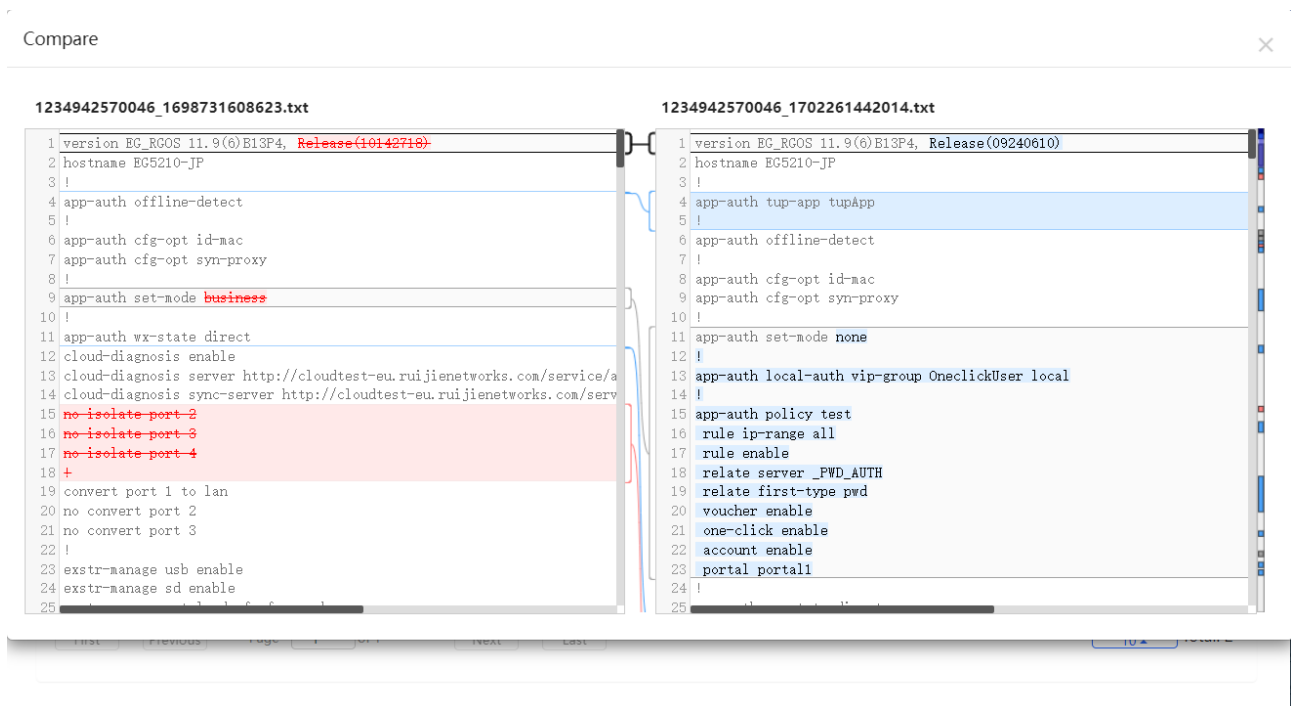


Select one record, and click **Download** to download the configuration file.

Select one record, and click **Restore** to restore the current configuration.

Select one or multiple records, and click **Delete** to delete the backup record.

Select two records, and click **Compare** to compare the differences



Description can be edited. Click **Details** in the **Action** column to check the backup configuration.

Configuration Backup List

Current Back up Download Restore Delete Compare

	File Name	File Size	Time	Mode	MD5		
<input type="checkbox"/>	1234942570046_1701771241232	11.89K	2023-12-05 19:14:00	Auto	c82a2bffd34d07a6de4baecce975baf	Empty	Details
<input type="checkbox"/>	1234942570046_1701741602035	11.79K	2023-12-05 11:00:00	Auto	60f5c6bc5abe42f3d252d949d4a55ce0	Empty	Details
<input checked="" type="checkbox"/>	1234942570046_1701683641629	11.70K	2023-12-04 18:54:00	Auto	c02dea6b6d6ae2a36c44557d1cebeb1c	Empty	Details
<input type="checkbox"/>	1234942570046_1701683402026	11.70K	2023-12-04 18:49:55	Auto	6c835011d5cc5d10ff7dec41b193e33d	Empty	Details

First Previous Page 1 of 1 Next Last Total: 4

● PoE > PoE List (Only available for PoE gateways)

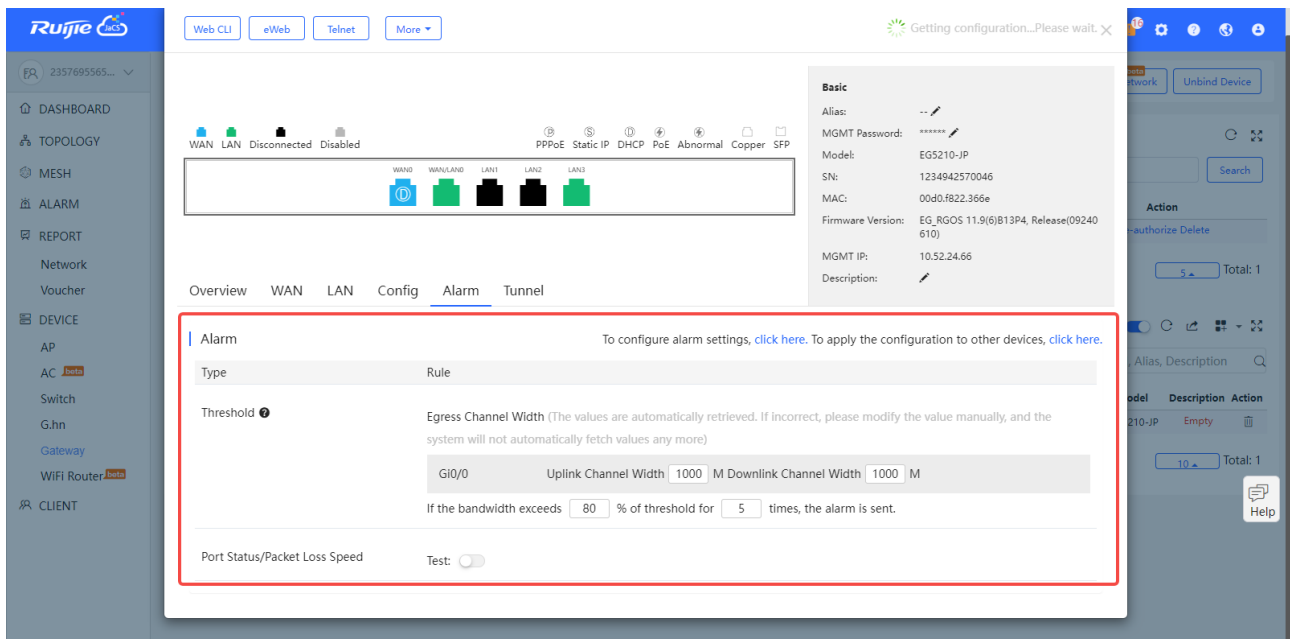
PoE configuration includes the port, physical port, PoE-capable, PoE status, power and PD class.

PoE List

Port	Physical Port	PoE-capable	PoE Status	Power	PD Class
port0	Gi0/0	Disable	Off	0.0W	Unknown
port1	LAN 1	Enable	Off	0.0W	Unknown
port2	LAN 2	Enable	On	4.1W	3
port3	LAN 3	Enable	Off	0.0W	Unknown
port4	LAN 4	Enable	Off	0.0W	Unknown
port5	LAN 5	Enable	Off	0.0W	Unknown
port6	LAN 6	Enable	Off	0.0W	Unknown
port7	LAN 7	Enable	Off	0.0W	Unknown

First Previous Page 1 of 1 Next Last Total: 8

● Alarm

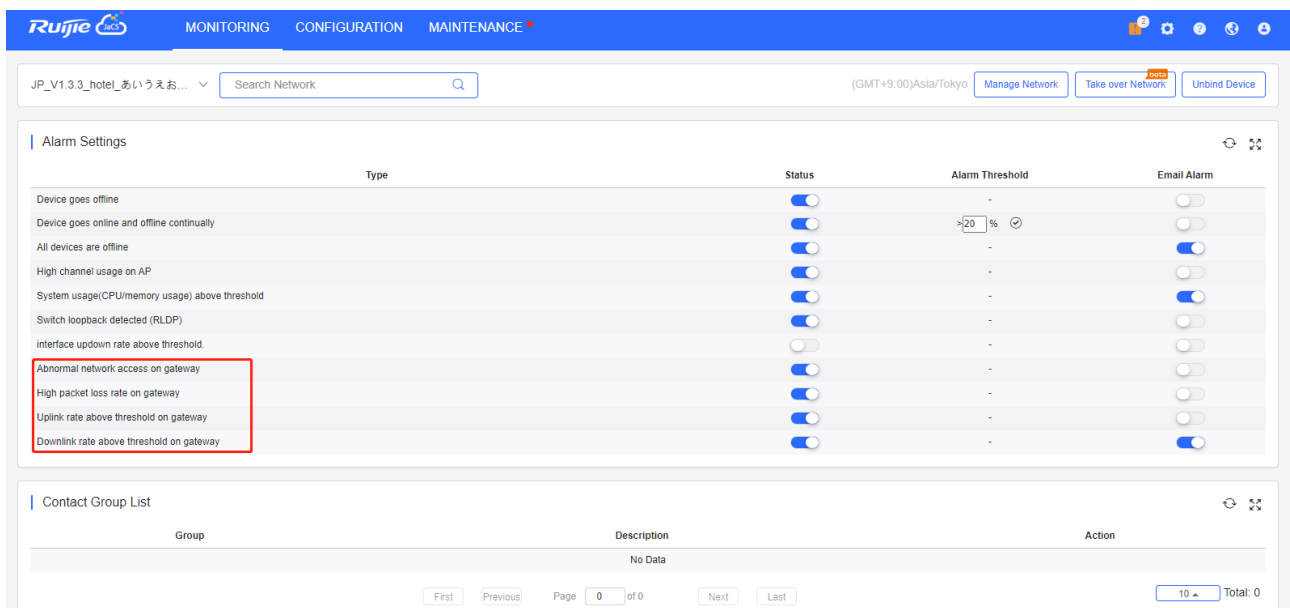


Insufficient bandwidth: When the bandwidth exceeds the specified percentage of threshold for several times, the alarm is sent. The threshold, times and percentage can be configured manually.

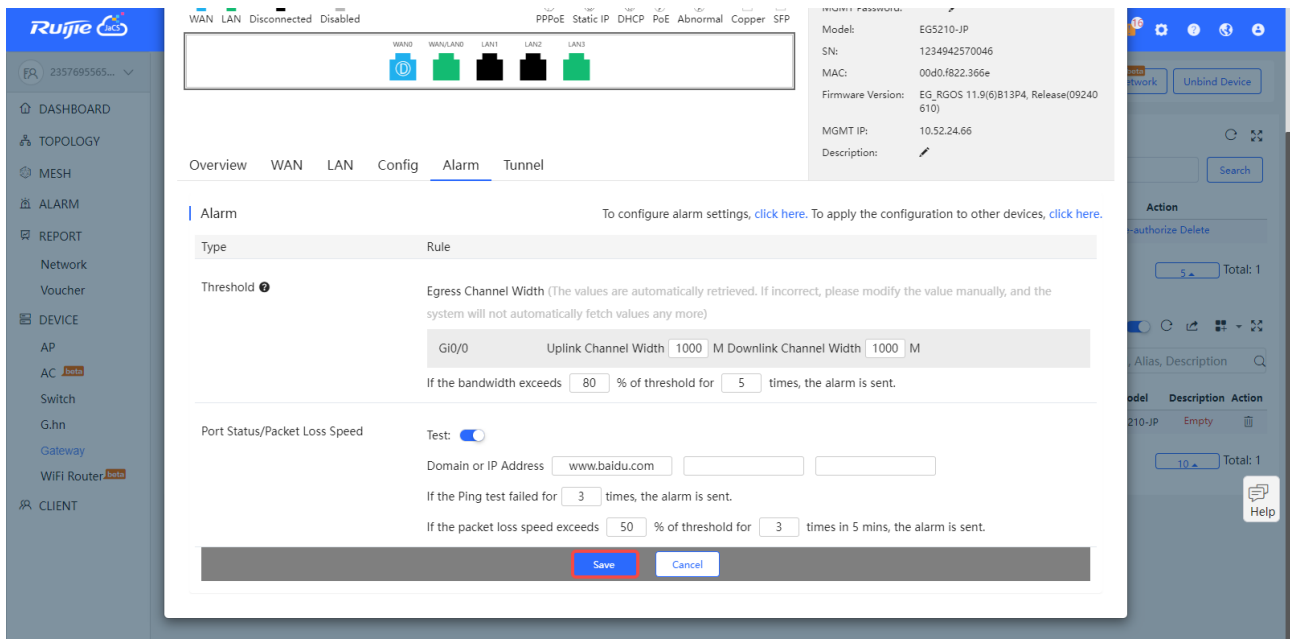
Ping failure: When the Ping test failed for the specified times, the alarm is sent. The times and domain/IP address can be configured manually.

High packet loss rate: When the packet loss rate exceeds the specified percentage of threshold for several times in 5 minutes, the alarm is sent. The times and threshold can be configured manually.

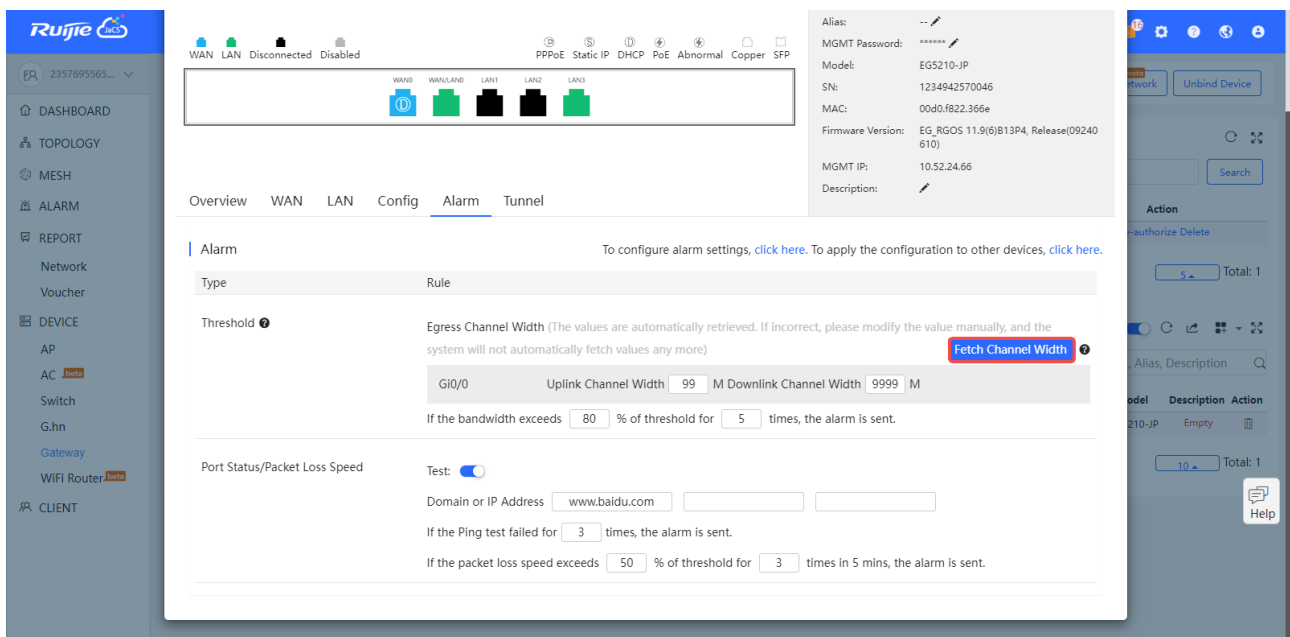
Besides, the corresponding alarm should be enabled in the **Alarm Settings** page. For insufficient bandwidth, the alarm types are **Uplink rate above threshold on gateway** and **Downlink rate above threshold on gateway**; for Ping failure, the alarm type is **Abnormal network access on gateway**; and for high packet loss rate, the alarm type is **High packet loss rate on gateway**.



After changing the configuration, click **Save** below.

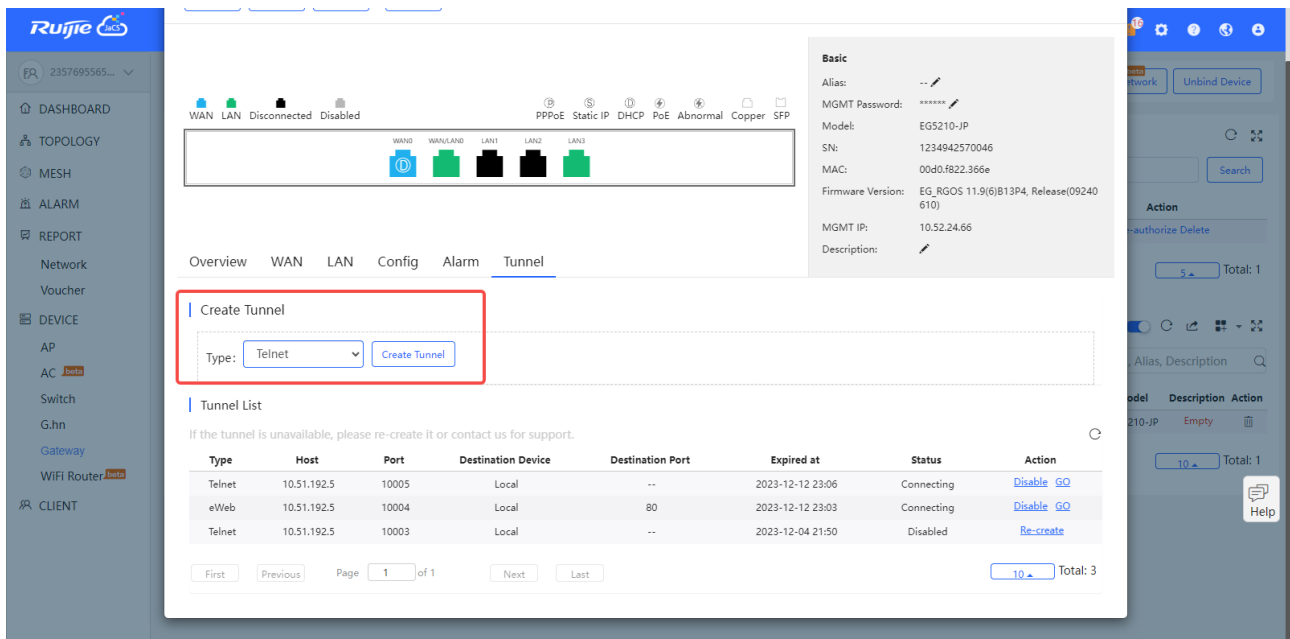


When the modified bandwidth and the actual bandwidth do not match, click **Fetch Bandwidth** to check the actual bandwidth which will then be set as the threshold.



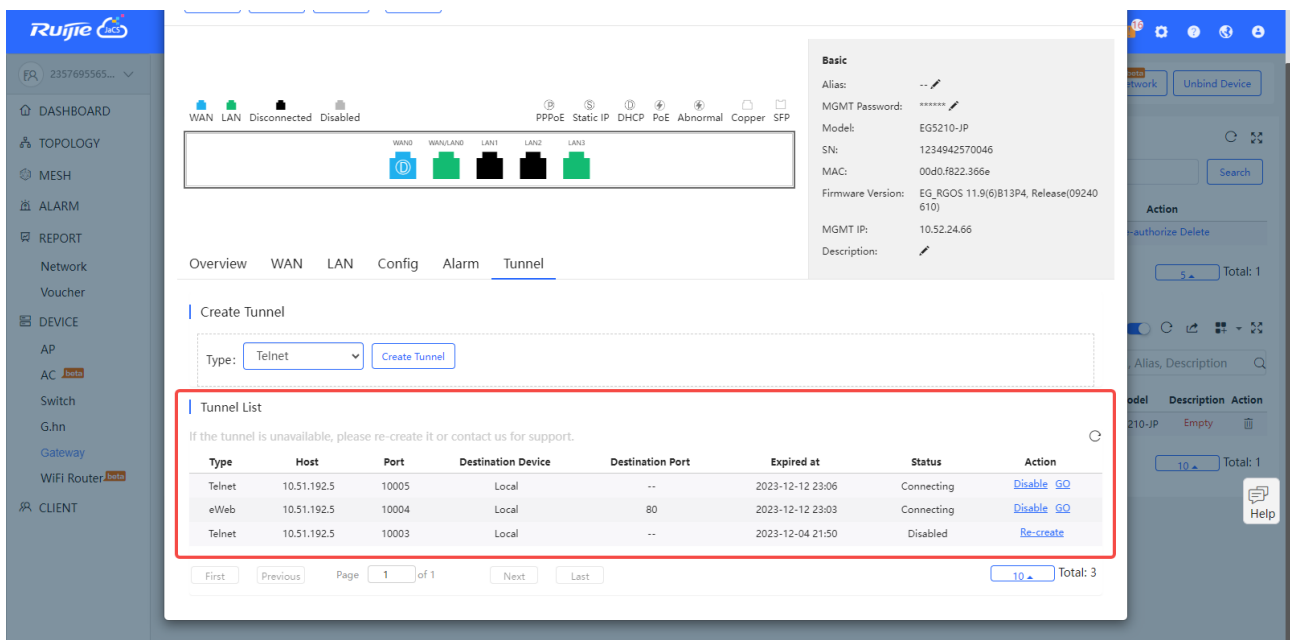
● Tunnel > Create Tunnel

Select the tunnel type and click **Create Tunnel**. The tunnel types include **Telnet**, **eWeb** and **SSH**.



● Tunnel > Tunnel List

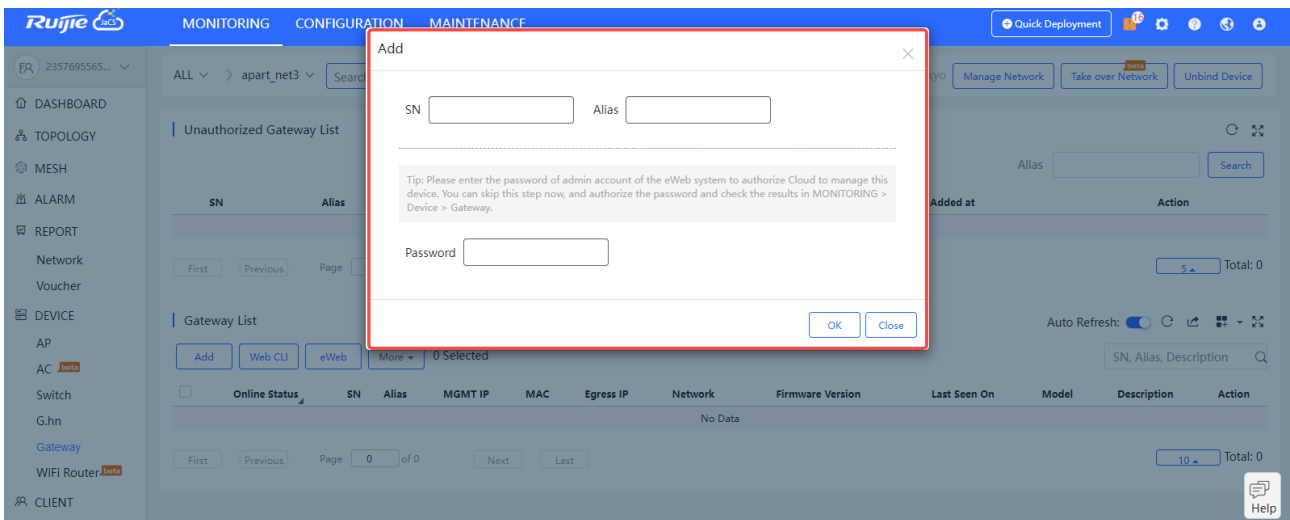
Tunnel information includes tunnel type, host, port, destination device, expiration time and status. Click **Re-create** in the **Action** column to re-create a tunnel.



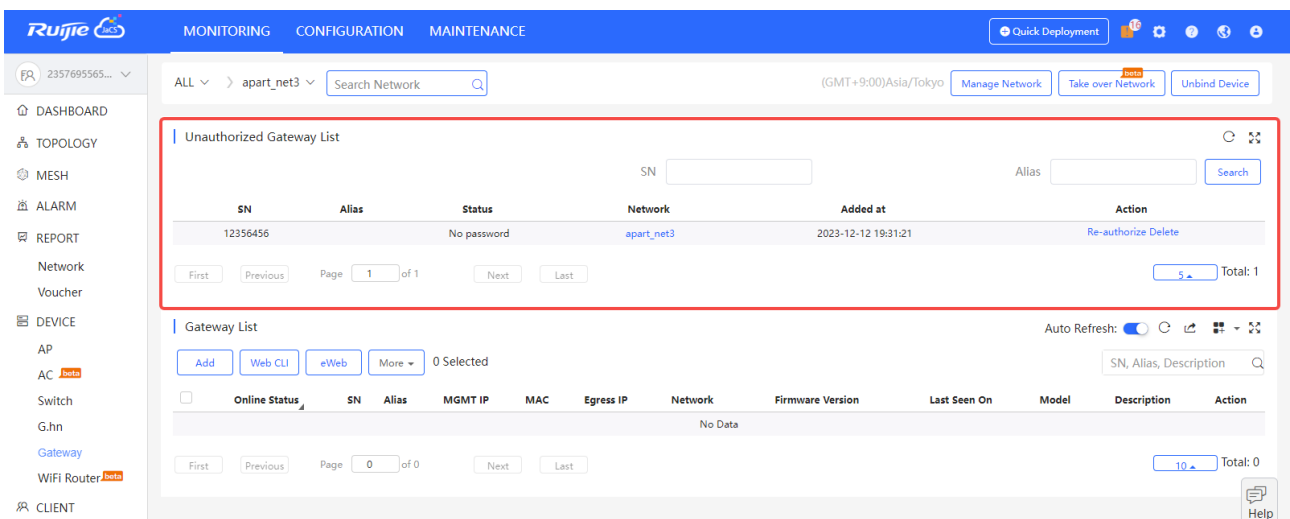
5.6.5.3 Basic Gateway Operations

● Add Gateway

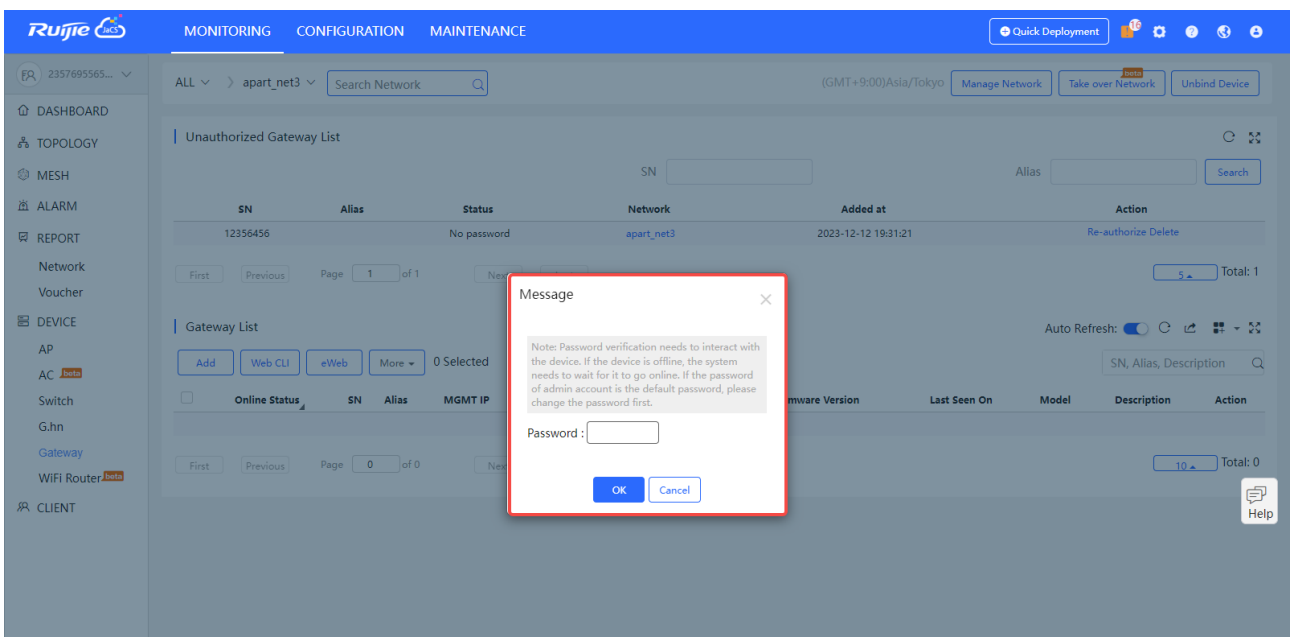
Click **Add**, enter the SN, Alias and eWeb Password, and click **OK** to add a gateway to the network. Only one gateway can be added to a network.



Before a gateway is authorized, it is displayed in the **Unauthorized Gateway List**.

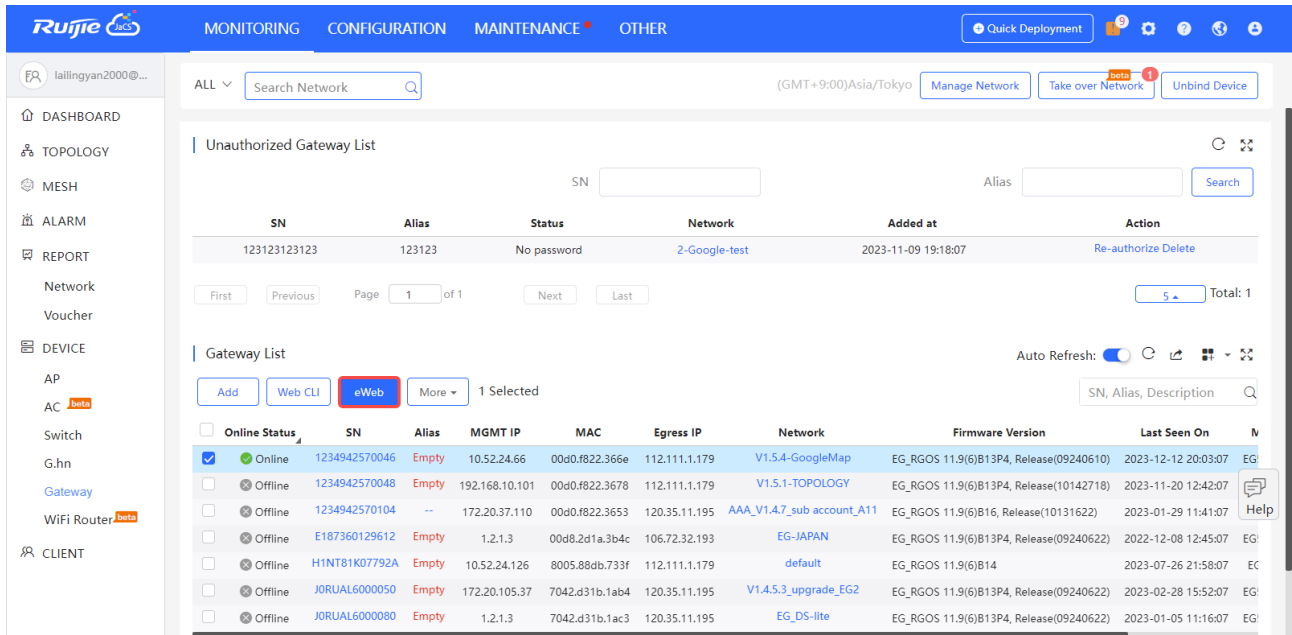


If authorization fails, you can click **Re-authorize** in the **Action** column to re-enter the Web password to re-authorize the device.

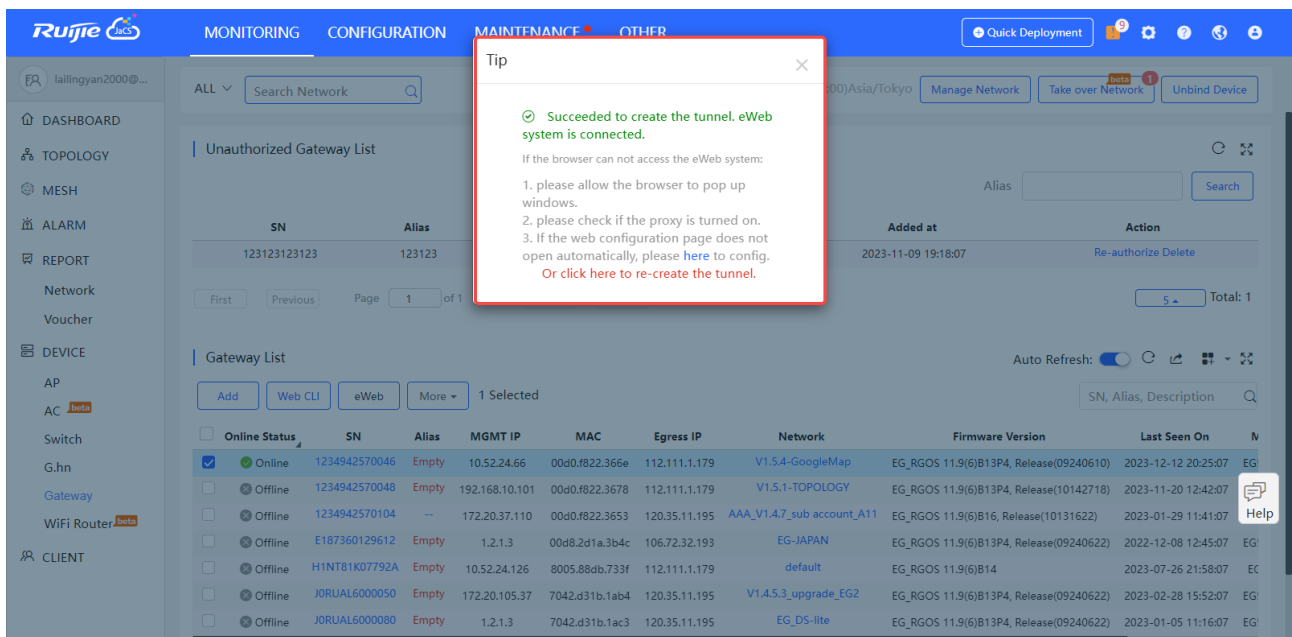


- eWeb

Select the device to be managed by eWeb, and click **eWeb**. The system will try to connect the gateway and automatically open the eWeb page in a new window.



If a tunnel is created successfully but the eWeb page does not automatically open, the system will pop up a message. The user can manually click the link to open the page.



- More > Move to

Select the device in the **Gateway List**, click **More > Move to**, select the new network and click **OK**. Only one gateway can be moved at a time.

The screenshot shows the Ruijie Cloud Monitoring interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', 'MAINTENANCE', and 'OTHER'. The left sidebar lists various network components: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WiFi Router, and CLIENT. The main area displays the 'Unauthorized Gateway List' and 'Gateway List'. The 'Gateway List' table has columns for Online Status, SN, Alias, MGMT IP, MAC, Egress IP, Network, Firmware Version, Last Seen On, and Action. A 'More' dropdown menu is open for the first device, showing options: Reboot, Tunnel, and Delete. The 'Reboot' option is highlighted.

Online Status	SN	Alias	MGMT IP	MAC	Egress IP	Network	Firmware Version	Last Seen On	Action
Online	123123123123	123123	No password			2-Google-test	2023-11-09 19:18:07		Re-authorize Delete
Online	1234942570046	Empty	10.52.24.66	00d0.f822.366e	112.111.1.179	V1.5.4-GoogleMap	EG_RGOS 11.9(6)B13P4, Release(09240610)	2023-12-12 20:25:07	EG5210-JP Empty
Offline	1234942570048	Empty	192.168.10.101	00d0.f822.3678	112.111.1.179	V1.5.1-TOPOLOGY	EG_RGOS 11.9(6)B13P4, Release(10142718)	2023-11-20 12:42:07	EG5210-JP Empty
Offline	1234942570104	---	172.20.37.110	00d0.f822.3653	120.35.11.195	AAA_V1.4.7_sub account_A11	EG_RGOS 11.9(6)B16, Release(10131622)	2023-01-29 11:41:07	EG3230 Empty
Offline	E187360129612	Empty	1.2.1.3	00d8.2d1a.3b4c	106.72.32.193	EG-JAPAN	EG_RGOS 11.9(6)B13P4, Release(09240622)	2022-12-08 12:45:07	EG5210-JP Empty
Offline	H1NT81K07792A	Empty	10.52.24.126	8005.88db.733f	112.111.1.179	default	EG_RGOS 11.9(6)B14	2023-07-26 21:58:07	EG2000F Empty
Offline	JORUAL6000050	Empty	172.20.105.37	7042.d31b.1ab4	120.35.11.195	V1.4.5.3_upgrade_EG2	EG_RGOS 11.9(6)B13P4, Release(09240622)	2023-02-28 15:52:07	EG5210-JP Empty
Offline	JORUAL6000080	Empty	1.2.1.3	7042.d31b.1ac3	120.35.11.195	EG_DS-lite	EG_RGOS 11.9(6)B13P4, Release(09240622)	2023-01-05 11:16:07	EG5210-JP Empty

The screenshot shows the Ruijie Cloud Monitoring interface with a 'Select Network' dialog box open. The dialog lists various networks, including '1-Google-MAP', '2-Google-test', '2222222121', '2c1b', '999999999999', '<script>alert("test")</script>', 'A-router', 'AAA-V1.5.0-CONFIRM', 'AAA_V1.4.7subnet_test', 'AAA_V1.4.7_apart', 'AAA_V1.4.7_apart2', 'AAA_V1.4.7_sub account_A11', 'AAA_V1.4.7_sub account_B1', 'AAA_V1.4.7_ネットワーク測試123', and 'AUTO-UPGRADE-MA'. The 'OK' button is highlighted.

● More > Reboot

Select the device in the **Gateway List**, click **More > Reboot** and click **OK**.

The screenshot shows the Ruijie Monitoring interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', 'MAINTENANCE', and 'OTHER'. The left sidebar lists various monitoring categories: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main content area is divided into two sections: 'Unauthorized Gateway List' and 'Gateway List'.

The 'Unauthorized Gateway List' table has columns: SN, Alias, Status, Network, Added at, and Action. It shows one entry with SN 123123123, Alias 123123, Status No password, Network 2-Google-test, and Added at 2023-11-09 19:18:07. The Action is Re-authorize Delete.

The 'Gateway List' table has columns: Online Status, MGMT IP, MAC, Egress IP, Network, Firmware Version, Last Seen On, Model, Description, and Act. It shows several entries, including one with SN 123123123, Alias 123123, Status Online, Network V1.5.4-GoogleMap, and Firmware Version EG_RGOS 11.9(6)B13P4, Release(09240610). The 'More' dropdown menu is open for the first entry, showing options: Reboot, Tunnel, and Delete. The 'Tunnel' option is highlighted.

More > Tunnel

The user can create a Web-based tunnel to enter the eWeb system of a gateway for more monitoring and management functions.

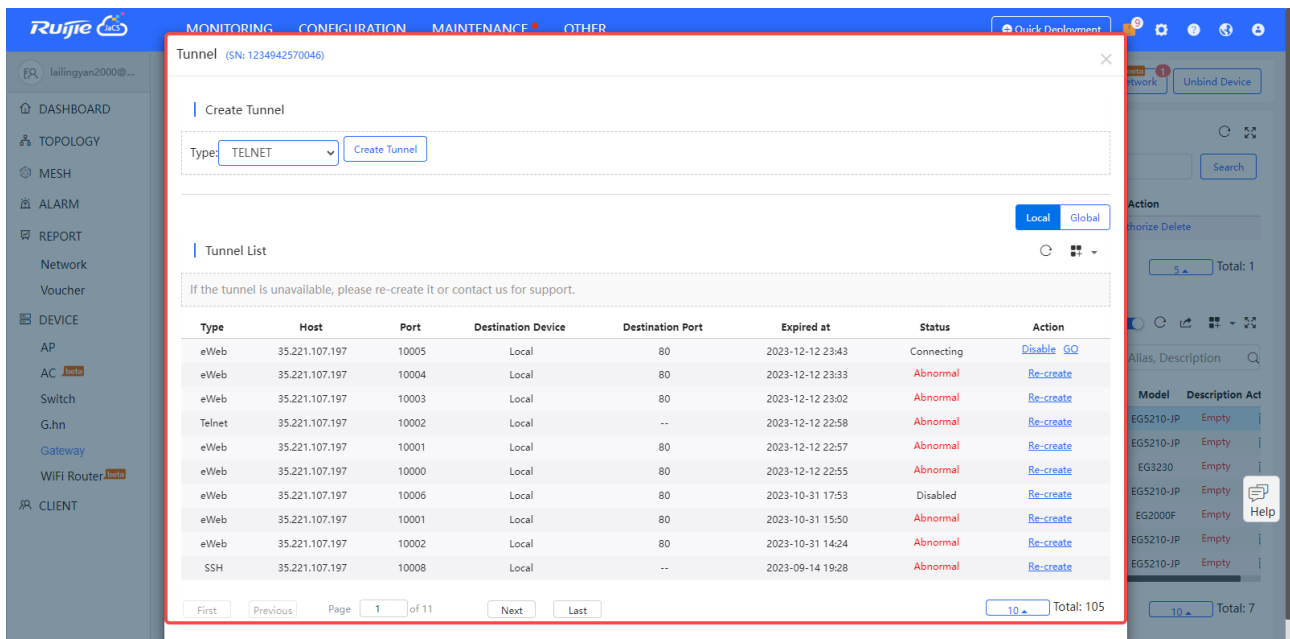
i If any security system exists in the network, such as a firewall, the traffic of destination TCP port 10000-12000 should be permitted.

Select the device for tunnel management, and click **More > Tunnel**. On the **Tunnel Management** page, **WEB**, **Telnet** and **SSH** types (the tunnel types vary with products) can be selected or you can customize the tunnel configuration. The **Tunnel List** displays the tunnels already created.

The screenshot shows the Ruijie Monitoring interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', 'MAINTENANCE', and 'OTHER'. The left sidebar lists various monitoring categories: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, WIFI Router, and CLIENT. The main content area is divided into two sections: 'Unauthorized Gateway List' and 'Gateway List'.

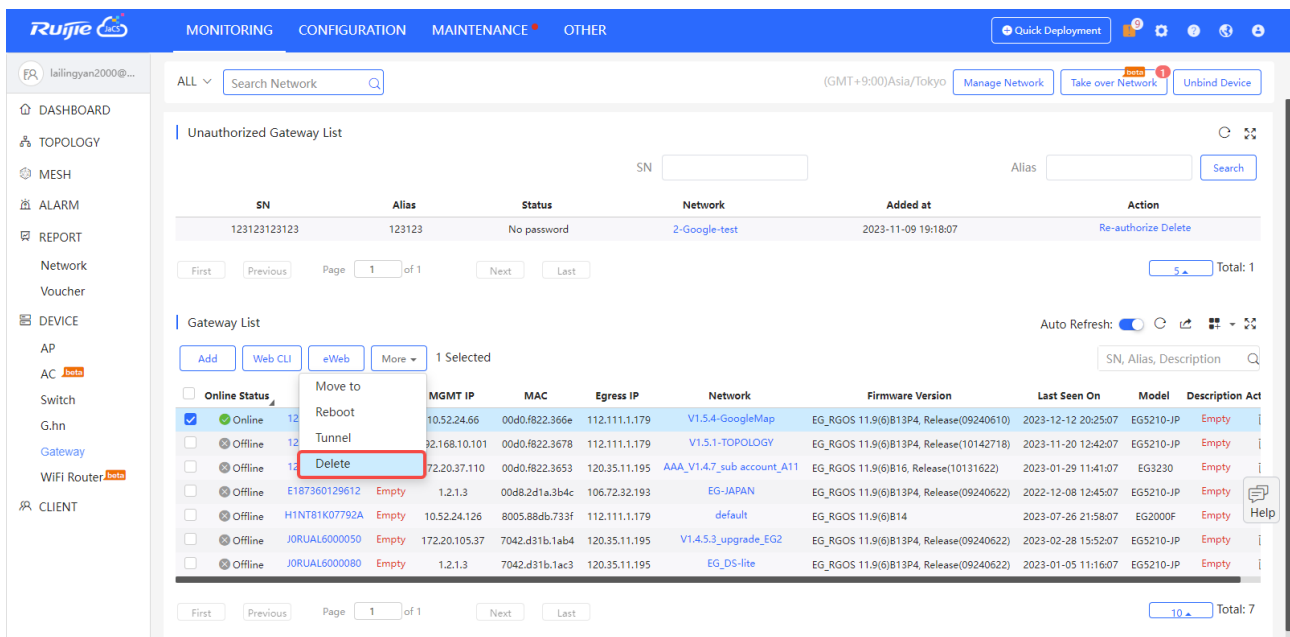
The 'Unauthorized Gateway List' table has columns: SN, Alias, Status, Network, Added at, and Action. It shows one entry with SN 123123123, Alias 123123, Status No password, Network 2-Google-test, and Added at 2023-11-09 19:18:07. The Action is Re-authorize Delete.

The 'Gateway List' table has columns: Online Status, MGMT IP, MAC, Egress IP, Network, Firmware Version, Last Seen On, Model, Description, and Act. It shows several entries, including one with SN 123123123, Alias 123123, Status Online, Network V1.5.4-GoogleMap, and Firmware Version EG_RGOS 11.9(6)B13P4, Release(09240610). The 'More' dropdown menu is open for the first entry, showing options: Reboot, Tunnel, and Delete. The 'Tunnel' option is highlighted.



● More > Delete


Select the device in the **Gateway List**, click **More > Delete** and click **OK**.



5.6.6 WiFi Router (beta)

5.6.6.1 WiFi Router List

The **WiFi Router List** displays basic device information, including the online/offline status, SN, sync status, alias, MAC, management IP & public IP, clients, network, firmware version, offline time, model and description.

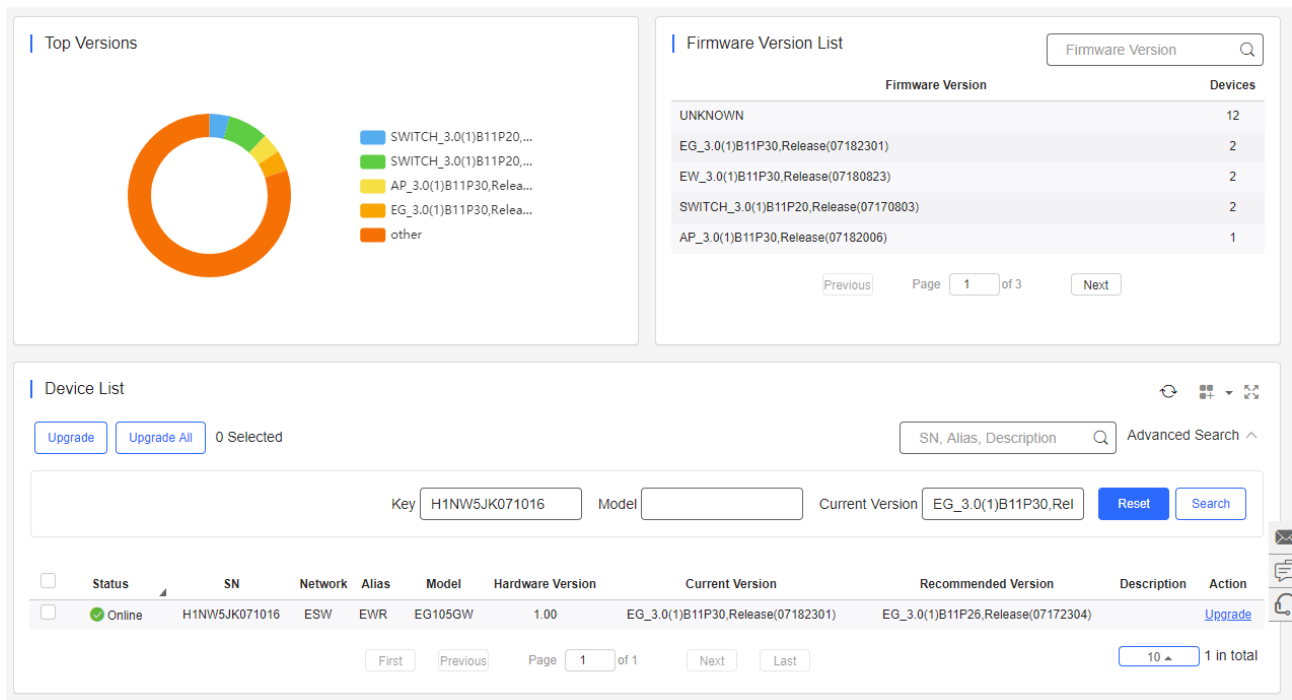
The **WiFi Router List** automatically refreshes every minute. Click **Auto Refresh:**  to enable/disable the auto refresh function.

Above the list are **Add**, **Web CLI** and **Upgrade** functions. Click **More** to display the **Move to**, **Delete**, **Export**, and **Reboot** functions. For more information, refer to **Basic Router Operations**.

The **Search** function supports fuzzy queries based on the serial number, alias and description, and also supports queries based on sync status and online/offline status.

Click the record in the **Sync Status** column to open the **Config Status** page. On this page, you can deliver one or all configurations.

The number of devices which have available firmware for upgrade is displayed on the upper-left corner of the **WiFi Router List** page. Click **New Firmware** to display the **New Firmware List**. Then click **Go To Upgrade** to enter the **MAINTENANCE > UPGRADE > Upgrade** page.



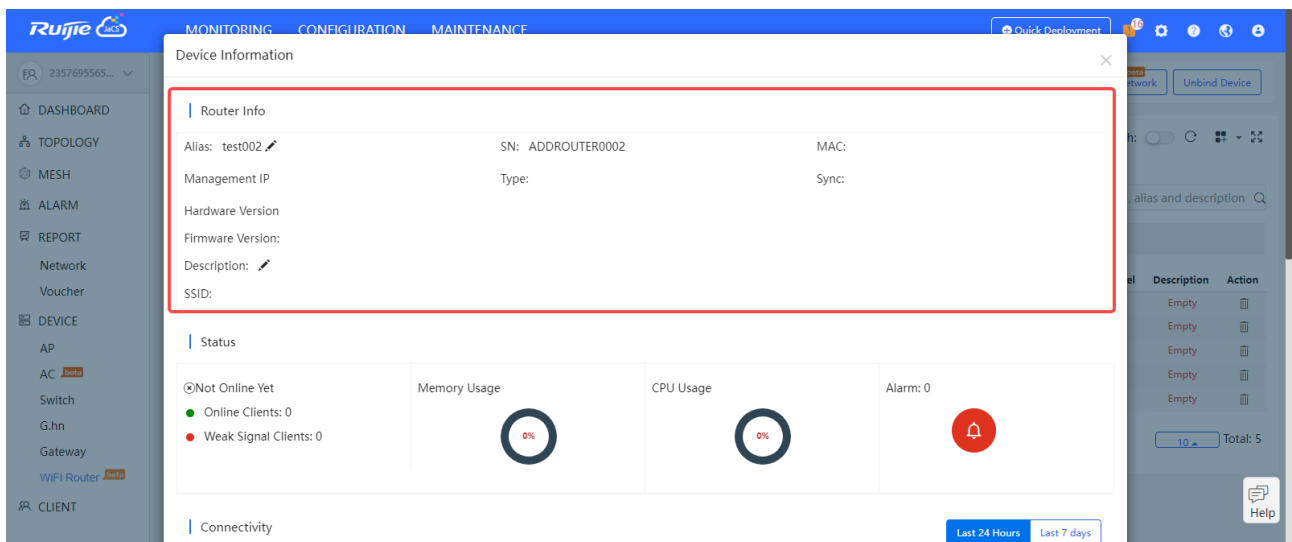
For more information, refer to **Device Details**.

5.6.6.2 Device Details

Click the serial number in the device list to open the details page for a single device. The page displays detailed device information, including basic information, performance data, speed data, client data, online/offline status, and device logs.

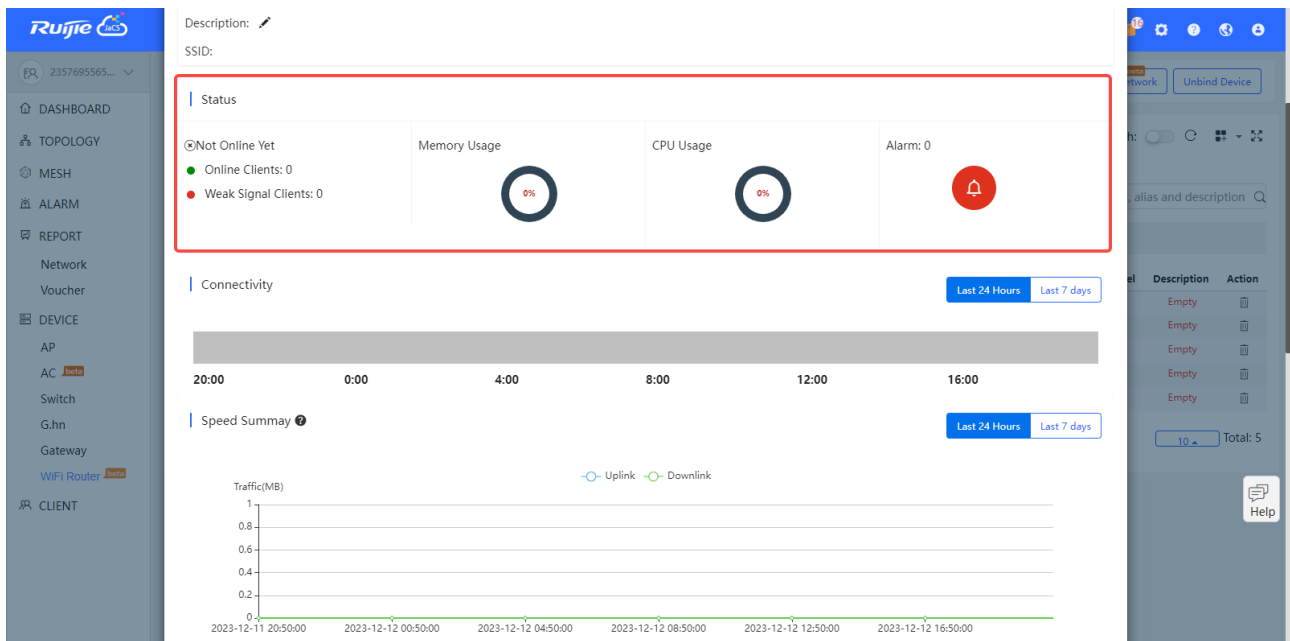
Router Info

The basic information includes serial number, MAC address, management IP address, SSID, sync status, firmware version, hardware version, alias, and description.



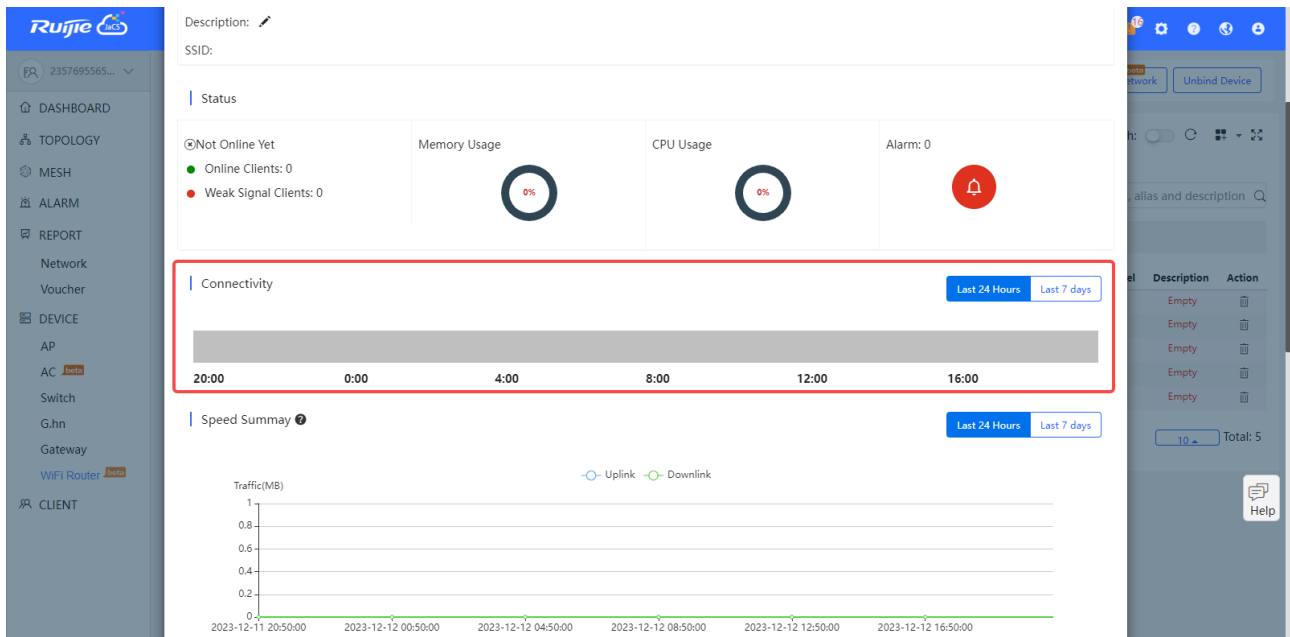
Status

The performance data includes the router connection status, online client count, CPU usage, memory usage and alarm count.



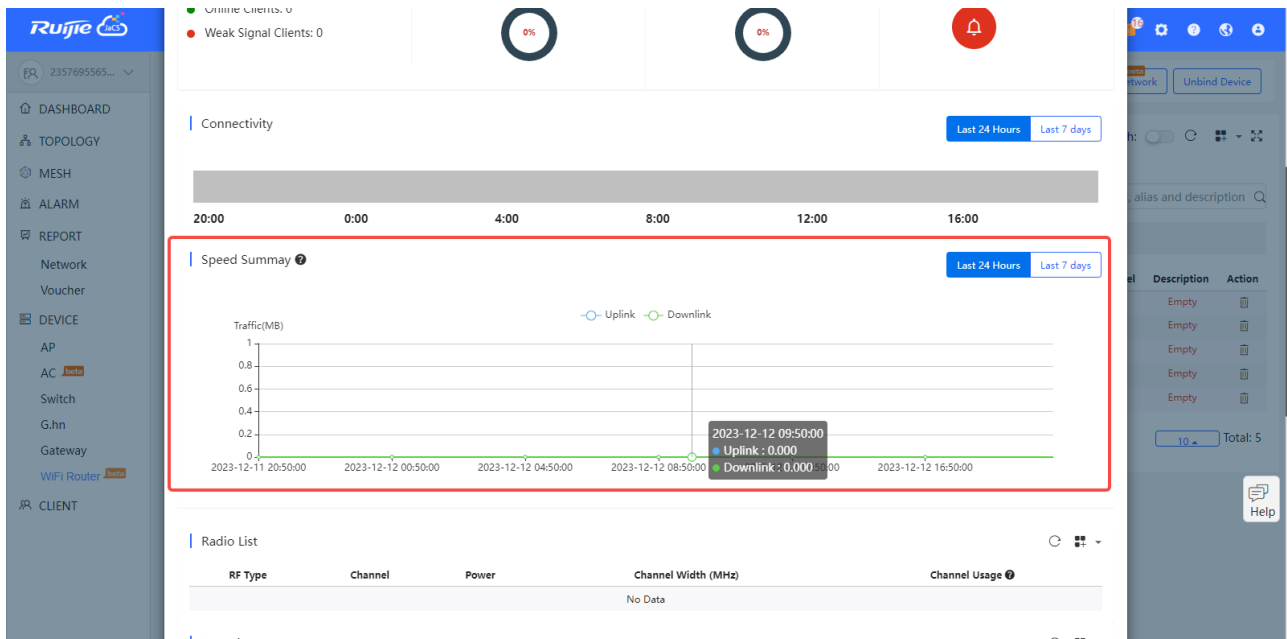
● Connectivity

Router connectivity refers to the connectivity (online status) between router and Cloud Service within a period (1 day or 7 days).



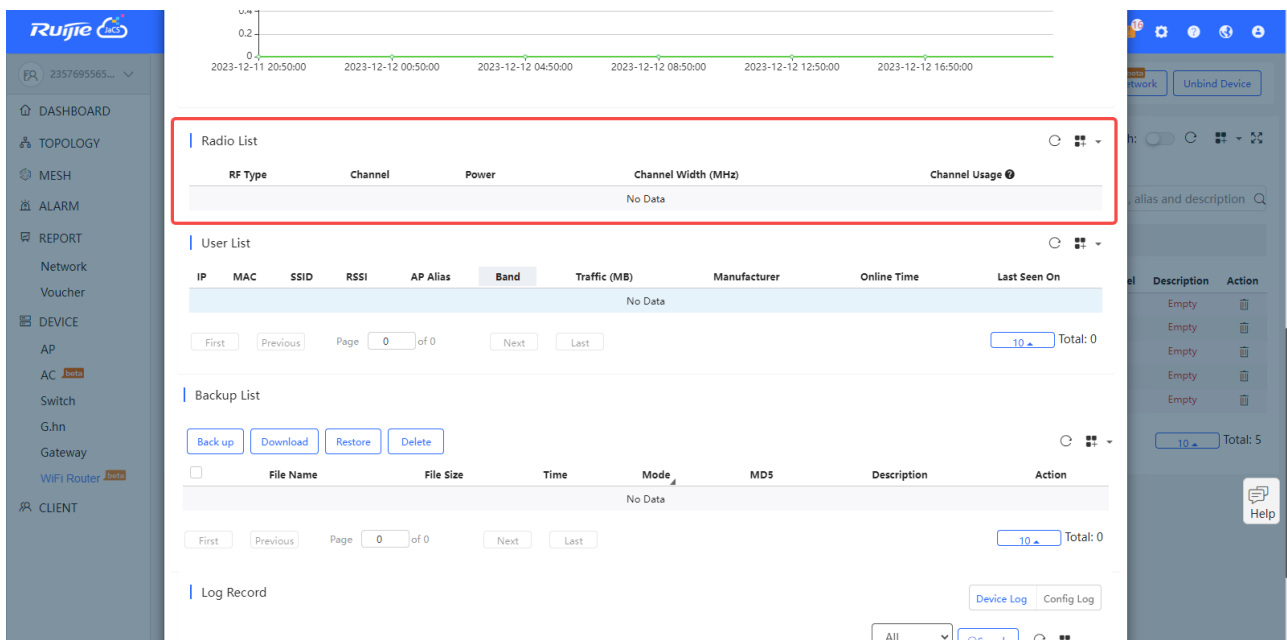
● Speed Summary

You can choose to view the router speed statistics in the last 24 hours or the last 1 week.



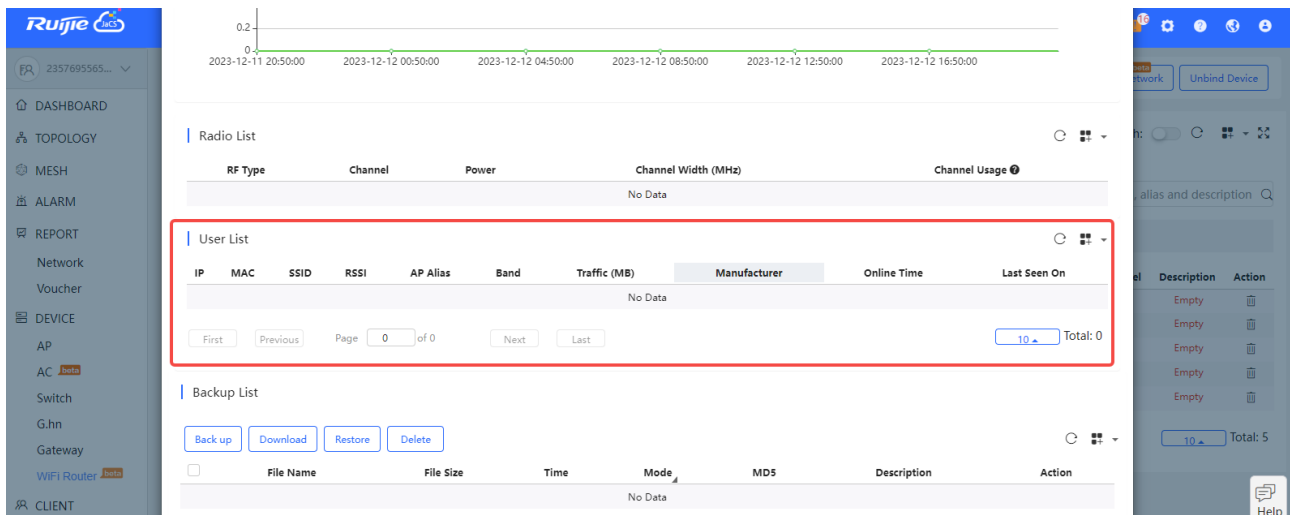
Radio List

The **Radio List** page displays the RF information, including the RF type, current channel, power (percentage), channel bandwidth, and channel usage.



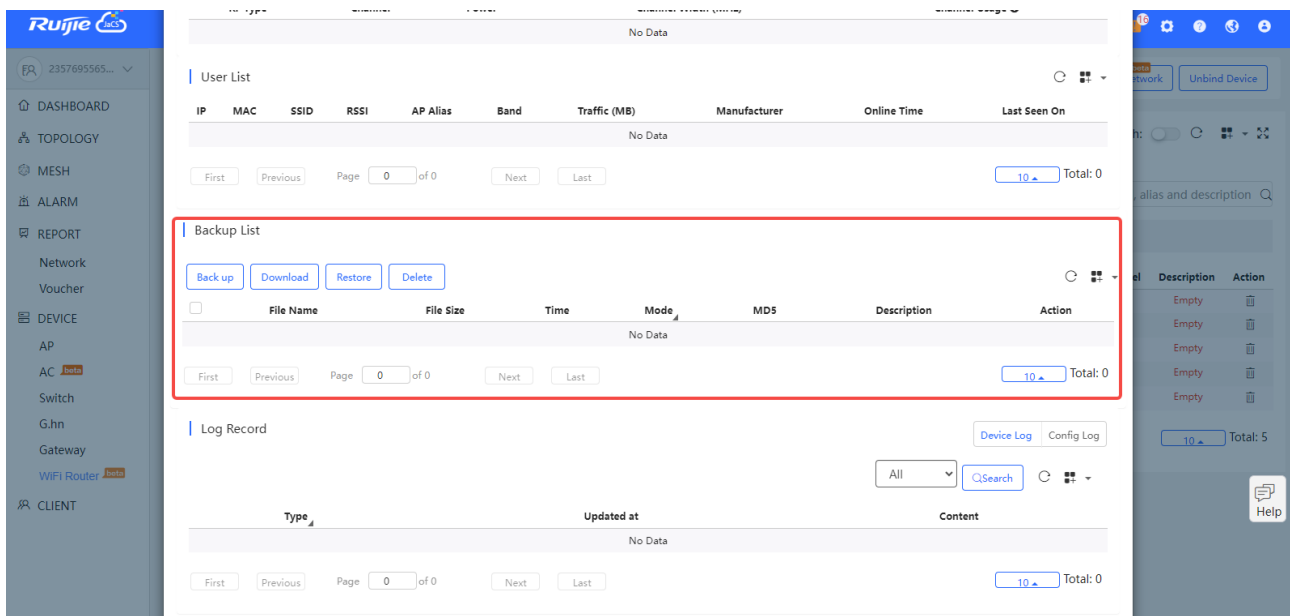
User List

The **User list** displays information about clients currently associated with the routers, including the IP address, MAC address, SSID, RSSI, traffic, online/offline status, terminal type and so on.



Backup List

The backup records include configuration file name, size, time, mode, MD5 and description.



Device Log

The Device Log records the device type, update time and content.

The screenshot displays the Ruijie Cloud management interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, and CLIENT. The main content area is divided into three sections: User List, Backup List, and Log Record. The Log Record section is highlighted with a red box. It includes a search bar with a dropdown menu set to 'All', a 'QSearch' button, and a 'Device Log' button. The table below has columns for Type, Updated at, and Content. The table is currently empty, showing 'No Data'.

● Config Log

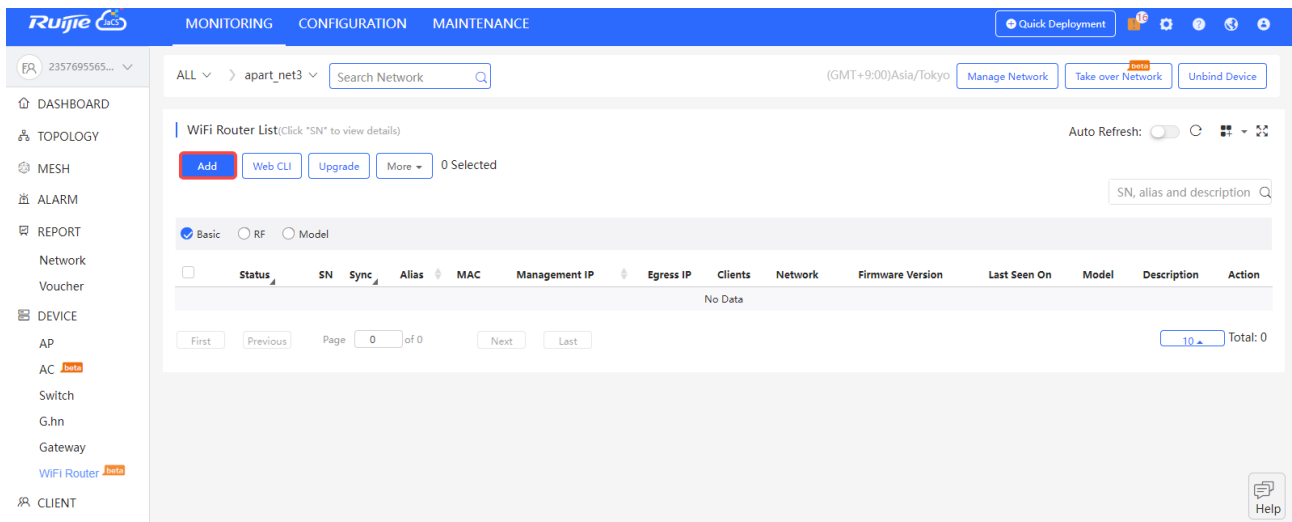
The Config Log records the historical operations, including online/offline, restart and upgrade records, and supports queries based on the status and period.

The screenshot displays the Ruijie Cloud management interface, similar to the previous one. The Log Record section is highlighted with a red box. It includes a search bar with a dropdown menu set to 'All', a 'QSearch' button, and a 'Config Log' button. The table below has columns for Operation Type, Started at, Ended at, Status, Description, and Details. The table is currently empty, showing 'No Data'.

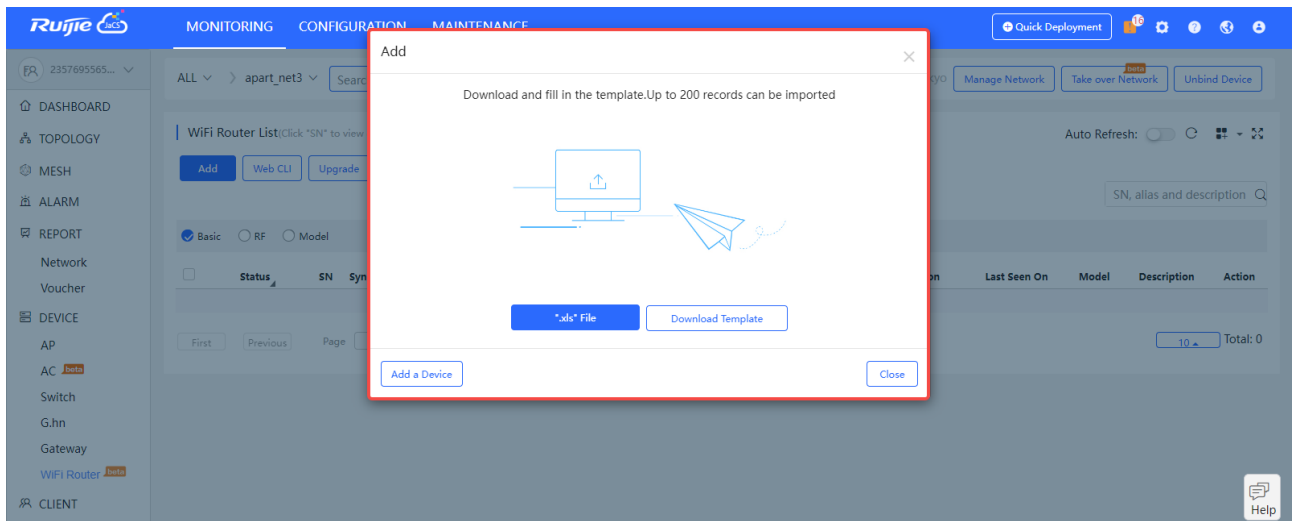
5.6.6.3 Basic Router Operations

● Add Router

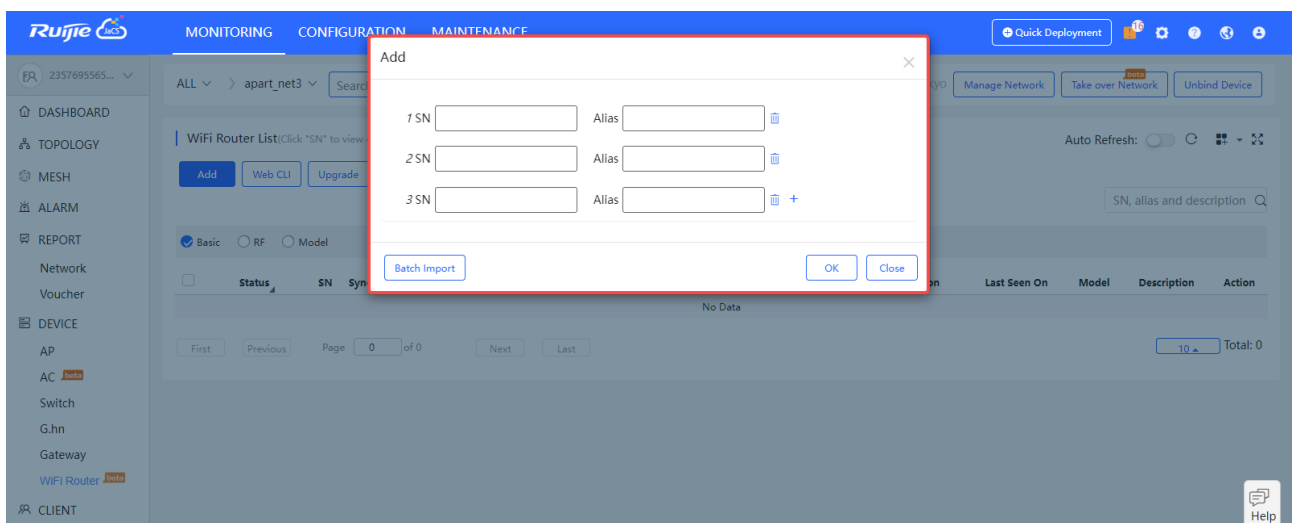
Step 1: Select the network, and click **Add**. Both batch import and manual add are supported.



Step 2: Click **download template** to download the template, enter router information, and click **'xls' File** to import the template.



Or you can click **Add a Device**, enter SN and alias of the AP, and click **OK**. Click **+** to add multiple APs.



● More > Move to

Select one or multiple devices in the **WiFi Router List**, click **More > Move to**, select the new network and click **OK**.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation links: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, and CLIENT. The main area displays the 'WiFi Router List' with a table of devices. The 'More' dropdown menu is open, showing options: Move to, Delete, Export, and Reboot. The 'Move to' option is highlighted with a red box.

Status	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	Wait	test002					V1.5.4-SW		-		Empty	
Never Online	Wait	test003					V1.5.4-SW		-		Empty	
Never Online	Wait	test004					V1.5.4-SW		-		Empty	
Never Online	Wait	test005					V1.5.4-SW		-		Empty	
Never Online	Wait	Empty					V1.5.4-SW		-		Empty	

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation links: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, and CLIENT. The main area displays the 'WiFi Router List' with a table of devices. The 'More' dropdown menu is open, showing options: Move to, Delete, Export, and Reboot. The 'Delete' option is highlighted with a red box.

Status	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	Wait	test002					V1.5.4-SW		-		Empty	
Never Online	Wait	test003					V1.5.4-SW		-		Empty	
Never Online	Wait	test004					V1.5.4-SW		-		Empty	
Never Online	Wait	test005					V1.5.4-SW		-		Empty	
Never Online	Wait	Empty					V1.5.4-SW		-		Empty	

More > Delete

Select one or multiple devices in the **WiFi Router List**, click **More > Delete** and click **OK**.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation links: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, Network, Voucher, DEVICE, AP, AC, Switch, G.hn, Gateway, and CLIENT. The main area displays the 'WiFi Router List' with a table of devices. The 'More' dropdown menu is open, showing options: Move to, Delete, Export, and Reboot. The 'Delete' option is highlighted with a red box.

Status	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	Wait	test002					V1.5.4-SW		-		Empty	
Never Online	Wait	test003					V1.5.4-SW		-		Empty	
Never Online	Wait	test004					V1.5.4-SW		-		Empty	
Never Online	Wait	test005					V1.5.4-SW		-		Empty	
Never Online	Wait	Empty					V1.5.4-SW		-		Empty	

More > Export

Select one or multiple devices in the **WiFi Router List**, and click **Export**.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, and CLIENT. The main area displays the 'WiFi Router List' with a search bar and filters. A table lists routers with columns: Status, SN, Sync, Alias, MAC, Management IP, Egress IP, Clients, Network, Firmware Version, Last Seen On, Model, Description, and Action. The first router is selected, and the 'More' dropdown menu is open, showing options: Move to, Delete, Export, and Reboot. The 'Reboot' option is highlighted.

Status	SN	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	1234RFV56789UJ	Wait	Empty					JAPAN_OTHER_qazqazqazqazqaz_1231231231...				Empty	
Never Online	GCL119	Wait	911					yao				Empty	

● More > Reboot

Select one or multiple devices in the **WiFi Router List**, and click **Reboot**.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, and CLIENT. The main area displays the 'WiFi Router List' with a search bar and filters. A table lists routers with columns: Status, SN, Sync, Alias, MAC, Management IP, Egress IP, Clients, Network, Firmware Version, Last Seen On, Model, Description, and Action. The first router is selected, and the 'More' dropdown menu is open, showing options: Move to, Delete, Export, and Reboot. The 'Reboot' option is highlighted.

Status	SN	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	ADDR0UTER0002	Wait	test002					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0003	Wait	test003					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0004	Wait	test004					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0005	Wait	test005					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0001	Wait	Empty					V1.5.4-SW				Empty	

● Web CLI

Select one or multiple devices in the **WiFi Router List**, and click **Web CLI**. The **Web CLI** dialog box is displayed, and device information can be queried via the menus in this dialog box. The menus vary with the products.

The screenshot shows the Ruijie Cloud Monitoring interface. The left sidebar contains navigation options: DASHBOARD, TOPOLOGY, MESH, ALARM, REPORT, DEVICE, and CLIENT. The main area displays the 'WiFi Router List' with a search bar and filters. A table lists routers with columns: Status, SN, Sync, Alias, MAC, Management IP, Egress IP, Clients, Network, Firmware Version, Last Seen On, Model, Description, and Action. The first router is selected, and the 'Web CLI' button is highlighted.

Status	SN	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Seen On	Model	Description	Action
Never Online	ADDR0UTER0002	Wait	test002					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0003	Wait	test003					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0004	Wait	test004					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0005	Wait	test005					V1.5.4-SW				Empty	
Never Online	ADDR0UTER0001	Wait	Empty					V1.5.4-SW				Empty	

5.7 Client

Select **MONITORING > CLIENT** to open the **Client** page.

5.7.1 Client List

This page displays the information about online clients and historical clients of the current network.

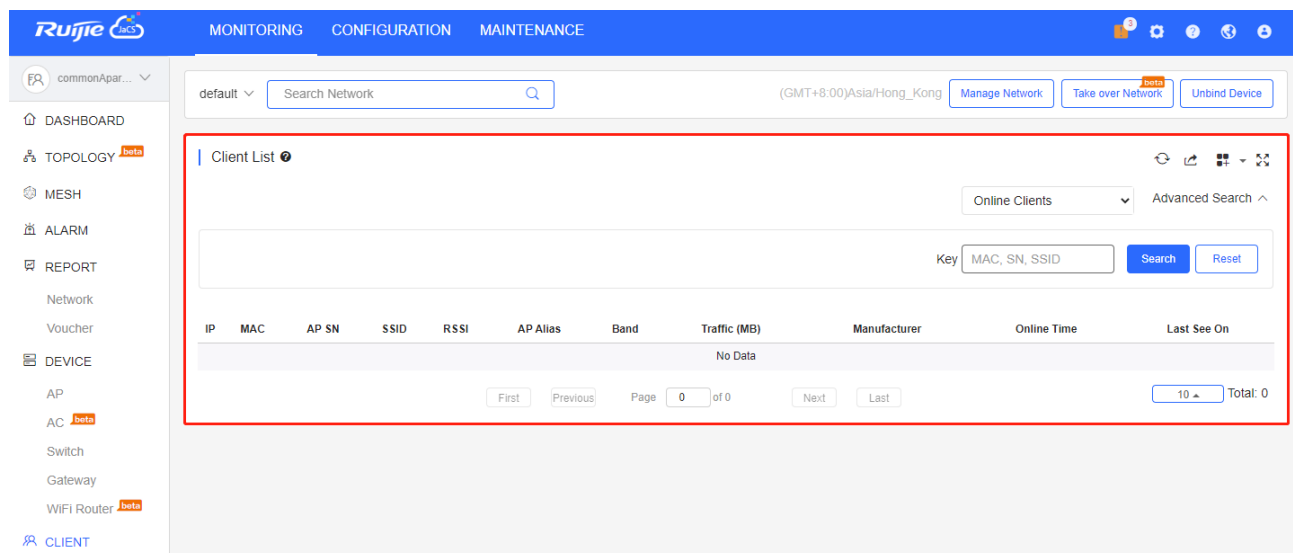
Click the drop-down list next to **Advanced Search** to switch between **Online Clients** and **History Clients**.

The client information includes basic information, band, and online time.

Search for user data by online status, MAC, SN or SSID.

5.7.2 Client Details

Click the device **MAC**, and the **Client Details** page is displayed.



● Client Info

Client Info includes alias, status, MAC address, online/offline time, uptime, IP address, terminal, operation system, manufacture, AP serial number, AP alias and SSID.

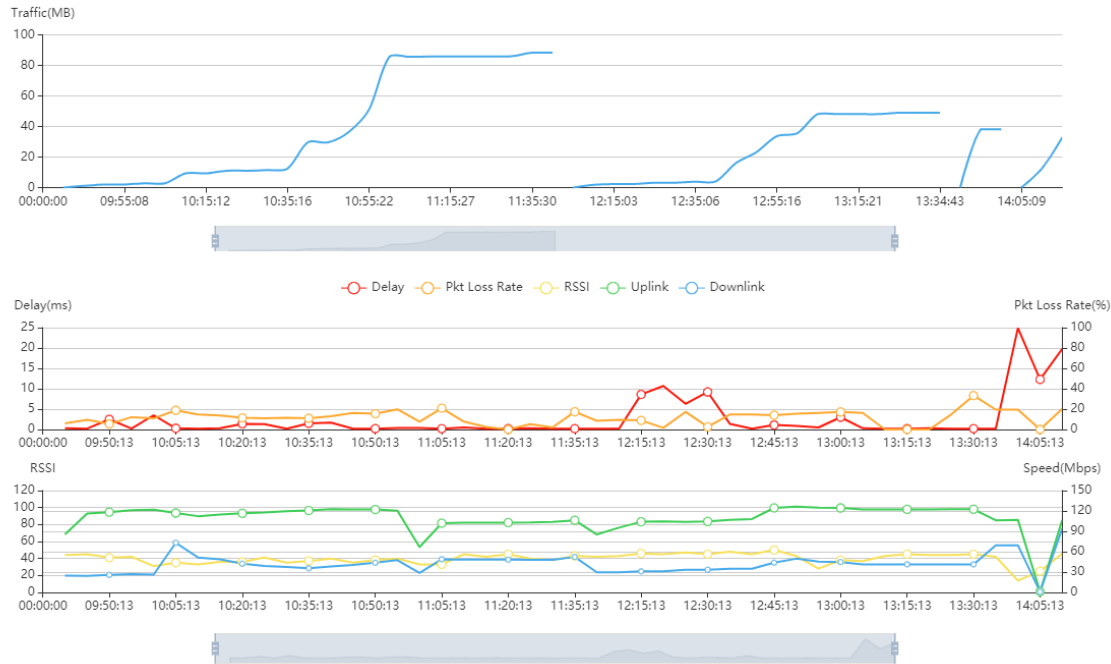
| Client Info

Alias :	Status : Online	MAC : 3045.9609.0557
Online Time : 2019-04-16 14:05:09	Offline Time : -	Uptime : 0h 8m 26s
IP : 172.17.125.140	Terminal : Phone	OS : Android
Manufacturer : HUAWEI TECHNOLOGIES CO.,LTD	AP SN : G1KD9HH02861B	AP Alias : 520w2
SSID : Nature_cloud_as		

● Performance

Performance displays the traffic summary etc.

Performance



Online/Offline Record

Online/Offline Record

AP SN	AP Alias	IP	SSID	RSSI	Band	Traffic(MB)	Online Time	Offline Time	Updated at
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-53	2.4G	32.762	2019-04-16 14:05:09	-	2019-04-16 14:13:46
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	38.179	2019-04-16 13:46:16	2019-04-16 13:57:23	2019-04-16 13:57:43
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	49.051	2019-04-16 12:04:10	2019-04-16 13:34:43	2019-04-16 13:35:23
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	88.296	2019-04-16 09:36:35	2019-04-16 11:36:13	2019-04-16 11:36:31
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	4.442	2019-04-15 15:24:59	2019-04-15 15:58:43	2019-04-15 15:59:26
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	1.520	2019-04-15 12:39:38	2019-04-15 12:47:05	2019-04-15 12:47:59
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	66.523	2019-04-15 10:15:38	2019-04-15 11:56:59	2019-04-15 11:57:46
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	12.954	2019-04-12 17:46:01	2019-04-12 18:28:59	2019-04-12 18:29:52
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	326.045	2019-04-12 14:01:03	2019-04-12 17:26:35	2019-04-12 17:26:40
G1KD9HH02861B	520w2	172.17.125.140	Nature_cloud_as	-	2.4G	2.815	2019-04-12 13:40:13	2019-04-12 13:51:20	2019-04-12 13:51:52

Online/Offline Record displays AP SN, AP alias, IP, SSID etc.

Roaming Record

Roaming Record

Roam-in AP SN	Roam-in AP MAC	Roam-in AP Group	Roam-in AP Location	Source AP SN	Source AP MAC	Source AP Group	Source AP Location	Roam
G1KD84Y017646	5869.6c7a.5dd0	San_Jose	Outdoor RG-AP630(CD)	G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD
G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD14G00221B	5869.6c5b.5071	San_Jose	Indoor AP520(BT)	G1KD
G1KD14G00221B	5869.6c5b.5071	San_Jose	Indoor AP520(BT)	G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KD
G1KD90N003414	5869.6caa.72e2	San_Jose	AP630(IODA)	G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD
G1KD90N003414	5869.6caa.72e2	San_Jose	AP630(IODA)	G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD
G1KDA0T003926	5869.6cb9.7926	San_Jose	Indoor AP740-I	G1KD84Y017646	5869.6c7a.5dd0	San_Jose	Outdoor RG-AP630(CD)	G1KD
G1KD83S04970C	5869.6c79.44f7	San_Jose	Indoor AP520-I	G1KDAHJ052008	5869.6cc1.96d0	San_Jose	indoor AP130(W2)	G1KD

Roaming Record displays roam-in AP, source AP, SSID etc.

6 Configuration

The Configuration module includes two parts: **NETWORKS** and **WIRELESS** and **AUTHENTICATION**.

6.1 Networks

6.1.1 Basic

Select **CONFIGURATION** > **NETWORKS** to open the **NETWORKS** page. Then, all detailed information about the sub networks is displayed on the **Subnetwork List**, including the network name, its upper network, the number of connected devices and created time.

Additionally, five operation icons are provided in the **Action** column of a network for adding a sub network, sharing the network, handing over the network, deleting the network and configuring the network. You can click these icons to perform operations on the network.

The screenshot displays the Ruijie Cloud Configuration interface. The left sidebar shows the navigation menu with 'NETWORKS' selected. The main content area is titled 'Network Info(24440)' and shows a 'Subnetwork List' table. The table has columns for Network, Upper Network, Devices, Created Time, and Action. The 'Action' column contains five icons for each row: a plus sign (Add Sub Network), a share icon, a handover icon, a delete icon, and a gear icon (Configure).

Network	Upper Network	Devices	Created Time	Action
~!@#%^&*()_~+[]...	ALL	1	2023-11-22 20:47:37	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
<>	ALL	0	2023-11-22 20:40:15	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
Test123	ALL	0	2023-06-30 14:20:29	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
huge1_test_test	ALL	0	2023-06-29 18:39:03	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
test_1234_test	ALL	0	2023-06-29 18:38:40	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_199	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_198	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_197	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_196	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_195	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_194	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_193	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_192	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_191	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_190	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]
chu_apart_189	ALL	0	2023-06-20 19:37:49	[Add Sub Network] [Share] [Handover] [Delete] [Configure]

6.1.1.1 Add Sub Networks

Select the network and click **Add Sub Network**.

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE Quick Deployment

commonApas...

NETWORKS

- WIRELESS
 - Basic
- AUTHENTICATION
 - Voucher
 - Account
 - PPSK
 - Captive Portal
- Settings
 - AP

Network Info(24440)

Network Info

Current Network: default

Add Sub Network Add Device

Subnetwork List

Network	Upper Network	Devices	Created Time	Action
test11111	ALL/default	1	2023-03-29 11:53:47	

First Previous Page 1 of 1 Next Last

20 Total: 1

Ruijie Cloud MONITORING CONFIGURATION MAINTENANCE

commonApas...

NETWORKS

- WIRELESS
 - Basic
 - Layout
 - Radio Planning
 - Roaming
 - Bluetooth
- AUTHENTICATION
 - Voucher
 - Account
 - PPSK
 - Captive Portal

Add Sub Network

Basic

Name Subaccount

Parent Node default

Wireless Configuration Inherit Parent Node

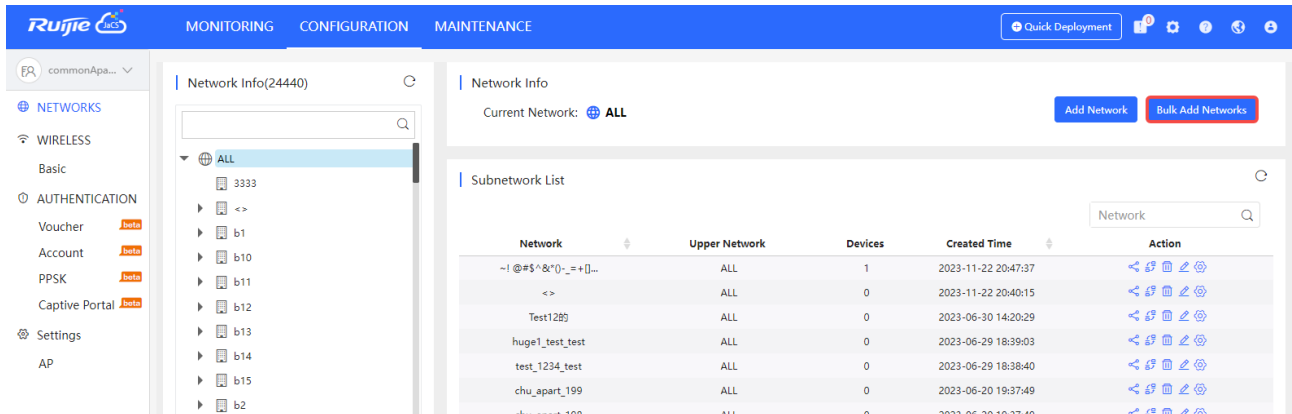
Bind Location Tokyo, Japan

Map showing location in Tokyo, Japan. Drag the icon to adjust the network location.

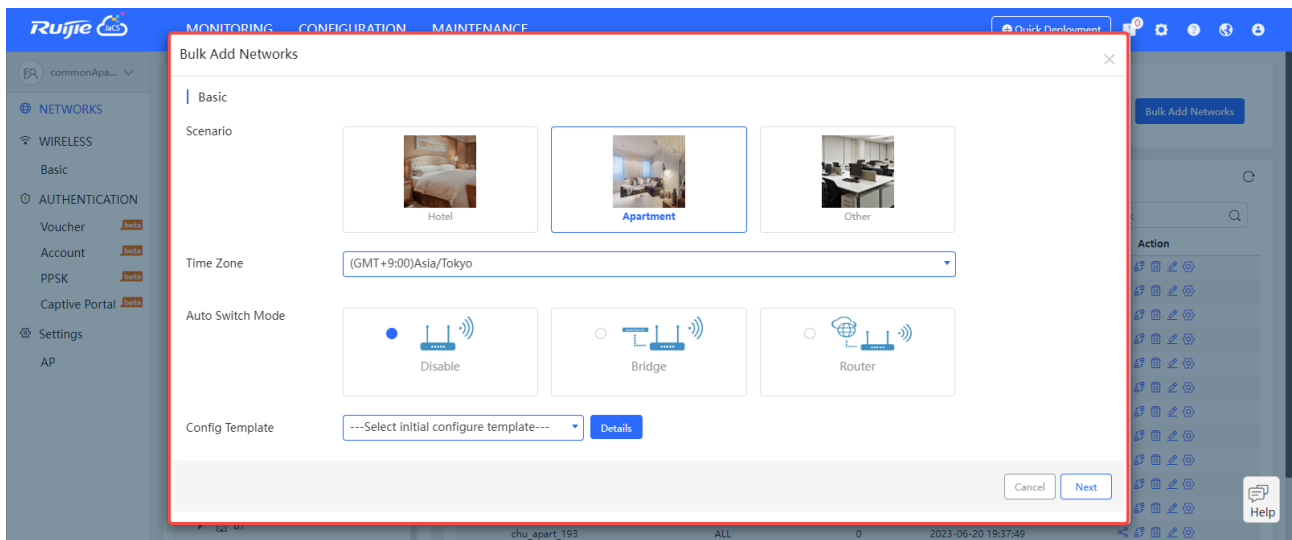
Save & Next Cancel

6.1.1.2 Bulk Add Networks

Step 1 Click **Bulk Add Networks** to enter the setting page.

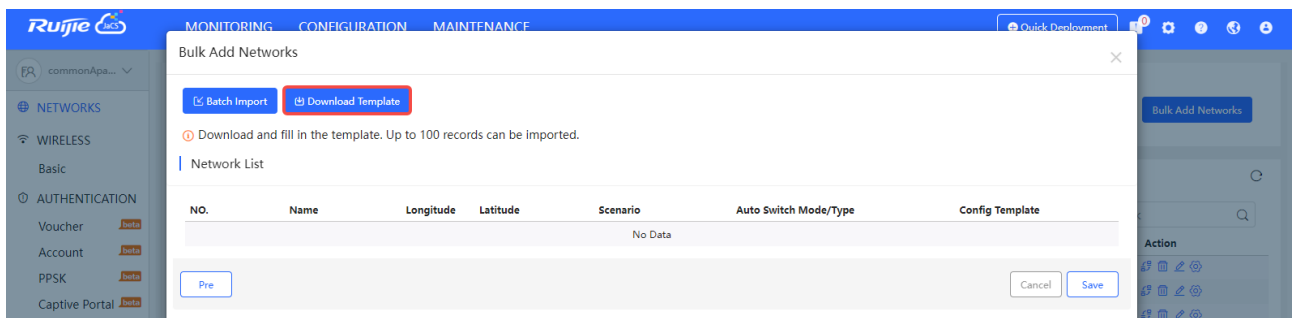


Step 2 Specify the **Scenario**, **Time Zone**, **Auto Switch Mode** and **Configuration Template** (optional).

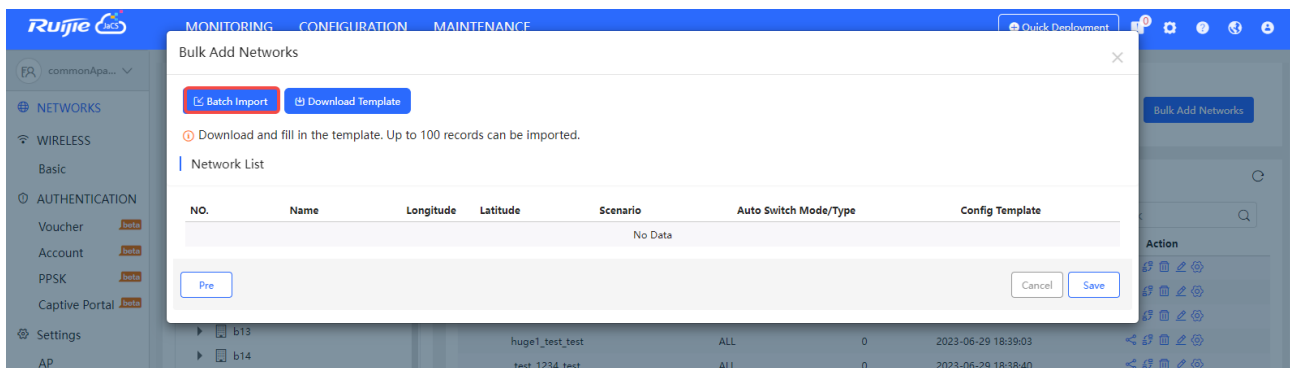


i When an initial configuration template is selected, the **Enabled** button appears. By default, the function is disabled. When it is enabled, the configurations in the template will be delivered to all devices in the network when they go online for the first time.

Step 3 Click **Download Template** to download and fill in the template.



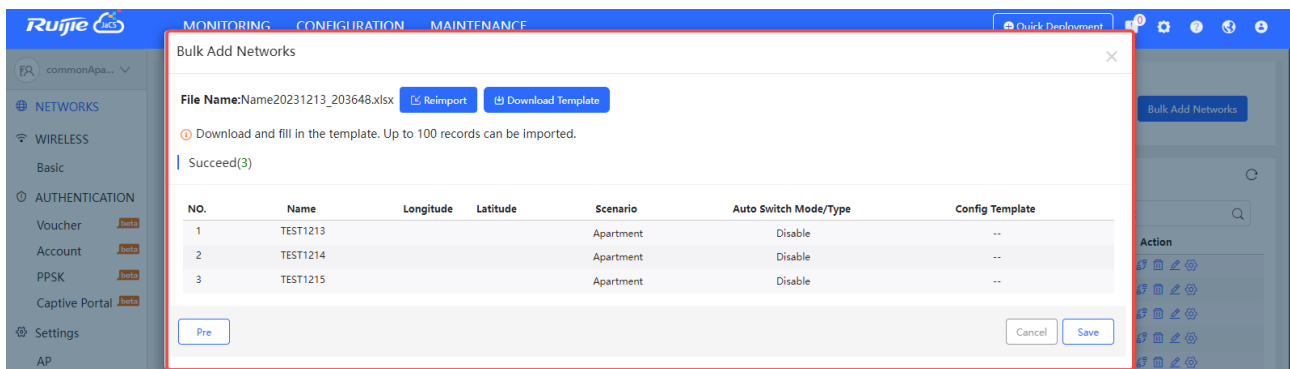
Step 4 Click **Batch Import** to import the filled template.



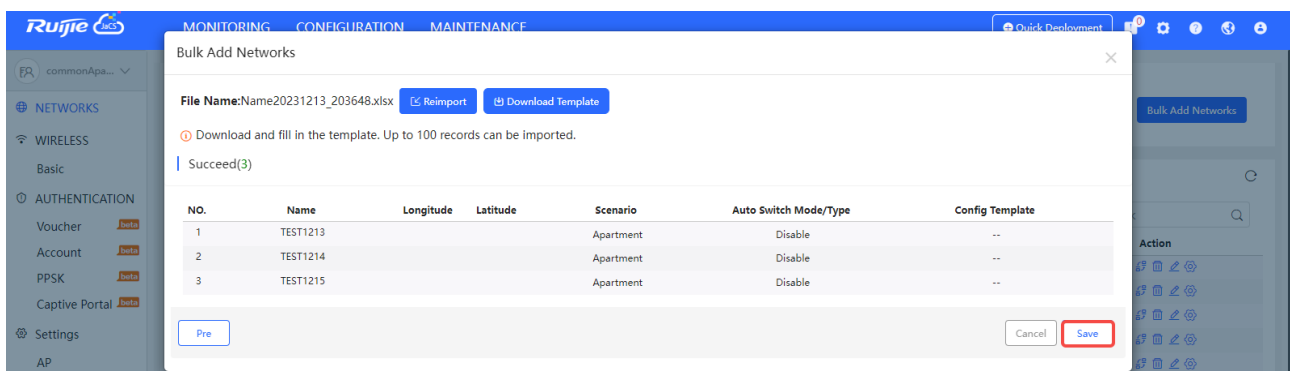
i If a wrong file is imported, an error prompt appears for 3s.

i If a correct file is imported, a confirmation box appears. Click **OK** in the confirmation box to import the file.

When the file is imported, the created networks will be displayed in the **Succeed** list. The networks of which parameters are consistent with other networks will be displayed in the **Failed** list.



Step 5 Click **Save** to complete the import. All the networks created will be displayed in the **CONFIGURATION > NETWORKS** page.

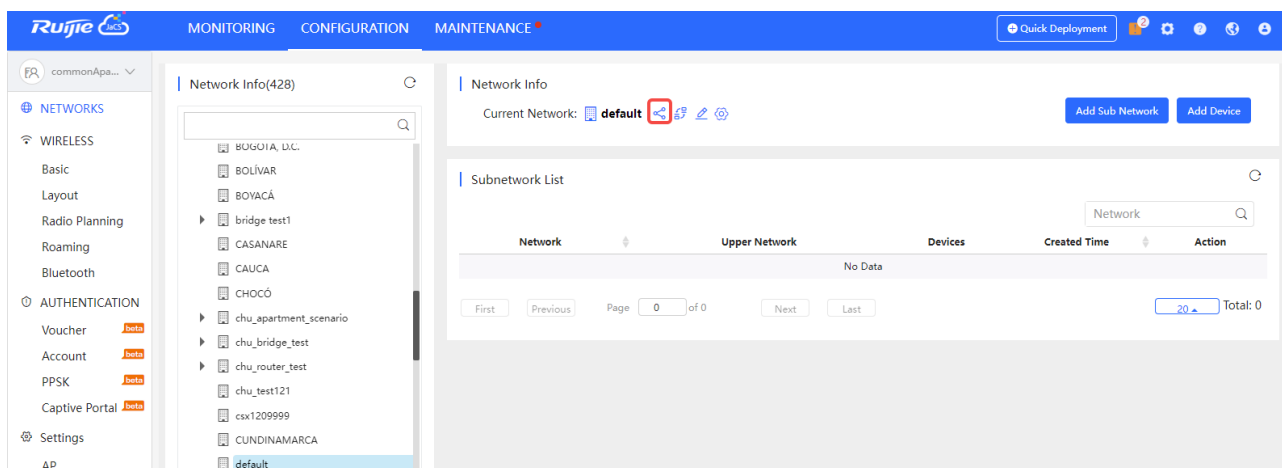


i If several users import a same file at the same time, the file imported by the user who clicks **Save** first will be saved, and error prompt will be sent to the rest of the users.

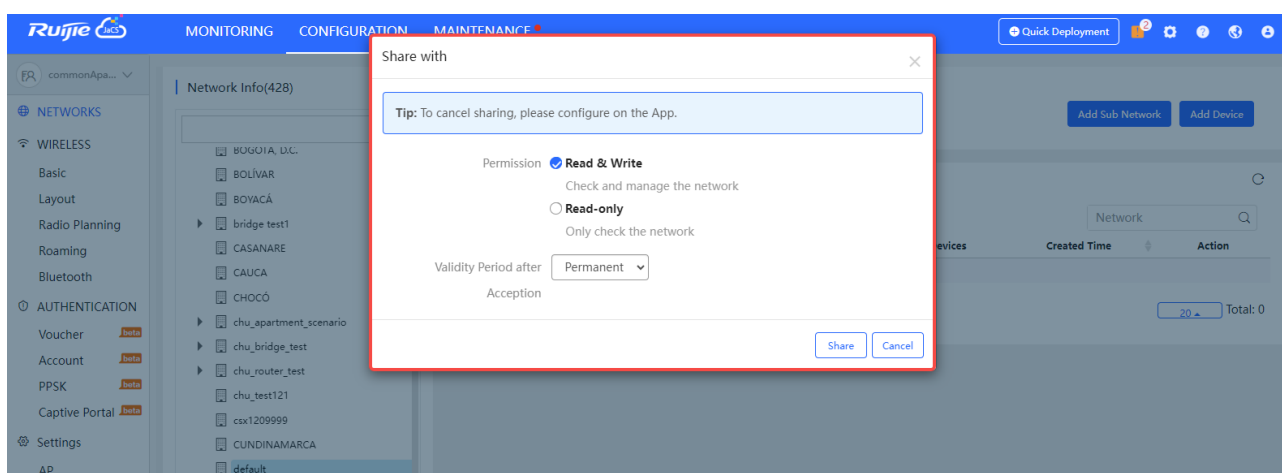
6.1.1.3 Share with

A network can be shared to other users for check and management. You can set the validity so that the network sharing will be canceled after the specified time.

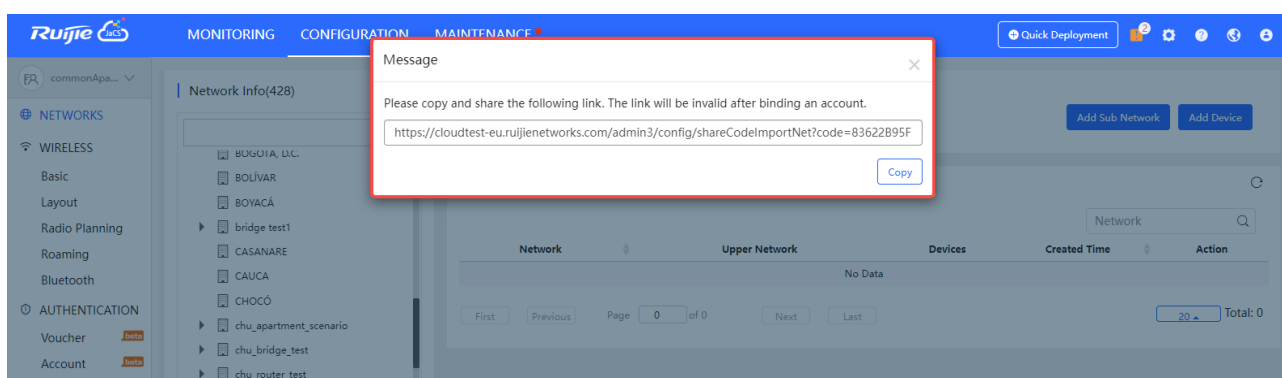
Step 1 Select a network and click the  icon.

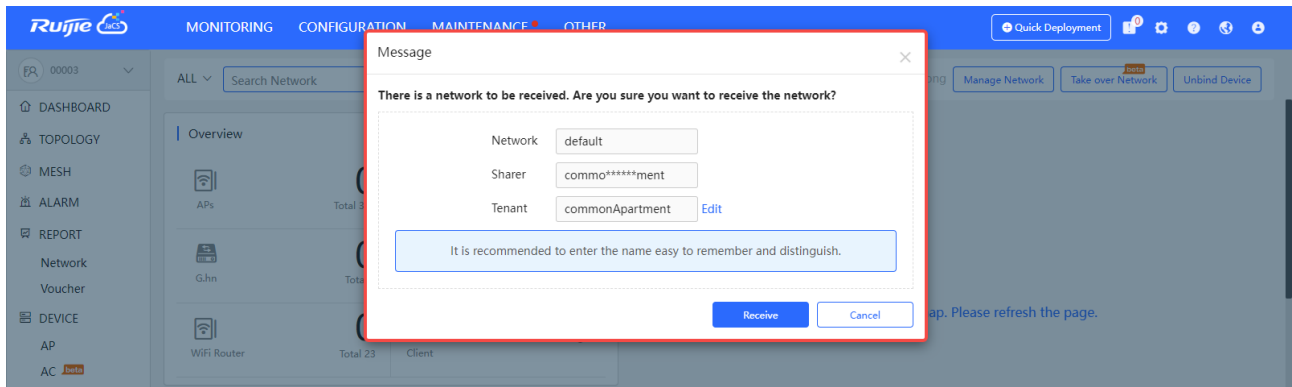



Step 2 Specify the permission and validity period.

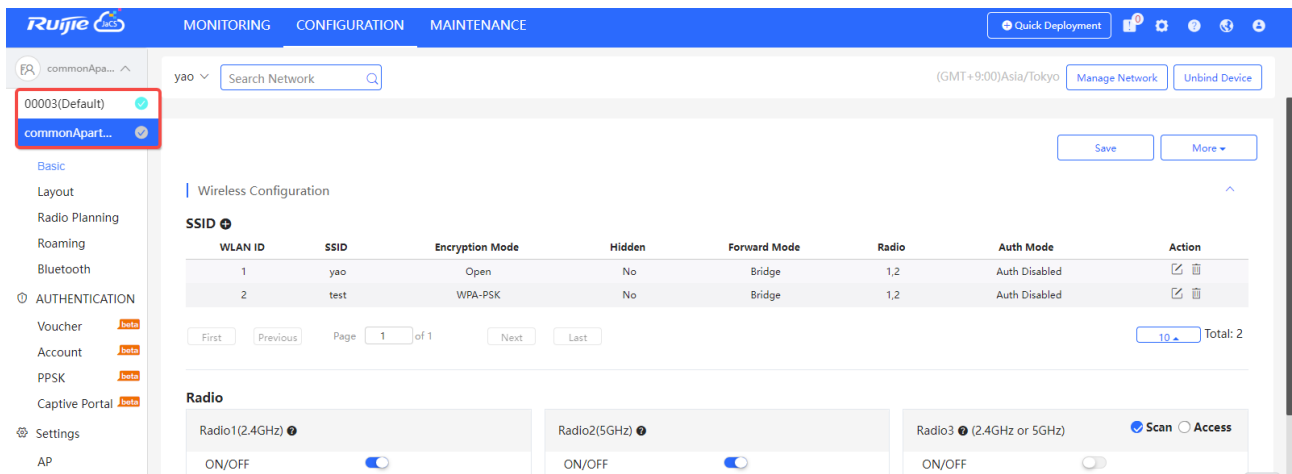


Step 3 Copy the link and send to the receiver. The receiver can visit the URL and log in to receive the network.





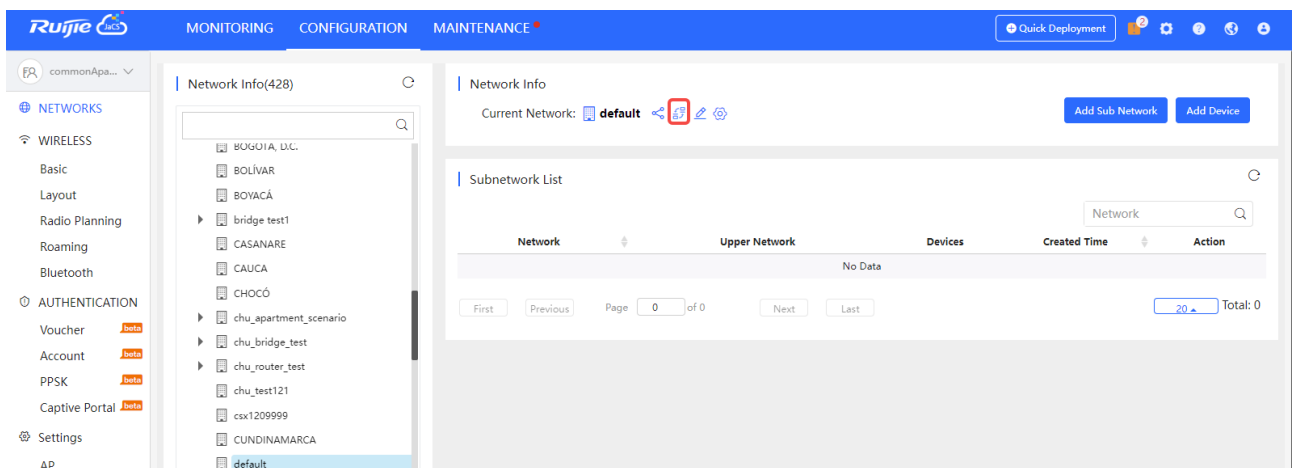
Step 4 Click the  on the upper left corner to switch tenant and check the shared network.



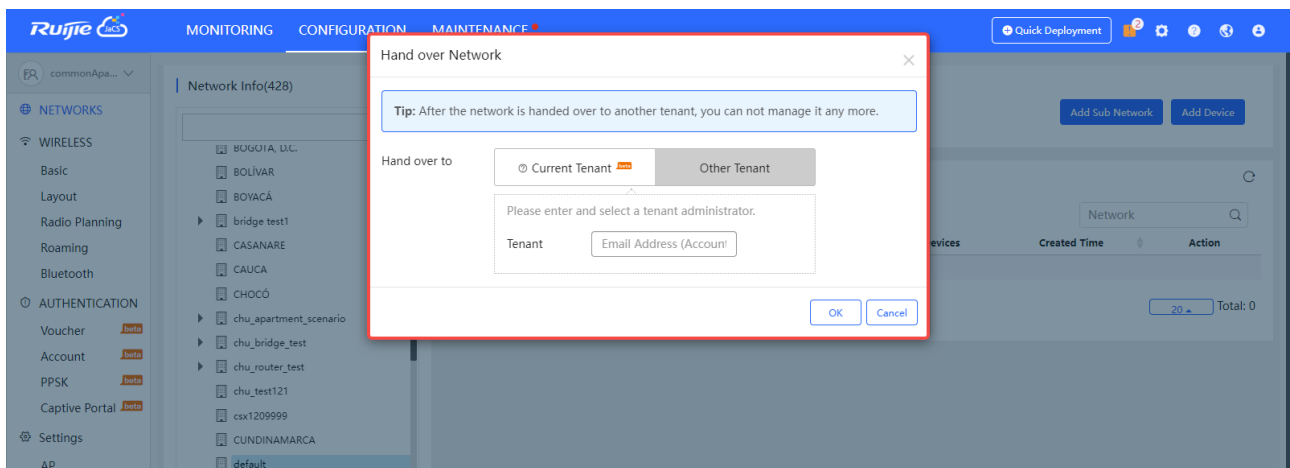
6.1.1.4 Hand over

The network can be handed over to another tenant.

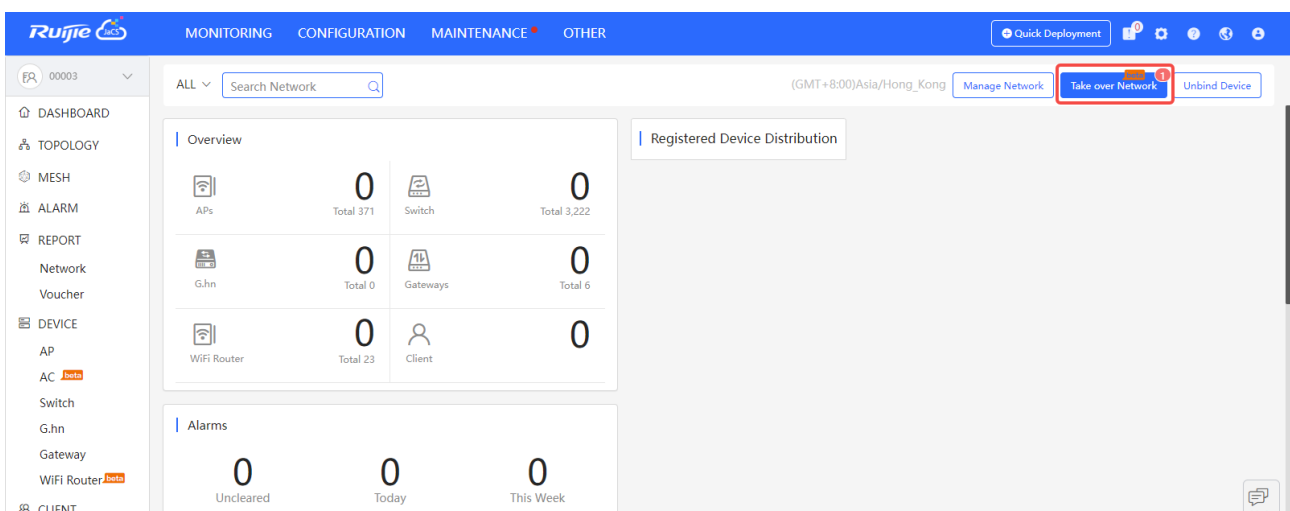
Step 1 Select a network and click the  icon to hand over the network to another tenant.



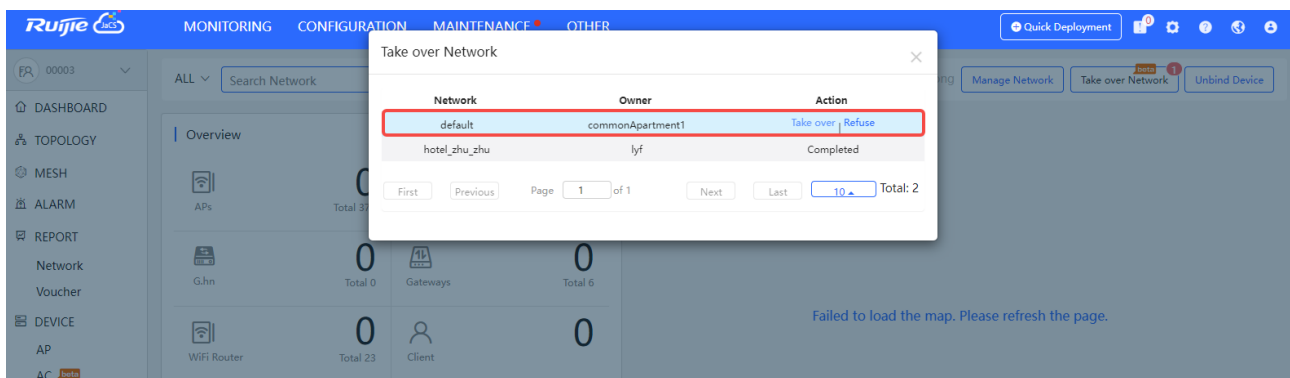
Step 2 Click **Other Tenant** and enter the Email address of tenant, and click **OK**. After the receiver takes over the network, you cannot manage the network anymore.



Step 3 As the receiver logs in to Ruijie JaCS, an icon is displayed on the upper right corner.



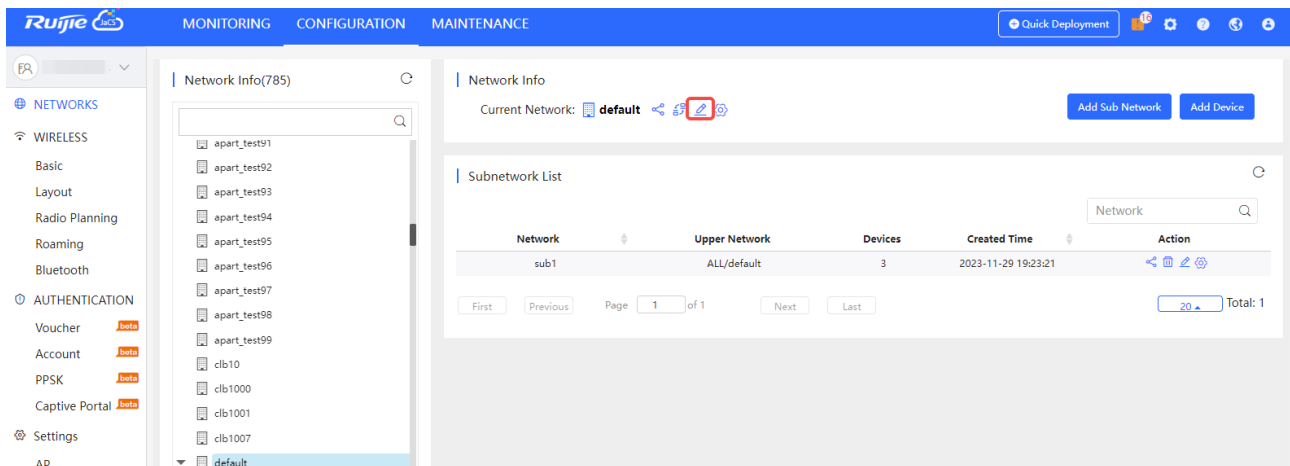
Step 4 Click **Take over Network** to take over or refuse the network.



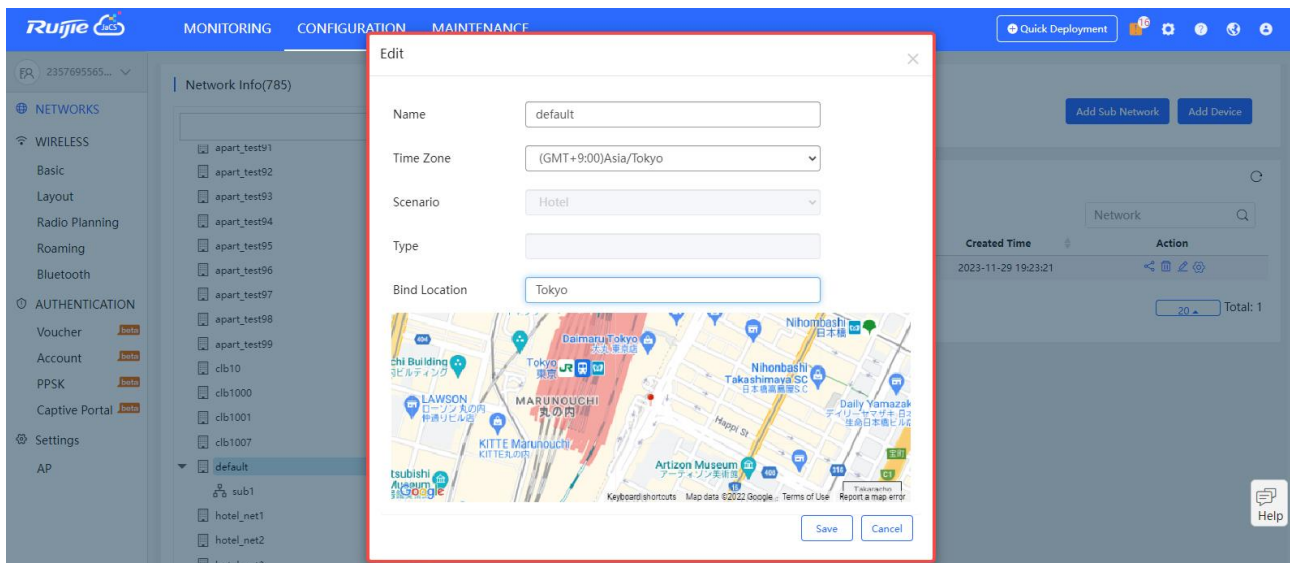
6.1.1.5 Edit

Select the network and click the  icon to edit the network.

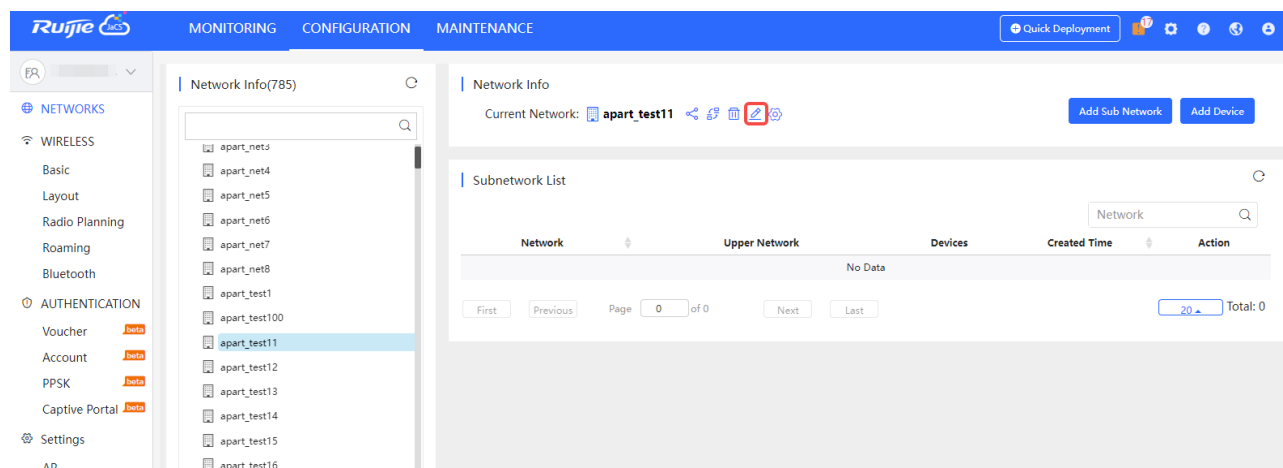
Non-apartment Scenario



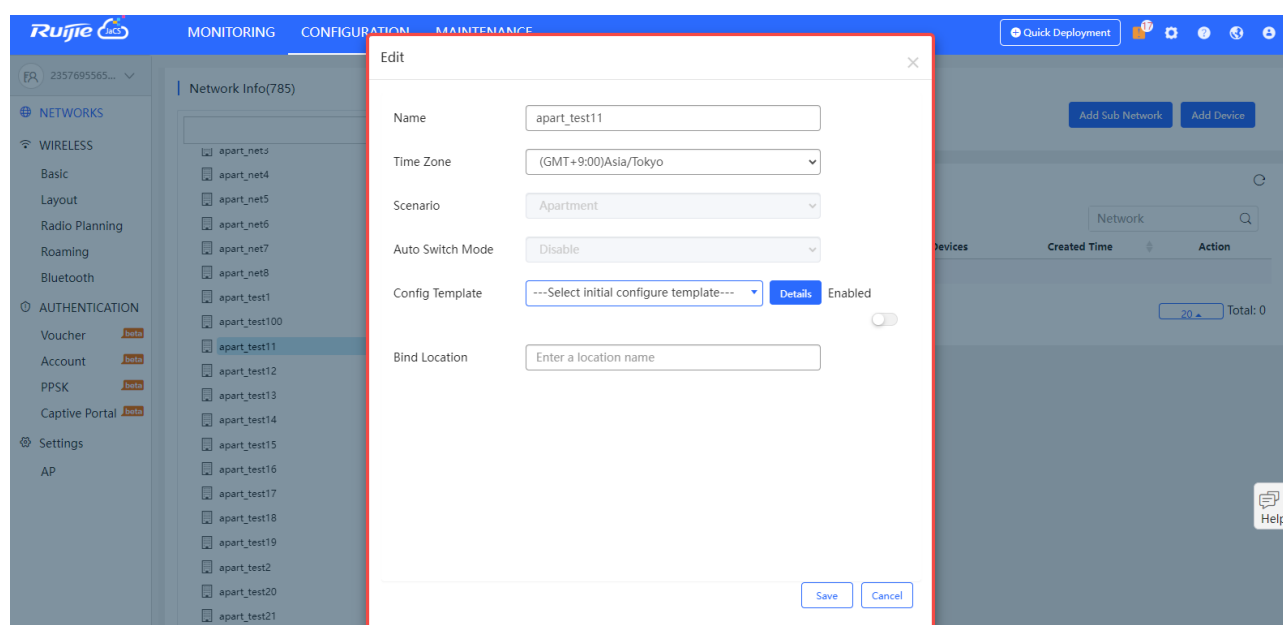
You can edit network name and time zone, and bind location here.



Apartment Scenario

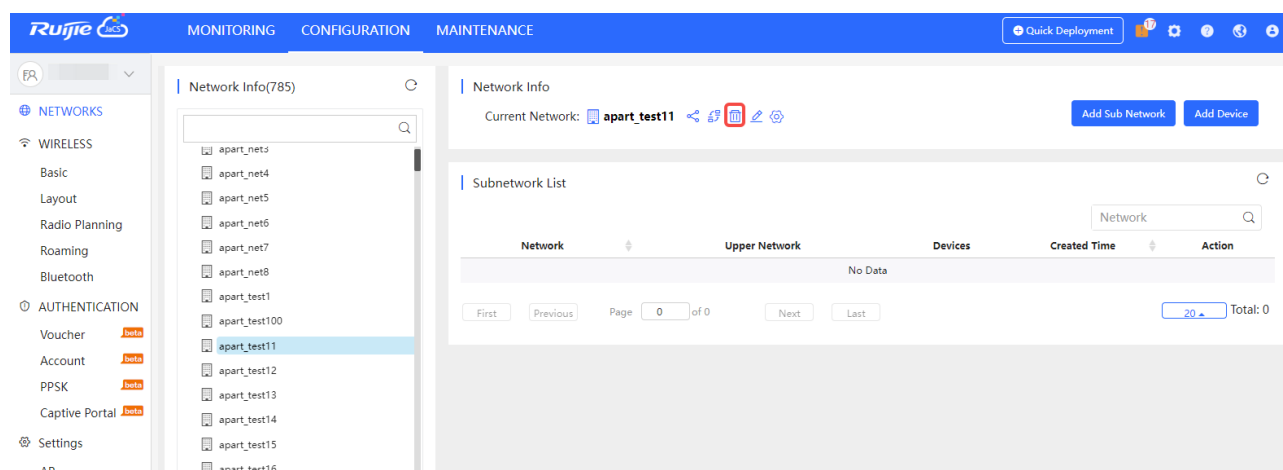


You can edit network name and time zone, bind location and select an initial configuration template here.




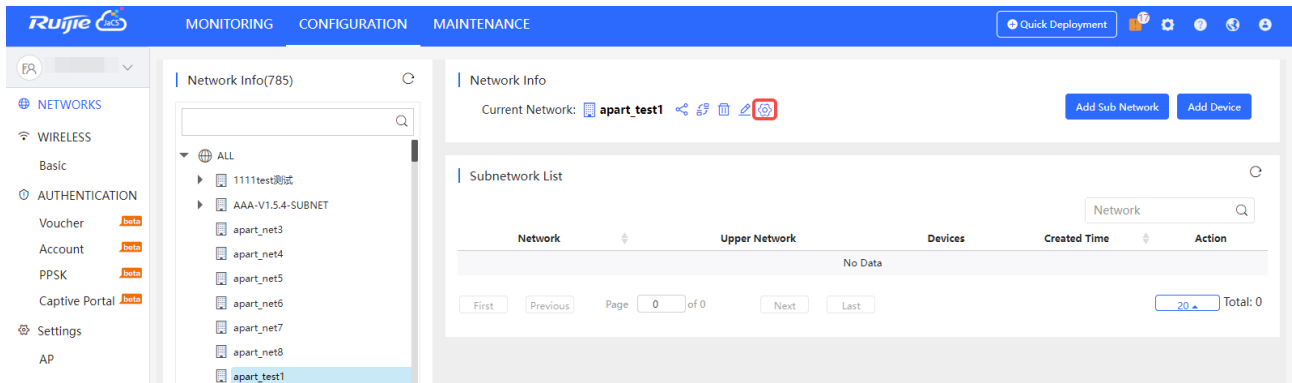
6.1.1.6 Delete

Select the network and click the  icon to delete the network.



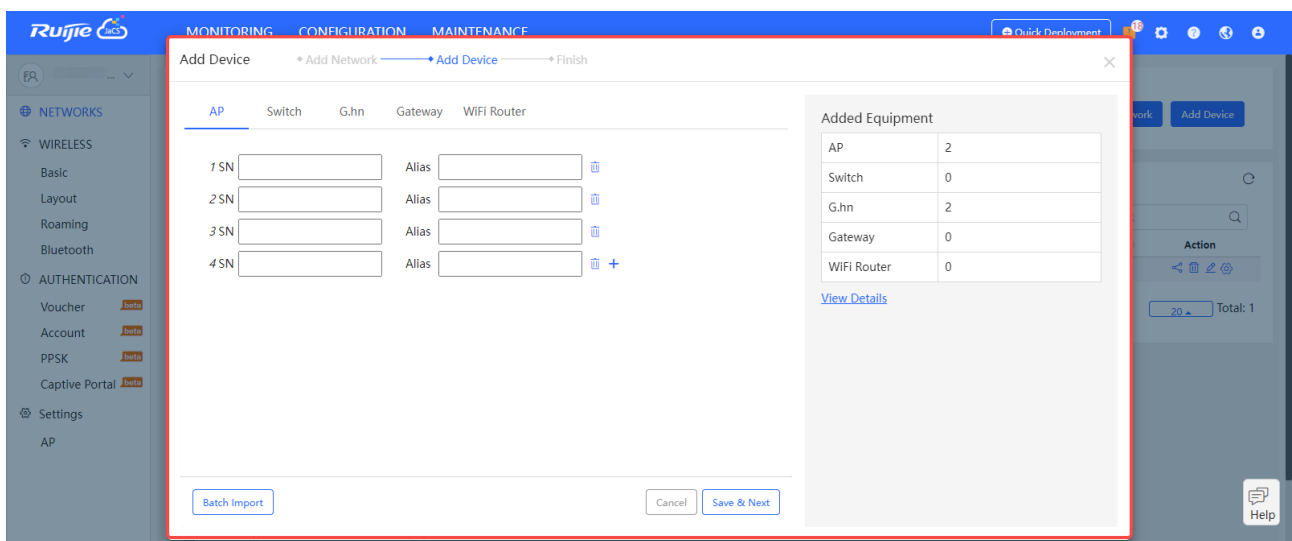
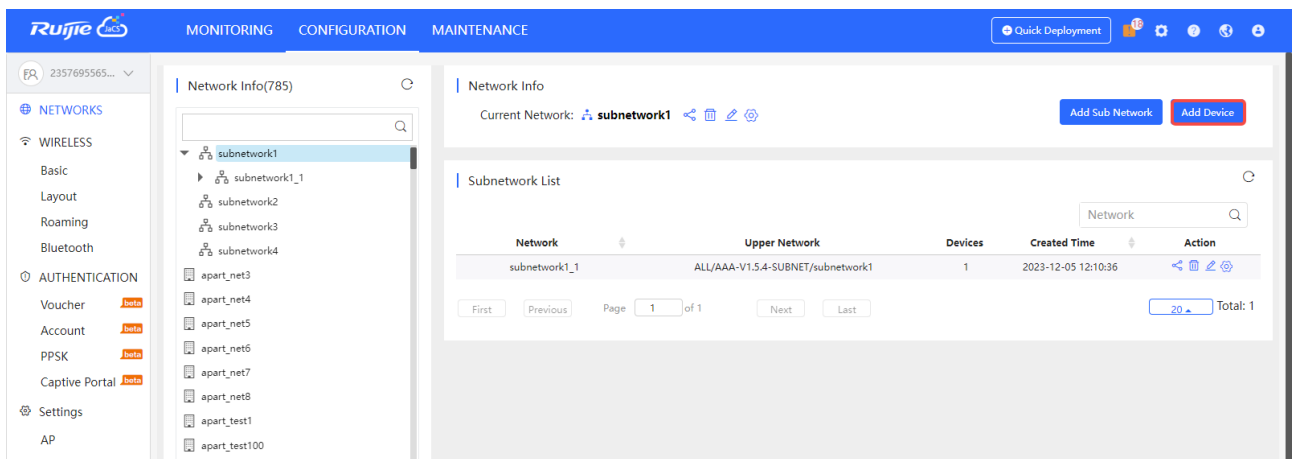
6.1.1.7 Configuration

Select the network and click the  icon on the **Action** column to configure it.



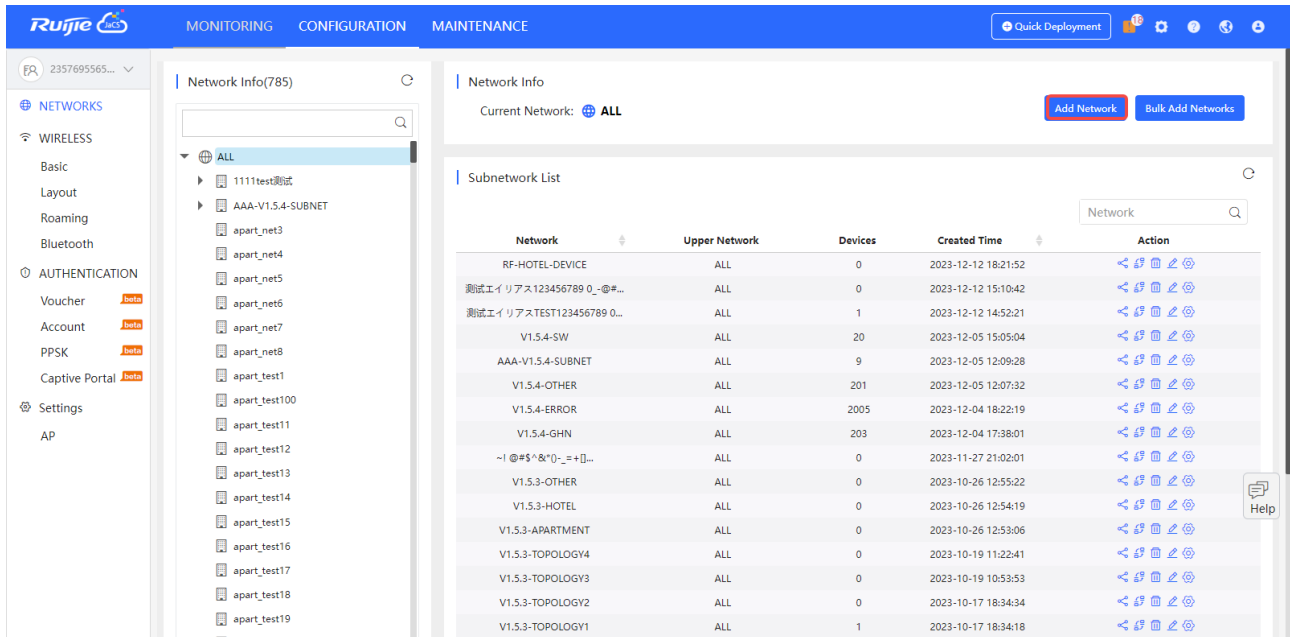
6.1.1.8 Add Device

Click **CONFIGURATION > NETWORKS** to open the page. Choose a network, and click **Add Device** to add APs, switches, gateways, and WiFi routers.



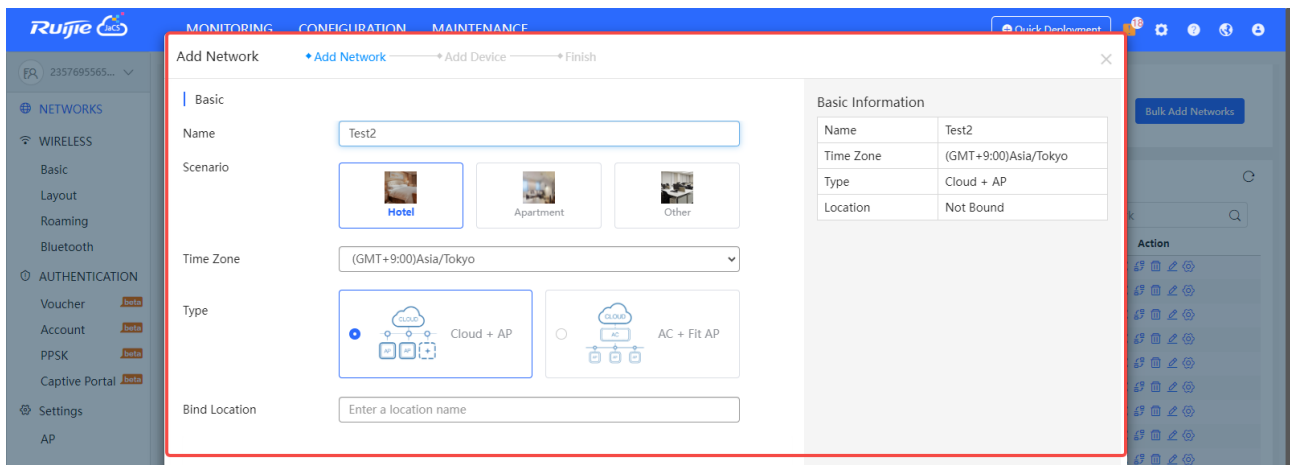
6.1.2 Add Network

Select **CONFIGURATION** > **NETWORKS**, and click **Add Network**.

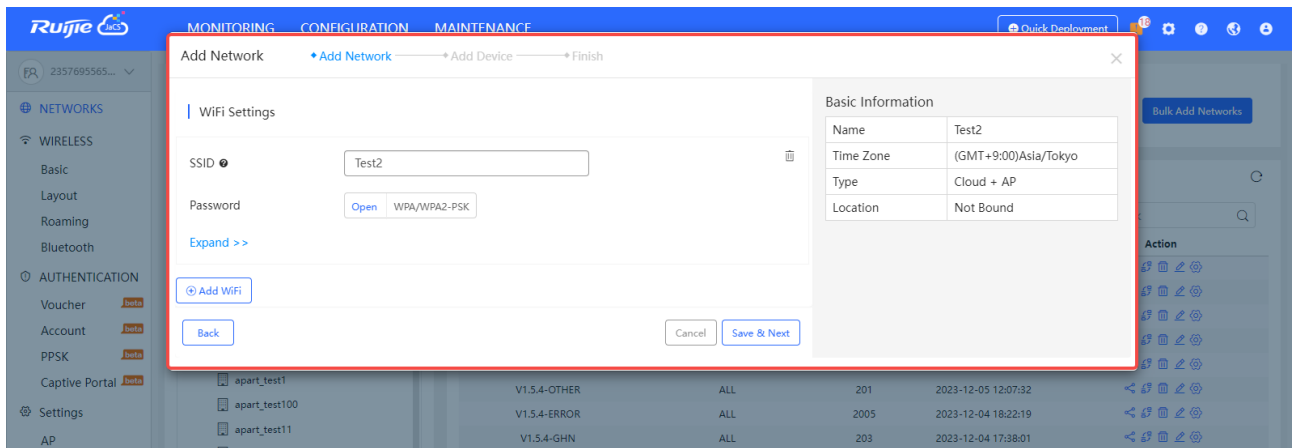


Non-apartment Scenario

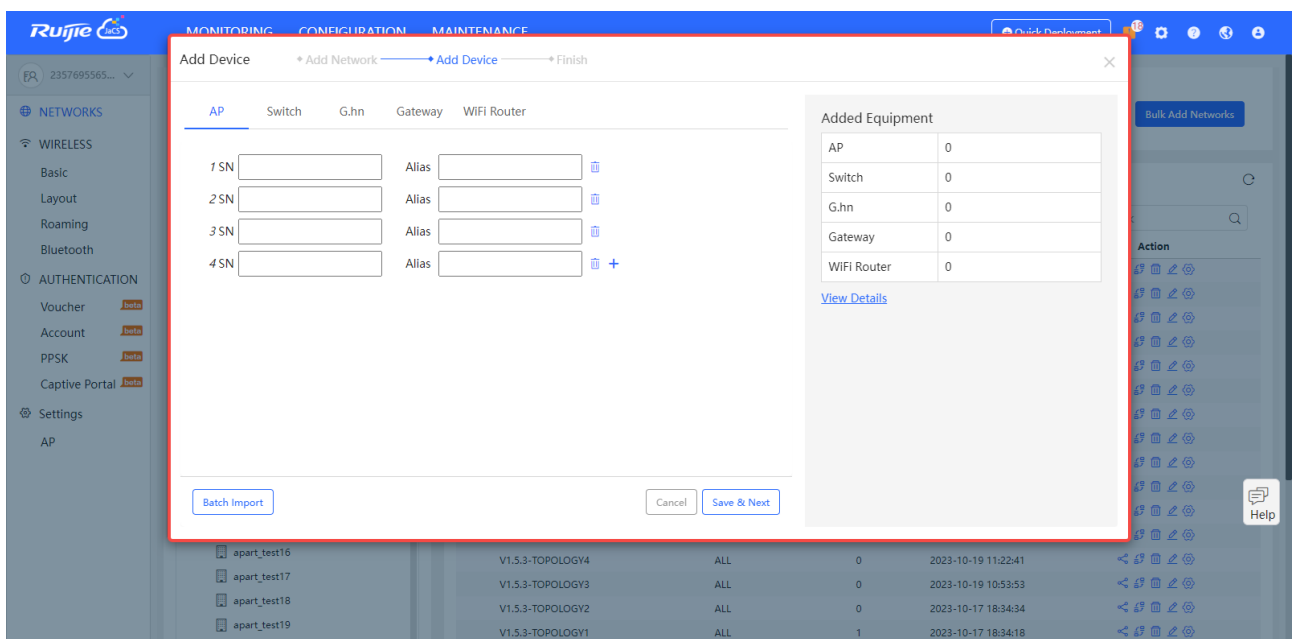
Enter the network name and specify the network location.



Enter the Wi-Fi information as required, and click **Save & Next**.

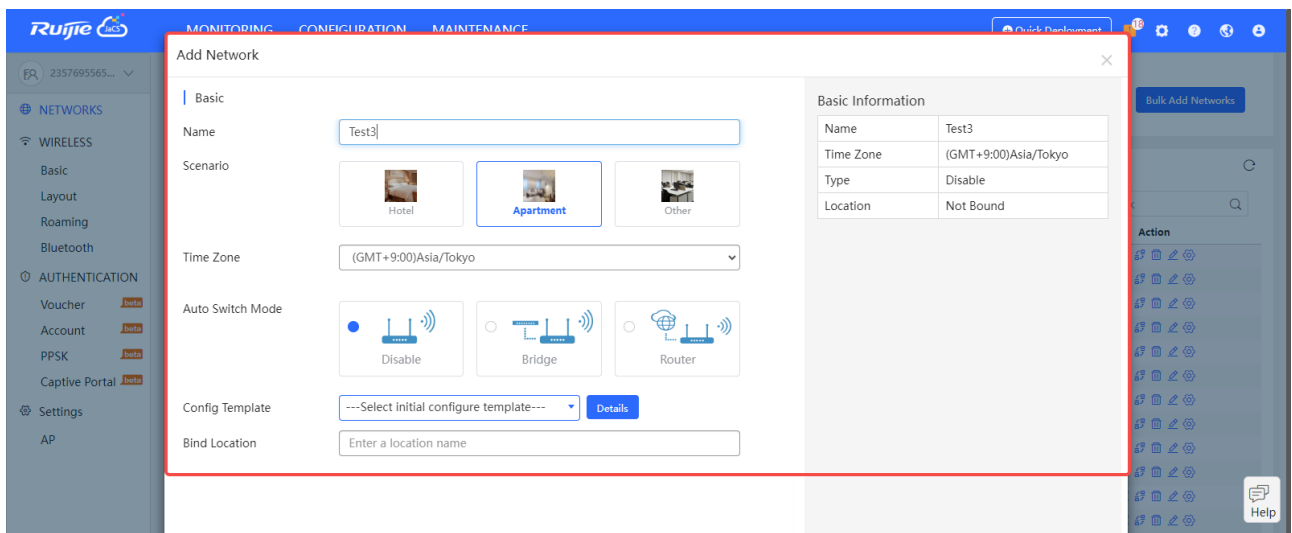


Enter the information of APs, switches and gateways, and click **Save & Next**. Or click **Batch Import** to download the template, enter the device information in the table, and then batch import devices into the system.



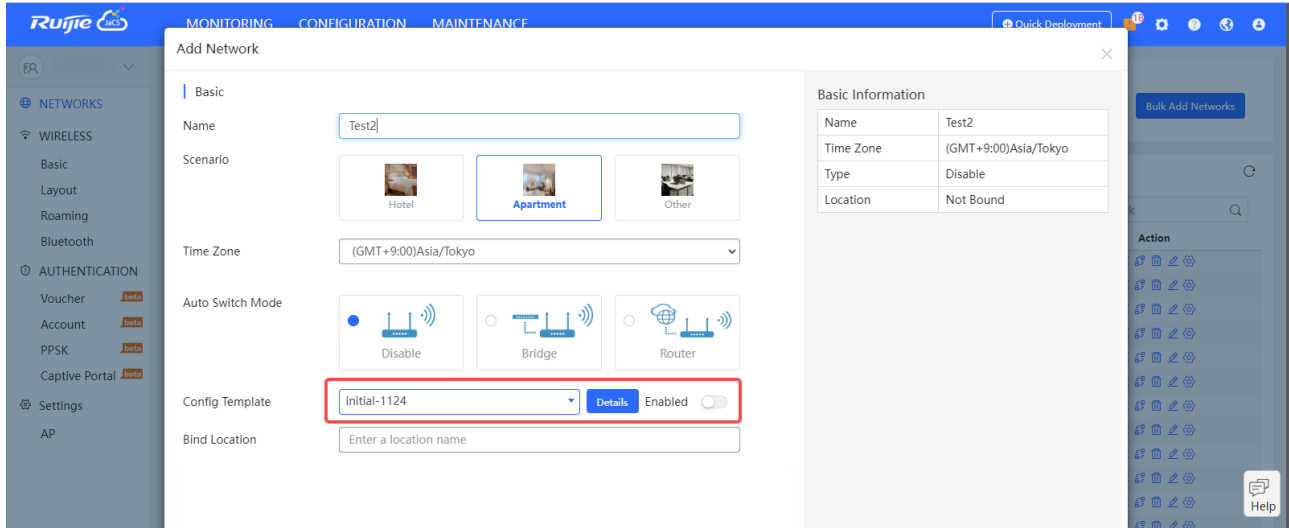
Apartment Scenario

Enter the network name, select the scenario and bind the location.



6.1.3 Initial Configuration Template

When adding or editing an Apartment network, you can decide whether to apply an initial configuration template to the devices in the network. If you select a template and enable it, its configurations will be automatically applied to all AP180 series devices in the network when they are connected to the JaCS for the first time. It should be noticed that the configurations are automatically applied to the devices once only.

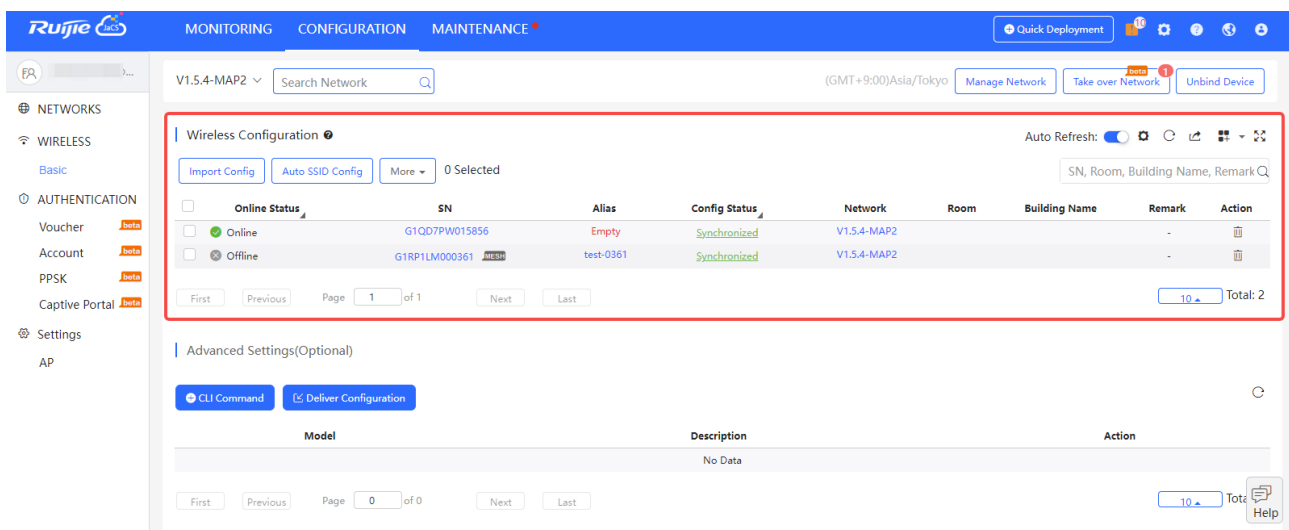


- When an Apartment network is edited, the last-applied initial configuration template is selected automatically. In this case, you need to manually enable or disable it.
- If a device is moved to an Apartment network to which an initial configuration template has been applied, the configurations of the template will automatically be applied to it.

6.2 Wireless

6.2.1 Basic (Apartment Scenario)

Select **CONFIGURATION > WIRELESS > Basic** to configure SSID and password of AP, and to run CLI commands to deliver configurations to the devices in the Apartment scenario.



In the apartment scenario, SSID and password can be configured in 2 ways.

Option 1: Click **Import Config** to manually import SSIDs and passwords in an EXCEL file.

The screenshot shows the Ruijie Cloud web interface. The left sidebar has 'WIRELESS' selected. The main area is 'Wireless Configuration' for network 'V1.5.4-MAP2'. The 'Import Config' button is highlighted with a red box. Below it is a table with columns: Online Status, SN, Alias, Config Status, Network, Room, Building Name, Remark, and Action. Two rows are visible, both with 'Synchronized' status. The bottom of the table shows 'Page 1 of 1' and 'Total: 2'.

Option 2: Select **Auto SSID Config**. In this way, you don't need to manually configure the SSID and password.

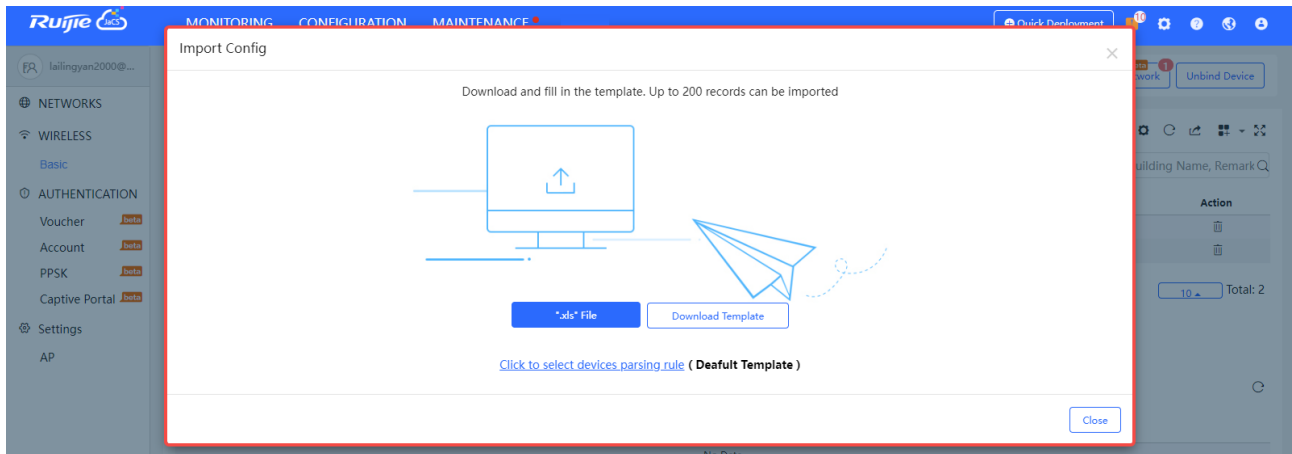
The screenshot shows the Ruijie Cloud web interface. The left sidebar has 'WIRELESS' selected. The main area is 'Wireless Configuration' for network 'V1.5.4-MAP2'. The 'Auto SSID Config' button is highlighted with a red box. Below it is a table with columns: Online Status, SN, Alias, Config Status, Network, Room, Building Name, Remark, and Action. Two rows are visible, both with 'Synchronized' status. The bottom of the table shows 'Page 1 of 1' and 'Total: 2'. Below the table is the 'Advanced Settings(Optional)' section, which is currently empty.

You also can run CLI commands in the **Advanced Settings** to deliver the configurations to the devices in the Apartment scenario.

The screenshot shows the Ruijie Cloud web interface. The left sidebar has 'WIRELESS' selected. The main area is 'Wireless Configuration' for network 'V1.5.4-MAP2'. The 'Advanced Settings(Optional)' section is highlighted with a red box. It contains two buttons: 'CLI Command' and 'Deliver Configuration'. Below these buttons is a table with columns: Model, Description, and Action. The table is currently empty, showing 'Page 0 of 0' and 'Total: 0'.

6.2.1.1 Customize Template Rules

To batch import devices or change SSIDs/passwords, you can customize the importing template.



Click **Click to select devices parsing rule**, the rule customizing page appears.

There will be one default rule.

1. **Add** button: Add a new rule

2. Menu bar: Display rule content

Check	Name	SnPosition	SsidPosition	SsidPasswordPosition	RoomPosition	BuildingNamePosition	RemarkPosition	Action
<input checked="" type="checkbox"/>	default	B2	E2	F2	H2	I2	J2	
<input type="checkbox"/>	0619	A2			C2	D2	B2	
<input type="checkbox"/>	061901	E2	H2	I2	B2	C2	D2	
<input type="checkbox"/>	chu_test_21	N14	P14	R14	F14	C14	D14	
<input type="checkbox"/>	define	P3	R3	T3	H3	D3	F3	

3. **Check** box: Only one rule can be selected at a time

4. **Rule control** button:

5. **Navigation** buttons: Previous, 1/5, Next

1. **Add** button: Add a new rule

2. Menu bar: Display rule content

- **Name**: User defined name
- **SnPosition**: Specify the starting position of SN in template
- **SsidPosition**: Specify the starting position of SSID in template
- **SsidPasswordPosition**: Specify the starting position of SSID's password in template
- **RoomPosition**: Specify the starting position of room number in template
- **BuildingNamePosition**: Specify the starting position of building name in template
- **RemarkPosition**: Specify the starting position of remark in template


If an entry is left empty, it will not be imported when importing the template.

※User can customize the EXCEL parsing rule from columns A to Z and rows 1 to 15.

3. **Check** box: Only one rule can be selected at a time

4. **Rule control** button:

- : Edit the rule
- : Delete the rule

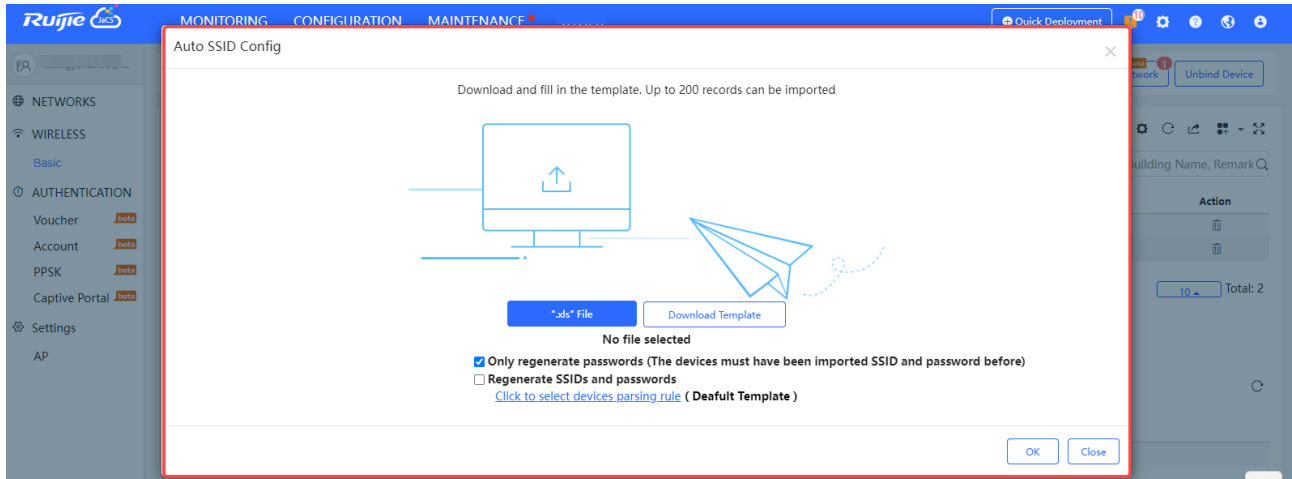
-  : Set the rule as default rule

5. Page up and down button

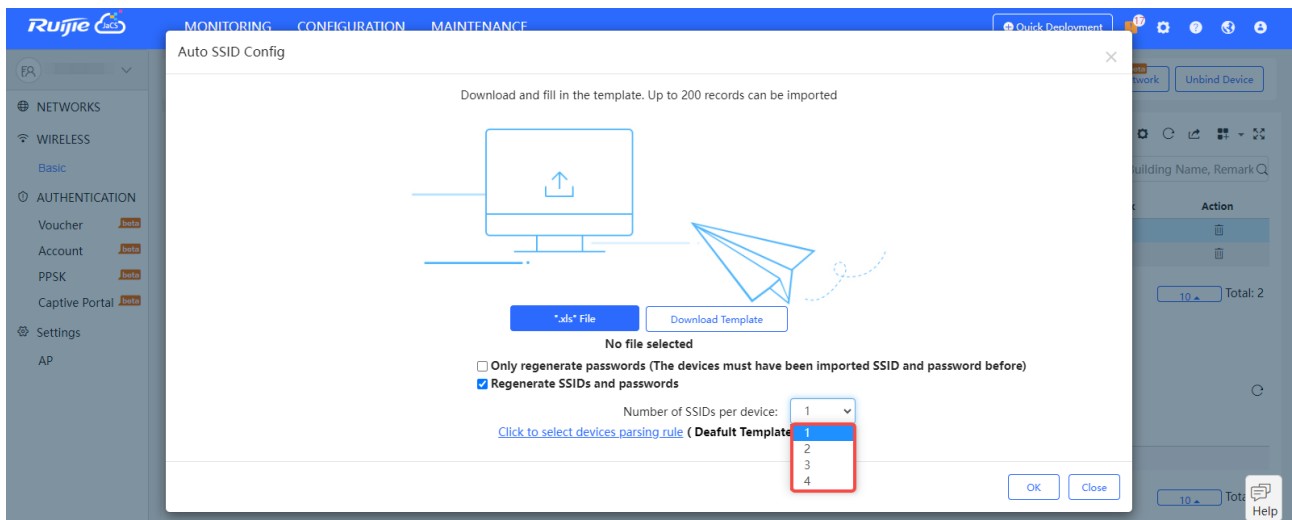
6.2.1.2 Auto SSID Config

Click **Auto SSID Config** to configure the SSID and password automatically.

To configure the password only, select **Only regenerate passwords**.



To configure both the SSID and password, select **Regenerate SSIDs and passwords**. At most 4 SSIDs can be configured.



You can use either custom template or the default template.

- Use Customized Template to Configure SSID/Password

The customized template need to include SN, Building Name, Room Number, SSID, SSID Password, and Remark.

The following is an example to change the SSID and password only:

A	B	C	D	E	F	G
Building Name	Room					
100001	203					
100001	204					
100001	205					

The custom rule may be set as below:

- Name: ModifySSID

- snPosition:
- ssidPosition:
- ssidPasswordPosition:
- roomPosition: B2
- buildingNamePosition: A2
- RemarkPosition:

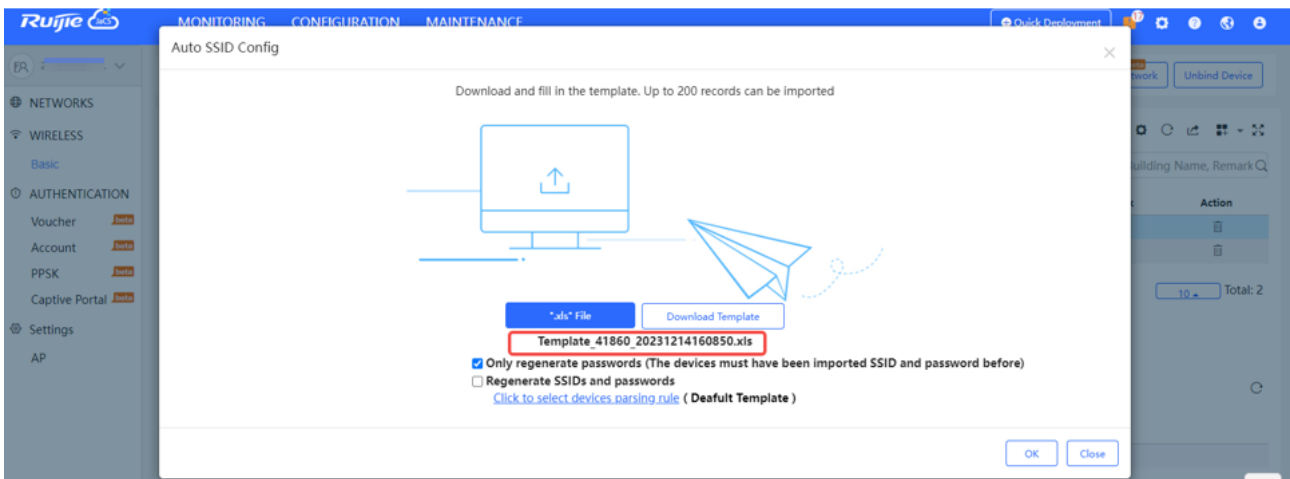
※If Remark is filled in EXCEL file, the former remark saved in the Cloud will be overwritten.

- Use Cloud's Default Template to Configure SSID/Password

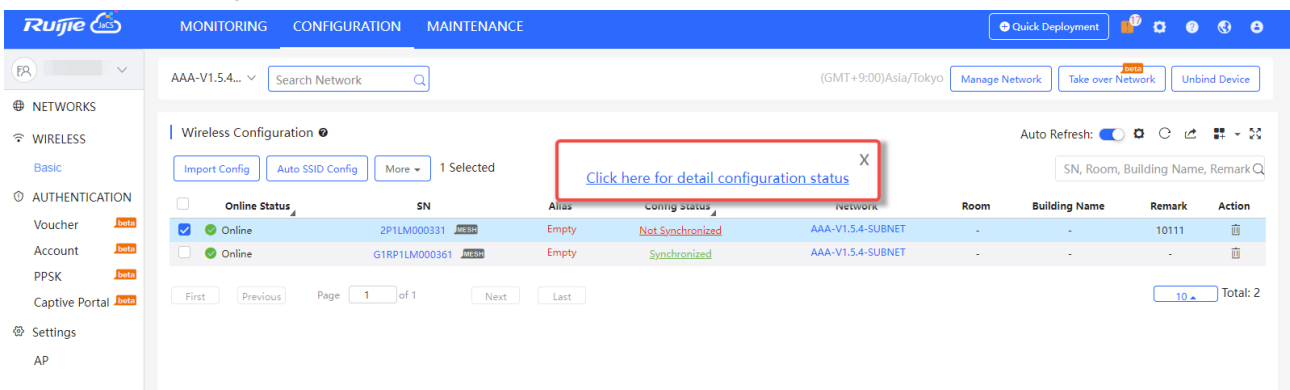
Download the template and fill the information as below:

	A	B	C	D
1	SN	Remark	Room No	Building Name
2	2P1LM000331	10111	203	building1
3				

Import the template.



After the template is successfully imported, a prompt will be displayed. Click the prompt to open the Config Log page, and export the SSID configuration result.



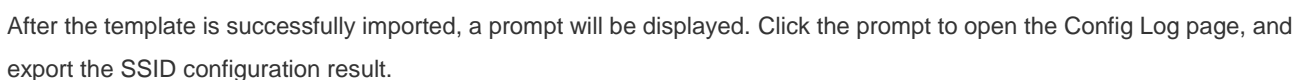
To view the configuration result of the specified device, you can also point to the device **SN** to check the SSID/password. You also can view the supported RF of the device.

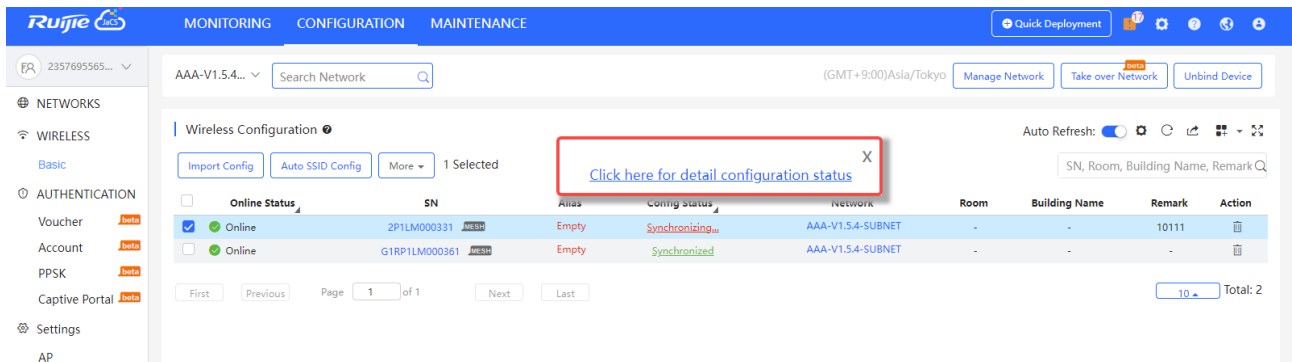


- Click **Download Template.**

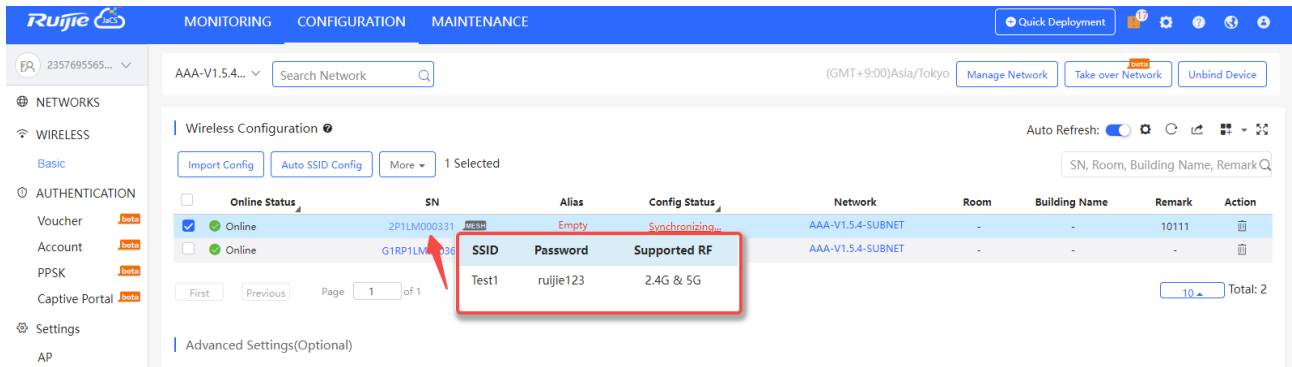


Click “**xls**” **File** to import the template.





To view the configuration result of the specified device, you can also point to the device SN to check the SSID/password.



● Use Customized Template to Import SSID and Password

The operation is almost the same with that in **Auto SSID Config**. The only difference is that you need to fill in the SSID and password to be changed in the template.

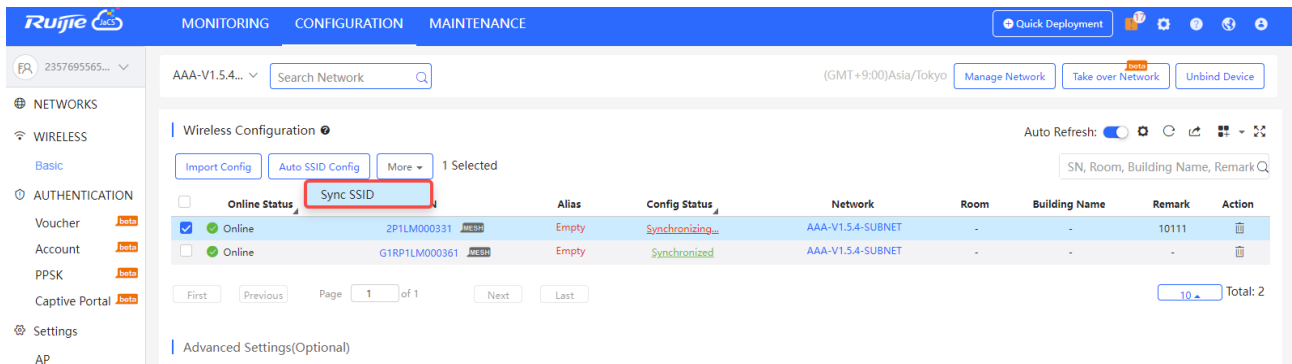
The custom rule may be set as below:

- Name: ModifySSID
- snPosition:
- ssidPosition: G3
- ssidPasswordPosition: H3
- roomPosition: C3
- buildingNamePosition: B3
- remarkPosition: D3

※If Remark is filled in EXCEL file, the former remark saved in the Cloud will be overwritten.

6.2.1.4 More > Sync SSID

Select devices to be synchronized, and click **More > Sync SSID** to synchronize the SSIDs and passwords of the devices. A maximum of 100 devices can be selected. After the synchronization, synchronized SSIDs and passwords are displayed.

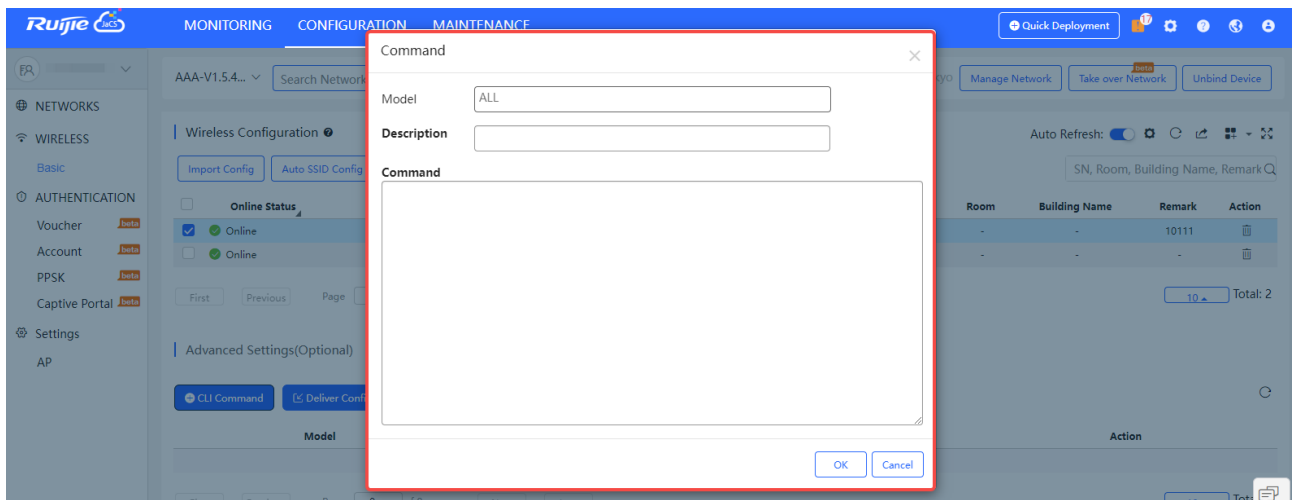


6.2.1.5 CLI Command

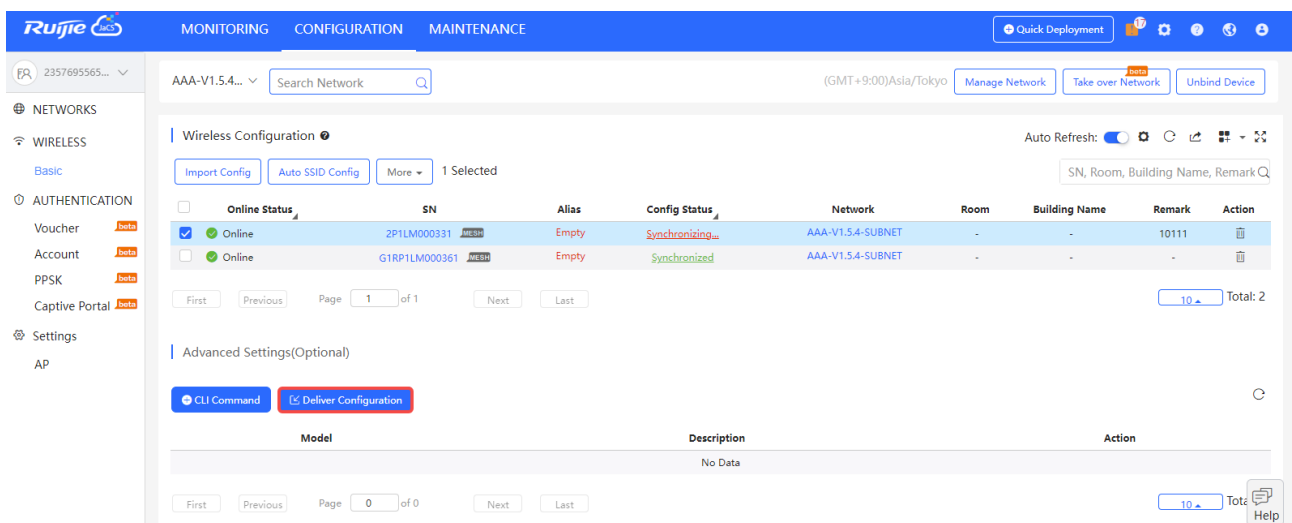
Step 1 Click **CLI Command** to open the setting page.

Step 2 Specify the device model. You can select **All** to deliver the configuration to all devices or select a specific device module.

Step 3 Edit CLI commands. Then, click **OK**.

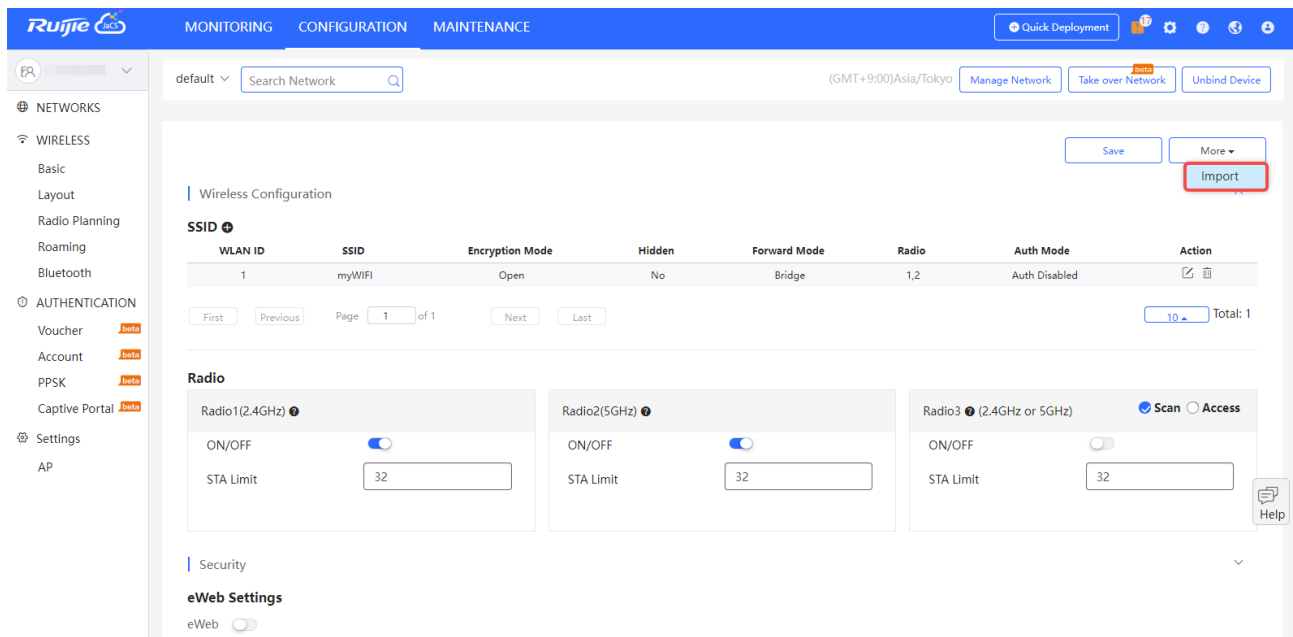


Step 4 Click **Deliver Configuration** to deliver the configuration to the device.

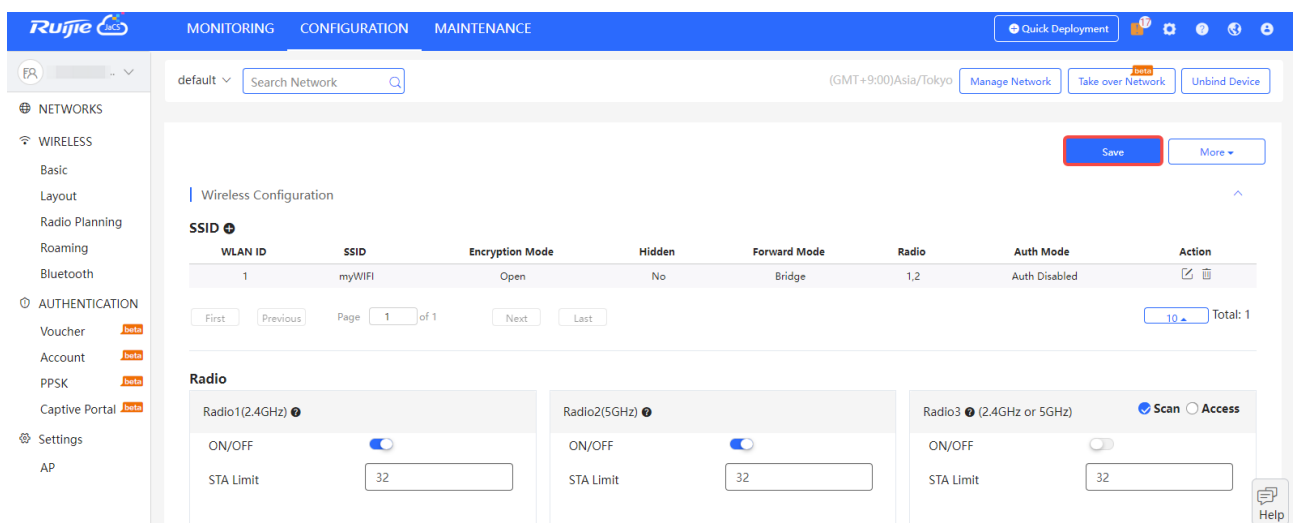


6.2.2 Basic (Non-apartment Scenario)

If a network is not configured, it will inherit configuration from its parent network by default. You can create or import a configuration file from other networks. Note that if there is any captive portal template unavailable for the network, the configuration file cannot be imported.



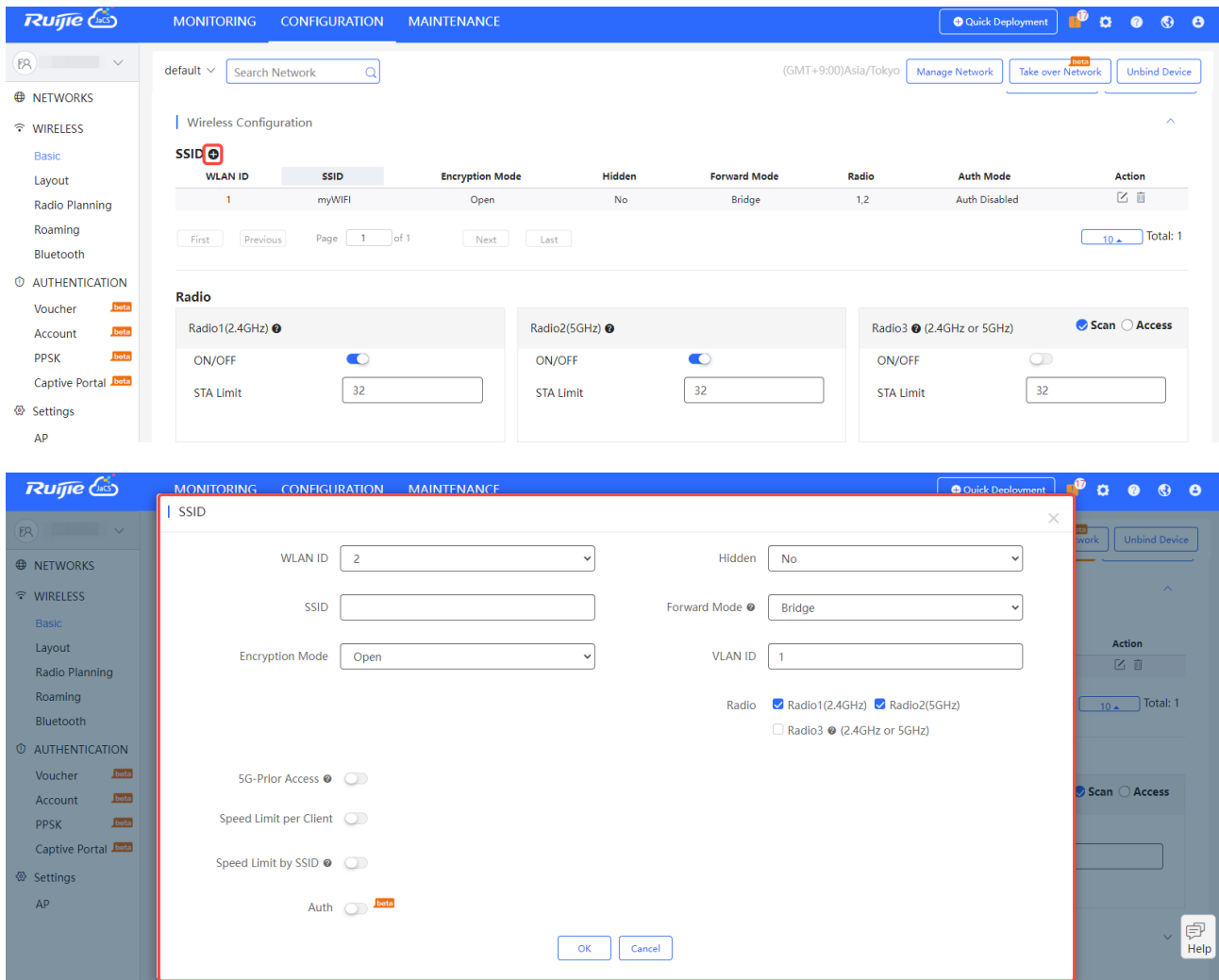
Click **Save** to configure the network.



On the **Basic** page, **Wireless**, **Security**, and **Advanced Settings** can be configured.

6.2.2.1 SSID

Click **+** in the upper left corner to add an SSID. In addition, the **SSID** page further enables you to configure the rate limit and the authentication function.



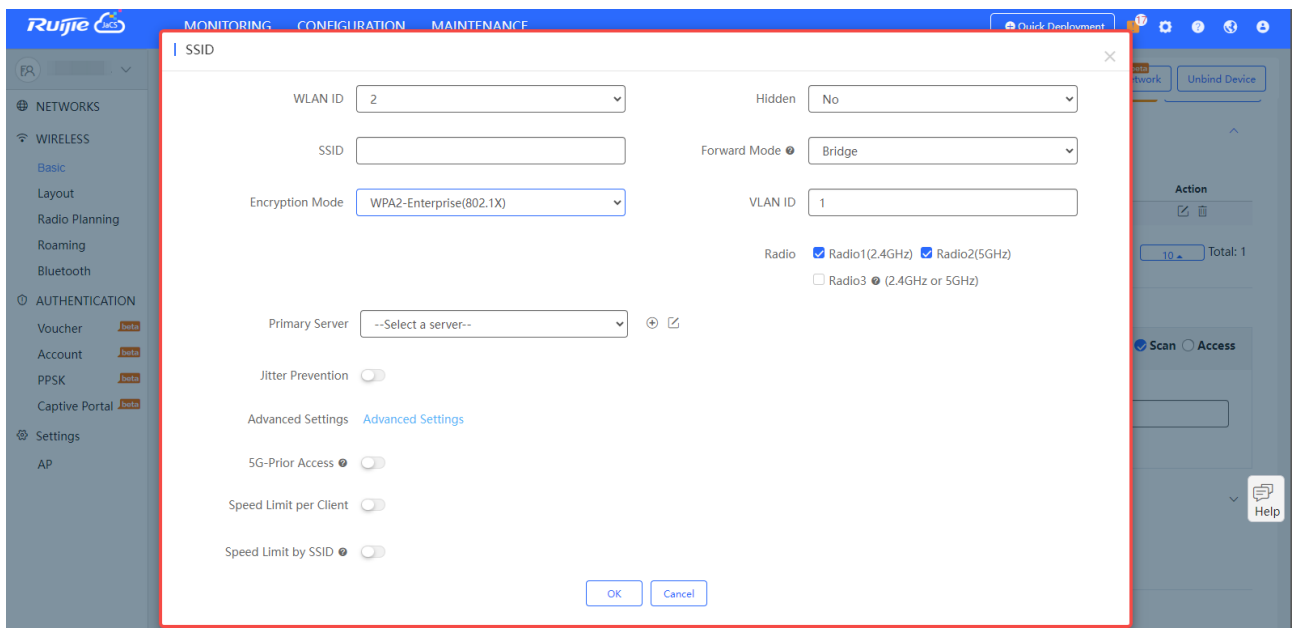
Parameters on the **SSID** page are defined as follows.


WLAN ID: Select a WLAN ID. An SSID matches a WLAN ID one-to-one. The WLAN ID can be specified only when an SSID is added and cannot be changed subsequently. The maximum value of **WLAN ID** is 16.

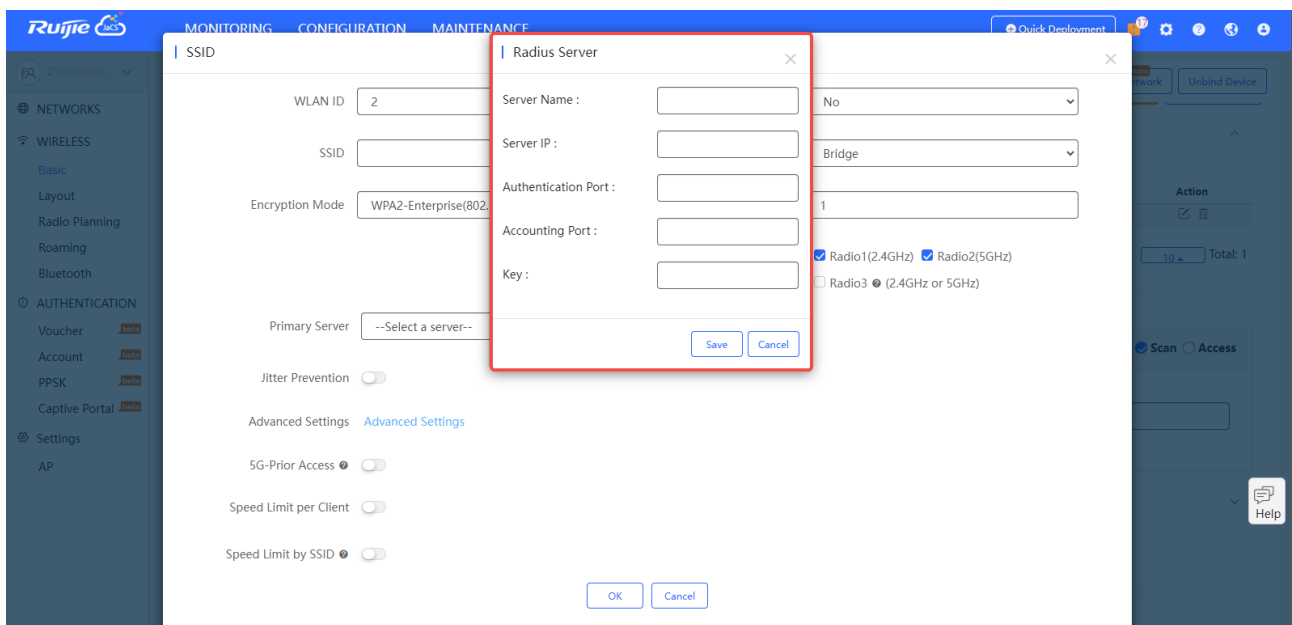
SSID: Enter an SSID name.

Encryption Mode: **Open**, **WPA-PSK**, **WPA2-PSK**, **WPA/WPA2-PSK**, **WPA2-ENTERPRISE (802.1X)**, **WPA3-PERSONAL**, **WPA2/WPA3-PERSONAL** and **PPSK**. **Open** indicates that no password needs to be configured; **WPA-PSK** or **WPA2-PSK** indicates that a password needs to be configured. **WPA2-Enterprise(802.1x)** indicates that the 802.1x authentication mode is adopted for the SSID. **PPSK** indicates that each terminal device is bound with a unique WiFi account and key. After the PPSK mode is selected, you need to configure your account in **CONFIGURATION>AUTHENTICATION>PPSK**.

If you select the **WPA2-Enterprise(802.1x)** mode, the following page is displayed.



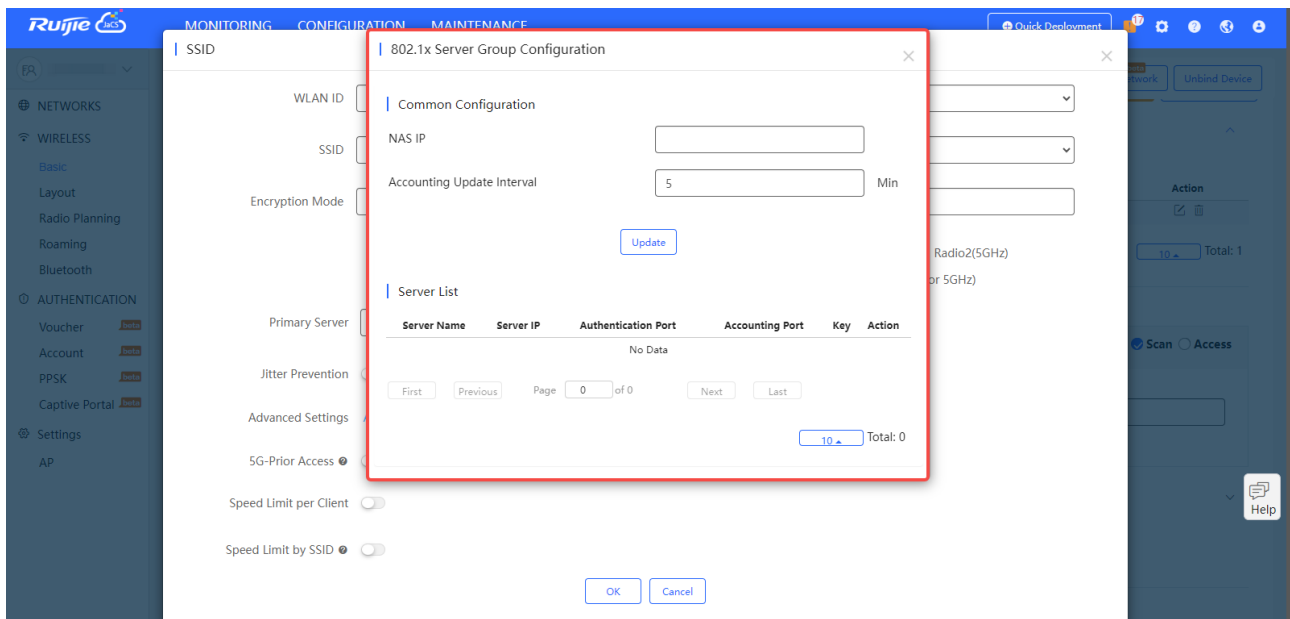
Click  to add an authentication server. A dialog box for a Radius server configuration is displayed, as shown in the following figure.



Server Name, **Server IP**, **Authentication Port**, **Accounting Port**, and **Key** can be configured for a RADIUS server. **Authentication Port** and **Accounting Port** are optional, and respectively set to the default values **1812** and **1813** if no values are entered.

The jitter prevention function can be configured in 802.1x authentication mode, as shown in the SSID configuration page with **Encryption Mode** set to **WPA2-Enterprise(802.1x)**. In case of jitters: after the jitter prevention function is enabled (the jitter prevention duration range is 0–600), clients will not go offline within the duration of jitter prevention. The default jitter prevention duration of an AP is 2 seconds. Note that the jitter prevention function may not be supported in earlier AP versions.

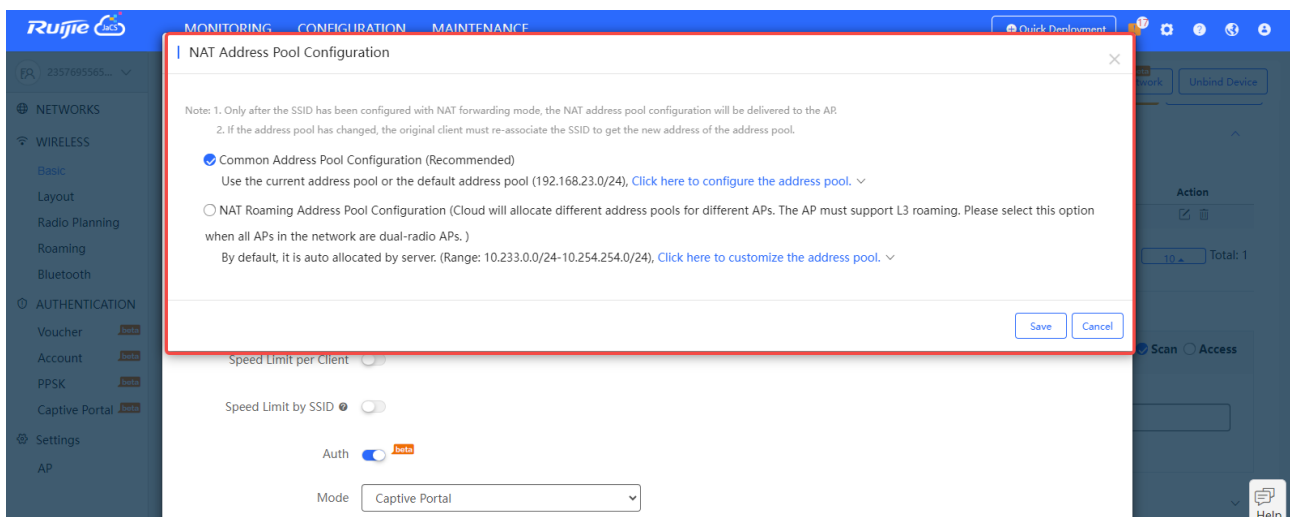
In addition, the **Advanced Settings** function is provided for 802.1x authentication. In **Advanced Settings**, the NAS IP address (available in the NAT environment) and accounting update period can be configured and the added authentication server can be managed.



Hidden: Specify whether to hide the SSID, which can be set to **Yes** or **No**.

Forward Mode: Select a forward mode of a wireless AP. **NAT** indicates that an IP address is allocated to a client by an AP; **Bridge** indicates that an IP address is allocated to a client by an AP's upstream device. A VLAN ID must be configured when the **Bridge** mode selected.

NAT Address Pool Configuration: Click the **NAT Address Pool Configuration** link to display the window.



5G-Prior Access: It is enabled when the SSID is associated with Radio 1 and Radio 2 for dual-band APs (2.4 GHz and 5 GHz) to ensure that clients supporting dual bands access the 5 GHz frequency band preferentially. This reduces the load in the 2.4 GHz frequency band and improves user experience.

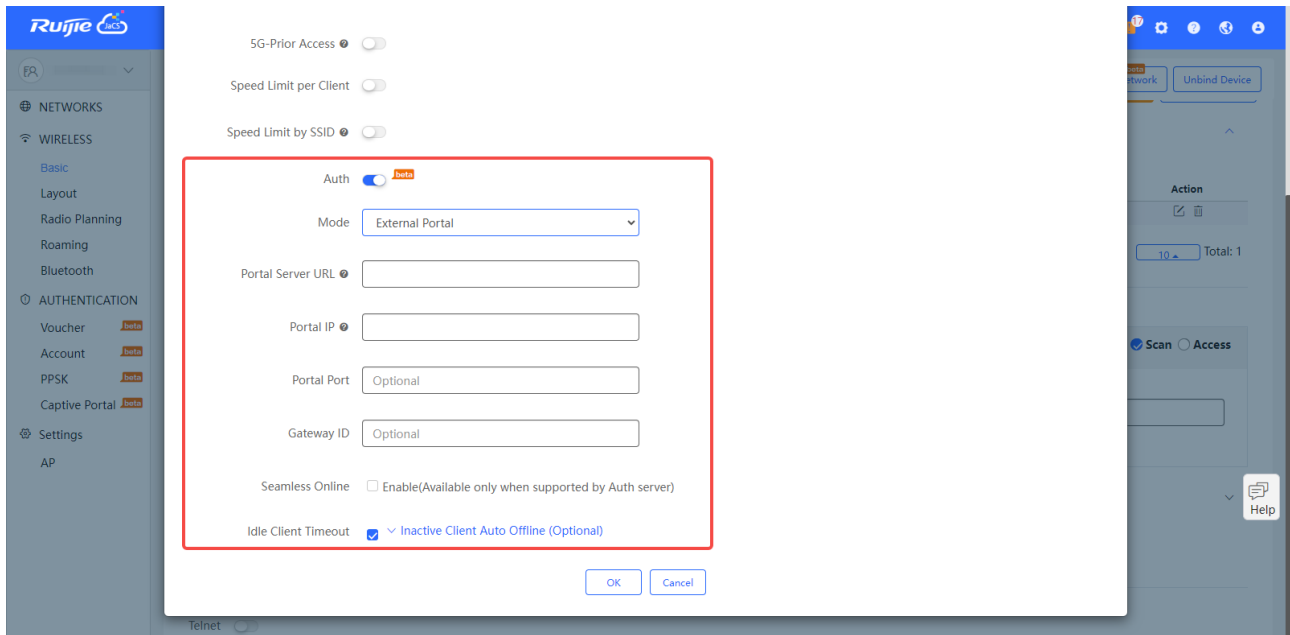
Speed Limit per Client: Specify whether to enable the speed limit function for a client. When this function is enabled, uplink and downlink speeds must be configured.

Speed Limited by SSID: Specify whether to enable the speed limit function for the SSID. When this function is enabled, uplink and downlink speeds must be configured.

Auth: Common APs support **External Portal** and **Captive Portal** authentication.

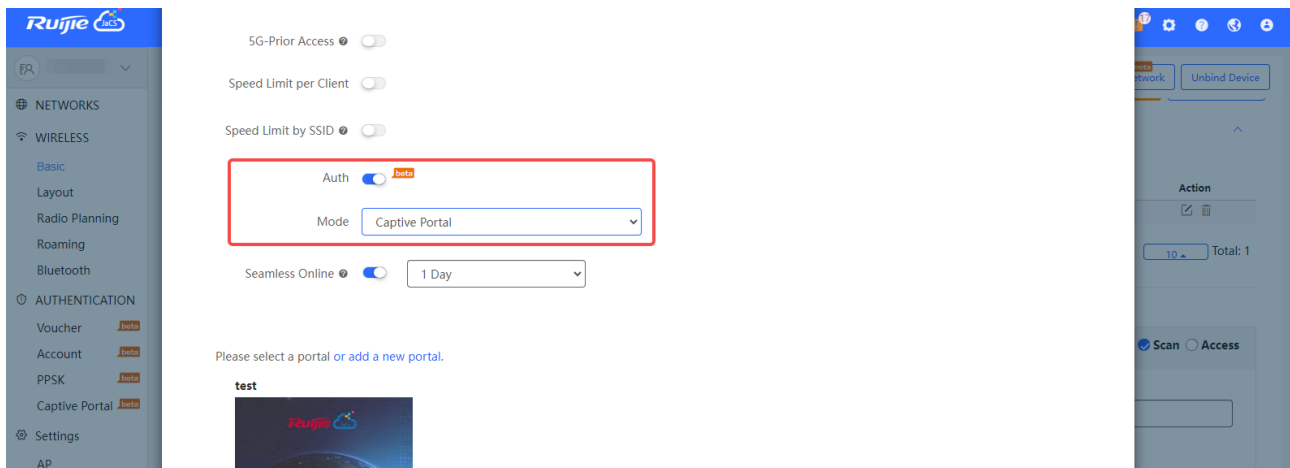
6.2.2.2 External Portal

To edit **SSID**, enable **Auth** and select **External Portal**. Enter the required information and click **OK**.

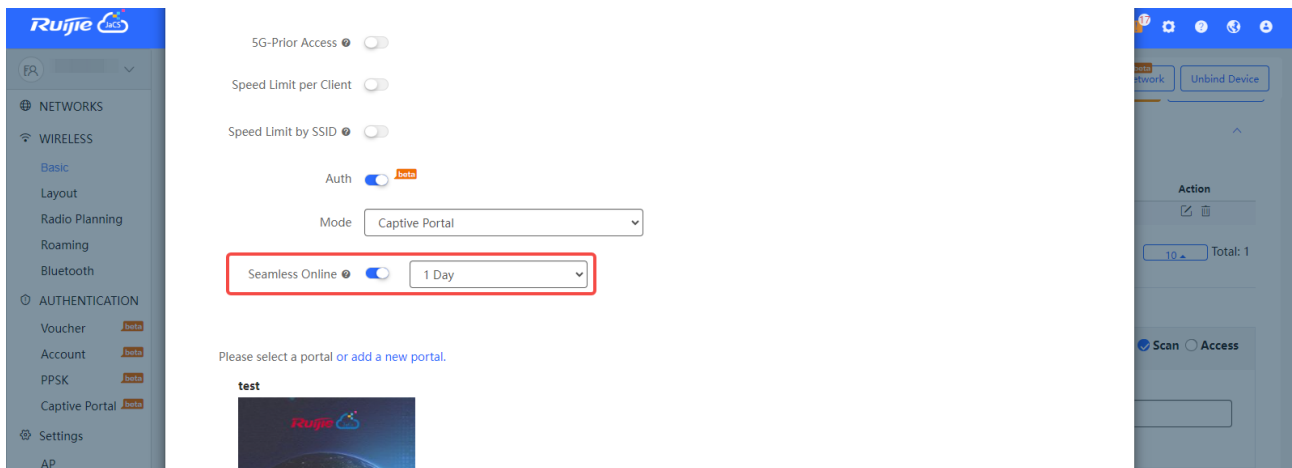


6.2.2.3 Captive Portal

Step 1: On the **SSID** page, enable **Auth** and select **Captive Portal**.

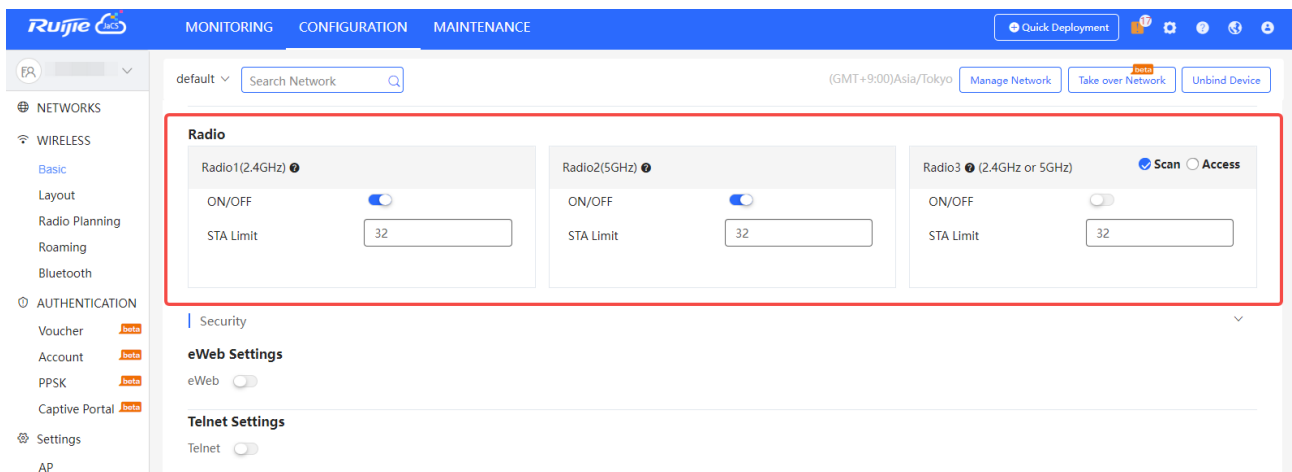


Step 2: Enable **Seamless Online** and select a portal or add new portal.



6.2.2.4 Radio


The Radio page enables you to configure the AP radio ports. As shown in Figure 4-4, the **Radio** page provides the **On/Off** and **Max Clients** items.



Parameters on the **Radio** page are defined as follows:

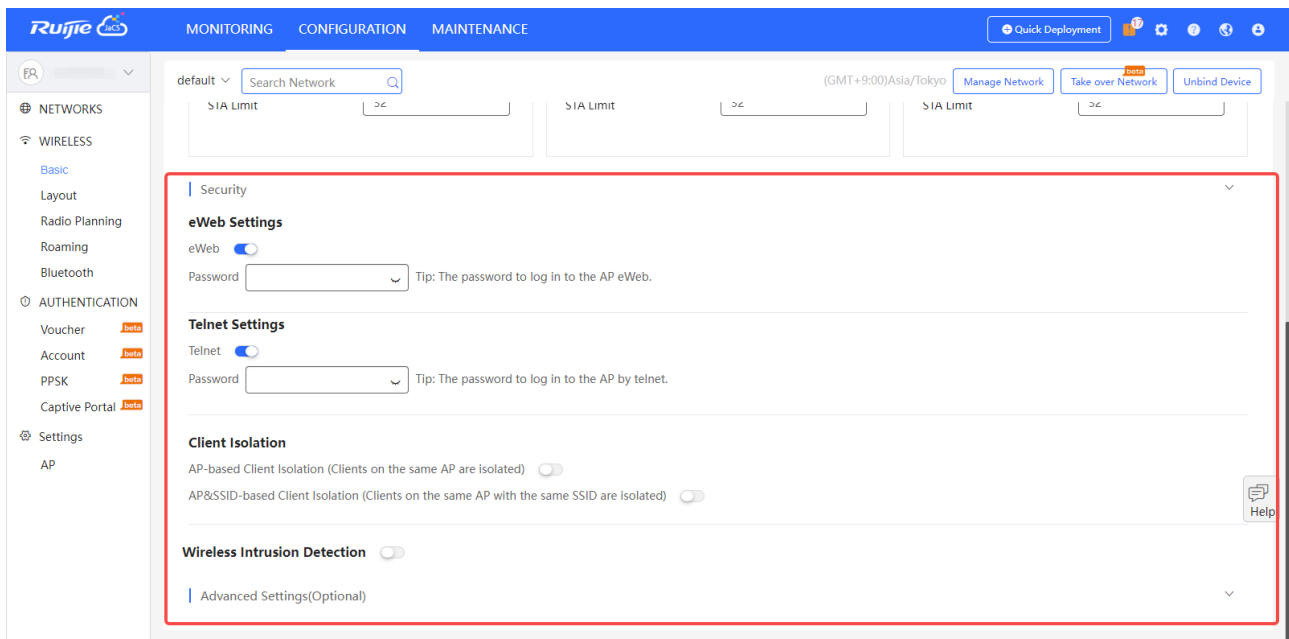
On/Off: Specify whether to enable the radio function. When it is set to **Off**, the SSID is invalid; the corresponding SSID can be used properly only when this function is set to **On**.

Max Clients: Enter the upper limit of associated clients in a frequency band.

 Deletion of radio configurations indicates that the system preserves the current configurations.

6.2.2.5 Security Configuration

As shown in the preceding figure, **eWeb Settings**, **Telnet Settings**, **Client Isolation**, and **Wireless Intrusion Detection** can be configured.



eWeb Settings: Enter the Web login password of an AP. When the password is empty, the system does not push the password to AP.

Telnet Settings: Enable the Telnet service of AP. When the Telnet service is enabled, the password is required.

Client Isolation: Clients are isolated without affecting their network access to ensure that they cannot communicate with each other, thereby ensuring client service security. AP-based client isolation or AP&SSID-based client isolation can be selected. If AP-based client isolation is enabled, all layer-2 clients associated with the same AP cannot communicate with each other. If AP&SSID-based client isolation is enabled, clients in the same WLAN on the same AP cannot communicate with each other.

Wireless Intrusion Attack Detection: Include DDOS attack detection, flooding attack detection, AP spoof attack detection, and weak IV attack detection. If this function is enabled, at least one of the preceding four detection functions needs to be enabled.

6.2.2.6 Advanced Settings

● AP RF Scheduling

If **AP RF Scheduling** is disabled, AP will broadcast the SSID.

To specify the time of turning on/off WiFi, enable **RF Shutdown Scheduling** and configure the period.

The screenshot shows the Ruijie configuration interface with the 'CONFIGURATION' tab selected. The left sidebar lists various settings categories: NETWORKS, WIRELESS, AUTHENTICATION, and Settings. The 'WIRELESS' section is expanded, showing 'Basic', 'Layout', 'Radio Planning', 'Roaming', and 'Bluetooth'. The 'Basic' sub-section is selected, displaying 'AP-based Client Isolation' and 'AP&SSID-based Client Isolation' options. The 'Advanced Settings(Optional)' section is expanded, showing 'Wireless Intrusion Detection' and 'AP RF Scheduling'. The 'AP RF Scheduling' section is highlighted with a red box, containing 'RF Shutdown Scheduling' and a 'Whitelist' table. The 'Whitelist' table has columns for 'Address', 'Description', and 'Action'. It shows 'No Data' and a 'Total: 0' count. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a '5' button. A 'Facebook' checkbox is visible in the top right of the table area. A 'CLI Command' section is also visible below the 'Whitelist' section, with a 'Model' column and 'No Data' entry.

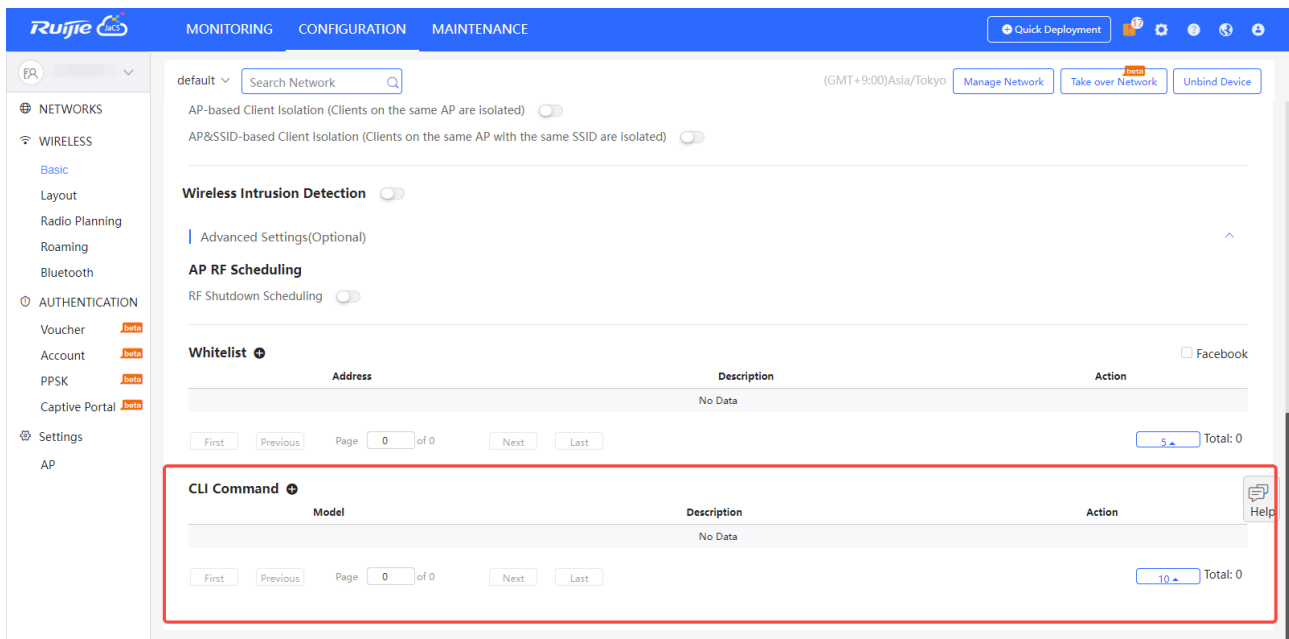
Whitelist

Enter whitelisted websites, and websites that can be accessed directly without authentication. For Facebook social login, you need check on Facebook Whitelist so that clients can access Facebook API before authentication.

This screenshot is identical to the one above, showing the Ruijie configuration interface with the 'Whitelist' section highlighted. It displays the 'Whitelist' table with columns for 'Address', 'Description', and 'Action', showing 'No Data' and a 'Total: 0' count. The 'Facebook' checkbox is visible in the top right of the table area. The 'CLI Command' section is also visible below the 'Whitelist' section.

CLI Command

Enter commands to be pushed to APs. This function allows you to perform some configurations unsupported via CLI commands.

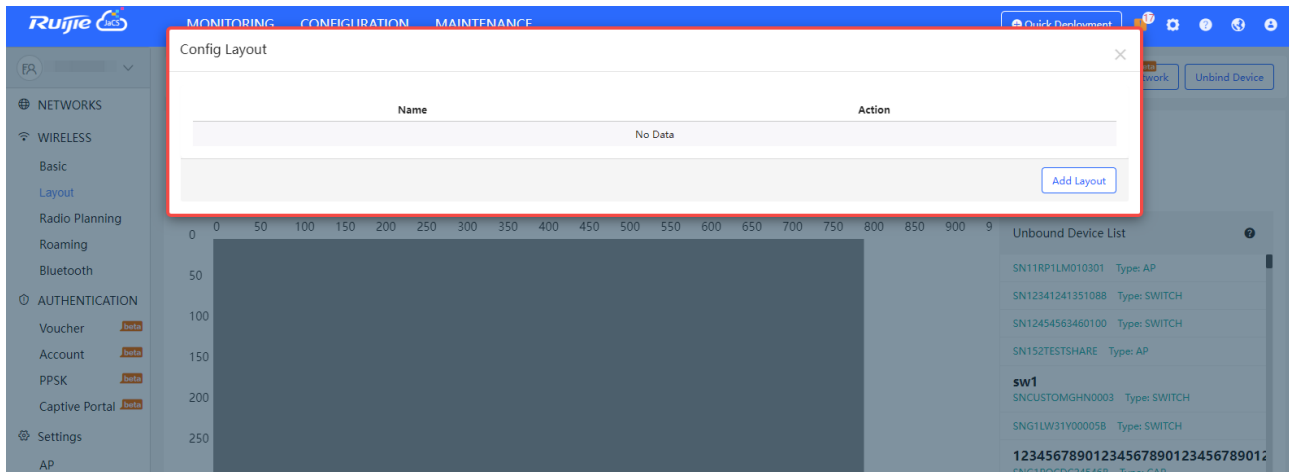


6.2.3 Layout (Non-apartment Scenario)

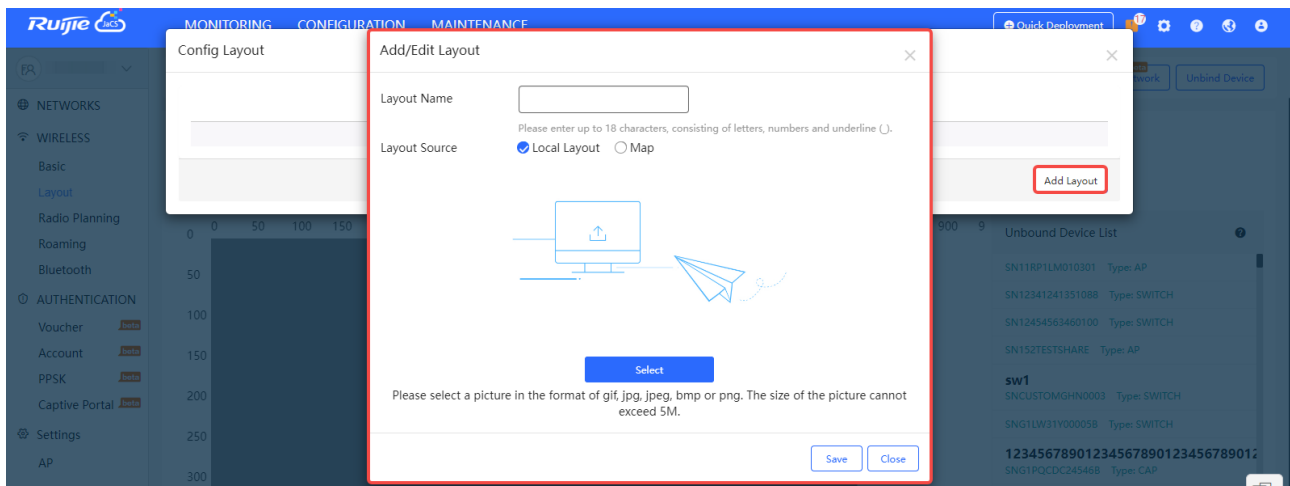
On the Layout page, you can bind an AP to a specific location after importing it to a network.

Step 1: Select a network.

The **Unbound Device List** on the right displays APs that have been imported to the network, but are not bound to a location. Click **Config Layout** to display the list.



Step 2: Click **Add Layout** to add the local layout or map layout. The local layout can be used to bind the location of indoor APs and the map layout can be used to bind the location of outdoor APs.



Step 3: Select an AP from in the unbound AP list and drag it to the target location.



6.2.3.1 Unbind APs

AP unbinding is different from AP deletion. AP unbinding removes the binding relation between an AP and a location, but the AP still exists in the network and can be controlled. AP deletion deletes an AP from a network and the AP cannot be controlled after being deleted.

The unbinding methods are:

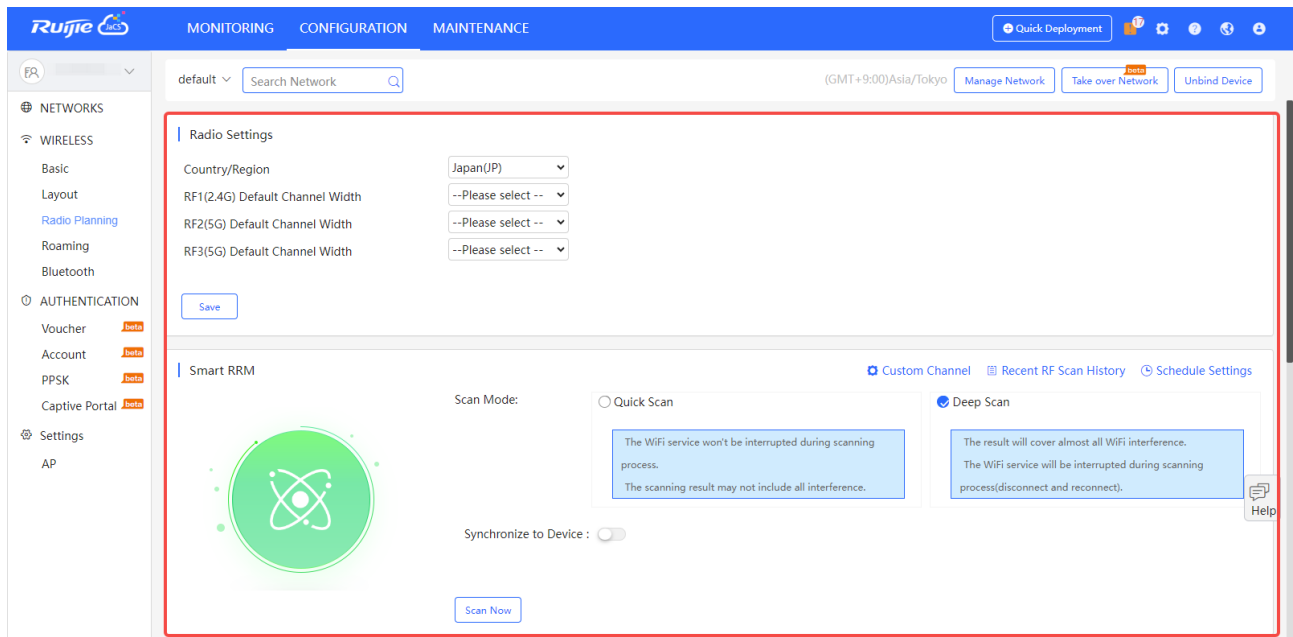
Method 1: Select an AP, and click **Remove Device** to unbind the AP from a location. An unbound AP will then be moved from a network to its parent network.

Method 2: If a location is already bound to an AP, you can drag another AP to the location to replace the old AP.

6.2.4 Radio Planning (Non-apartment Scenario)

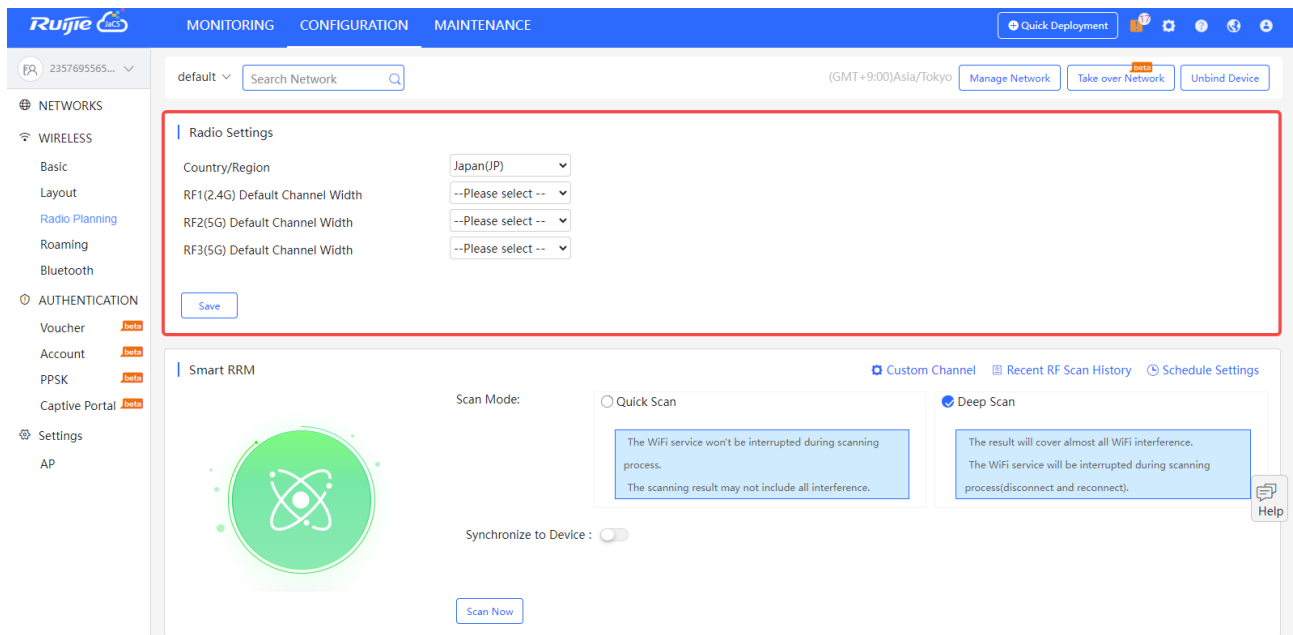
Radio planning can adjust channels and power of APs in a same area network to optimize the channel allocation and power of the APs. Proper RF configuration planning can reduce channel interference, increase channel utilization and improve overall wireless network performance and capacity.

Choose **CONFIGURATION > WIRELESS > Radio Planning** to open the **Radio planning** page. Both manual and automatic planning are currently supported.



6.2.4.1 Radio Settings

On the **Radio Settings** page, select the country and bandwidth.



For 2.4G channels, the bandwidth can be 20 or 40 MHz. For 5G channels, the bandwidth can be 20, 40, 80, or 160 MHz.

6.2.4.2 Automatic RF Planning

The automatic RF planning function allows the cloud to calculate the optimal channel configurations and power values for APs by using the radio resource management (RRM) algorithm according to RF information collected by each AP. Optimal recommended configurations can be applied to the APs.

The entire process of the automatic RF planning includes three parts:

- The cloud triggers APs to scan and upload RF information.
- The cloud calculates the optimal recommended configurations.
- The optimal recommended configurations are applied to the APs.

The automatic RF planning supports network-based planning only.

The AP RF channel optimization algorithm staggers RF channels of neighboring APs respectively based on the 2.4 GHz frequency band and the 5 GHz frequency band while ensuring as much as possible that original configurations are unchanged. To reach optimal power, The AP power optimization algorithm automatically increases or decreases the RF power for an AP according to the co-channel interference.

After a network is selected on the RF planning page, a page for automatic RF scanning and planning of the network is displayed. On this page, the APs of a network can be triggered to scan the RF, display recommended RF configurations calculated after scanning, and save the recommended RF configurations to APs.

The screenshot displays the Ruijie Cloud Management System interface. The left sidebar shows the navigation menu with 'WIRELESS' > 'Radio Planning' selected. The main content area is divided into two sections:

- Recent RF Scan History:** A table with columns: Triggered at, RRM Analysis at, Updated at, Scan Mode, Status, Apply, Task, Result, and Action. The table is currently empty, showing 'No Data'. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a 'Total: 0' indicator.
- Manual Planning:** A section with tabs for 'List', 'Layout', and 'Batch Config'. It contains a table with columns: SN, MAC, Device Name, and three radio configuration groups (Radio 1(2.4G), Radio 2(5G), Radio 3(5G)). Each radio group has sub-columns for Channel and Power. The table shows two devices: 11RP1LM010301 and 152TESTSHARE, both with 'Not Configured' status for all channels. Below the table are pagination controls: 'First', 'Previous', 'Page 1 of 1', 'Next', 'Last', and a 'Total: 2' indicator.

On the right side, there is a 'Config Details' panel showing settings for 'Radio 1(2.4Ghz)', including 'Channel' (Not Configured) and 'TX Power'.

The **Recent RF Scan History** page displays historical records of automatic RF scanning and planning. Each record shows triggering information got each time, including the automatic RF planning status, the start time, the end time, the status (Initializing/Scanning/RRM analysis/Finish/Failure), whether to apply to the APs, and the running logs.

Smart RRM

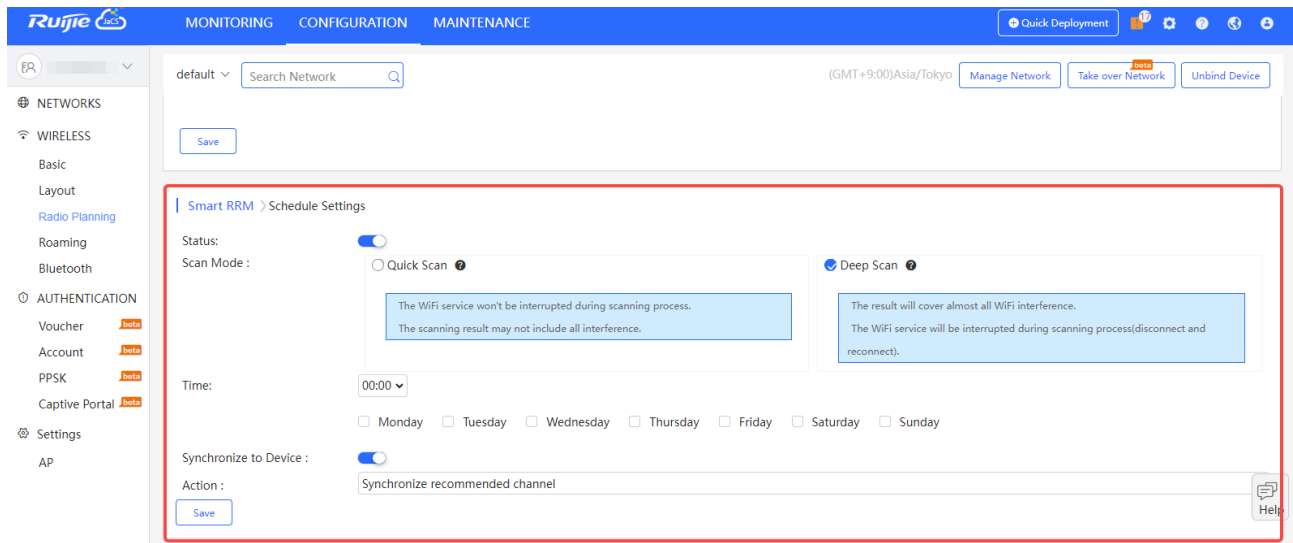
The screenshot displays the 'Smart RRM' configuration page in the Ruijie Cloud Management System. The left sidebar shows the navigation menu with 'WIRELESS' > 'Radio Planning' selected. The main content area is divided into two sections:

- Smart RRM:** A section with a large green circular icon containing a stylized atom. It includes a 'Scan Mode' section with two options: 'Quick Scan' (selected) and 'Deep Scan'. Below the 'Scan Mode' section is a 'Synchronize to Device' toggle switch. A 'Scan Now' button is located at the bottom.
- Custom Channel:** A section with a 'Recent RF Scan History' link and a 'Schedule Settings' link. It contains two informational boxes:
 - Quick Scan:** 'The WiFi service won't be interrupted during scanning process. The scanning result may not include all interference.'
 - Deep Scan:** 'The result will cover almost all WiFi interference. The WiFi service will be interrupted during scanning process(disconnect and reconnect).'

There are two execution modes: immediate and periodic. Click **Scan Now**, and the cloud triggers RF scanning. Data will be uploaded after scanning.

● Schedule Settings

On the **Schedule Settings** page, **Periodic Execution** can be enabled.



i When a periodic task is triggered, this periodic task is automatically canceled if the network is already in a scanning triggered state (for example, immediate execution is being triggered).

● Related parameters

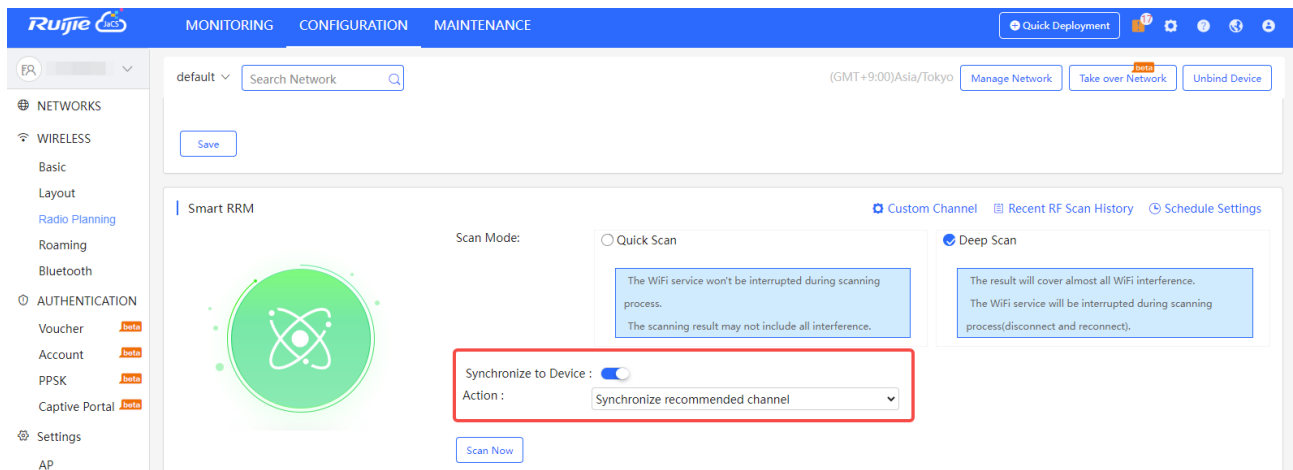
(1) Scan Mode

Quick Scan: This mode enables APs to provide the WiFi service properly during scanning. However, data acquired in this mode is not as accurate as that in the **Deep Scan** mode. The calculation result based on the data in this mode is less accurate than that in the **Deep Scan** mode. This mode is applied when it is expected that the current network is not affected.

Deep Scan: This mode is also referred to as the enhanced mode, and causes wireless clients to go offline at the beginning and ending of the scanning. Data acquired in this mode is more accurate than that in the **Quick Scan** mode, and the automatic RF planning based on the data is more accurate. This mode shall be applied at the initial stage of the overall network planning or when disadvantages of this mode are tolerable.

(2) Synchronize to Device

If this function is enabled, the RF scanning result will be automatically pushed to the AP. In this case, skip step 3.



i If an AP has been bound to a location and has been synchronized with RF configurations of the location. This operation will remove the RF synchronization between the location and the AP, and push the selected recommended optimization configurations to the AP.

6.2.4.3 Manual Planning

Click a network on the left to open the manual RF planning page. The **Radio Select** drop-down list above the diagram lets you select an RF type (2.4 GHz/5 GHz) to display. The number inside the location icon indicates the current channel, and a range displayed when the cursor stays on the location icon indicates a power percentage.

Manual Planning

List **Layout** Layout: Local_Layout Radio Select: 2.4G [Batch Config](#)



Configure Detail

SN: G1KD14GC00081
Country: China(CN)

- Radio 1(2.4Ghz)

Channel: 3

TX Power: 100 %
- Radio 2(5Ghz)

Channel: 149

TX Power: 100 %
- Radio 3(5Ghz)

Channel: Not Configured

TX Power: %

i The RF channel or power data is not displayed during configuration.

You can click a location icon to display the RF channel and power configurations on the right. If the location is bound to an AP, the SN of the bound AP is also displayed.

To perform manual RF planning:


- Set the RF configurations of a location in one of the following ways:

- Configure one location

Click a location icon, enter configurations on the right, and click **Apply**.

Manual Planning

[List](#) [Layout](#) Layout: Local_Layout Radio Select: 2.4G [Batch Config](#)



Configure Detail

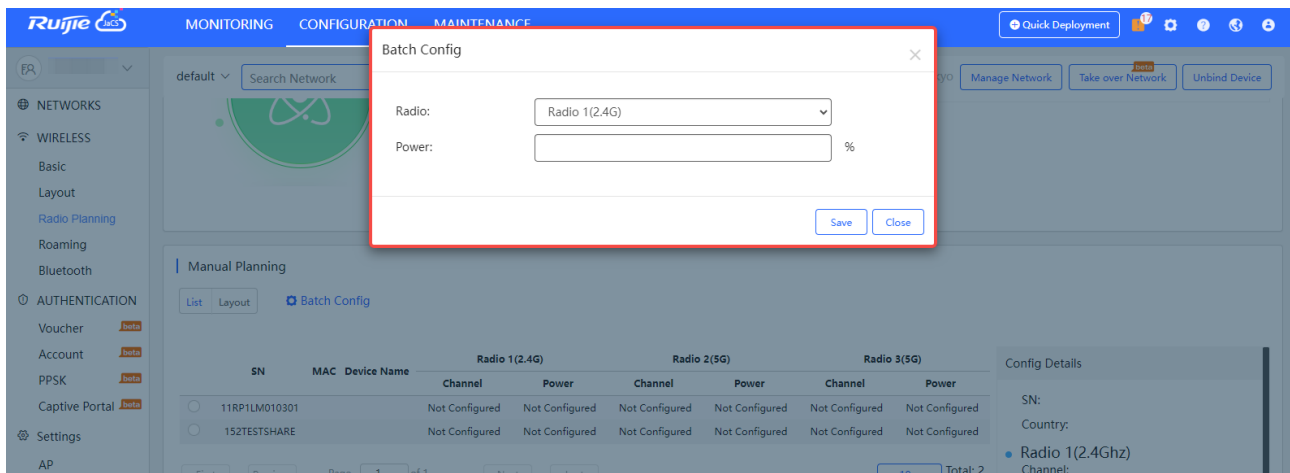
SN: G1KD14GC00081
Country: China(CN)

- Radio 1(2.4Ghz)**
Channel: 3
TX Power: 100 %
- Radio 2(5Ghz)**
Channel: 149
TX Power: 100 %
- Radio 3(5Ghz)**
Channel: Not Configured
TX Power: %

● Configure locations in batches

This function is used to configure the RF channel and power for a large batch of locations, and is suitable for a scenario with many locations on a network.

Click [Batch Config](#) above the location diagram to uniformly configure the power percentage for all locations on a network.





SN	MAC	Device Name	Radio 1(2.4G)		Radio 2(5G)		Radio 3(5G)	
			Channel	Power	Channel	Power	Channel	Power
11RP1LM010301			Not Configured	Not Configured	Not Configured	Not Configured	Not Configured	Not Configured
152TESTSHARE			Not Configured	Not Configured	Not Configured	Not Configured	Not Configured	Not Configured

2. Synchronize the RF configurations of the location to a bound AP.

Click [Apply](#) above the location diagram to synchronize the RF configurations of the corresponding location to the bound AP.

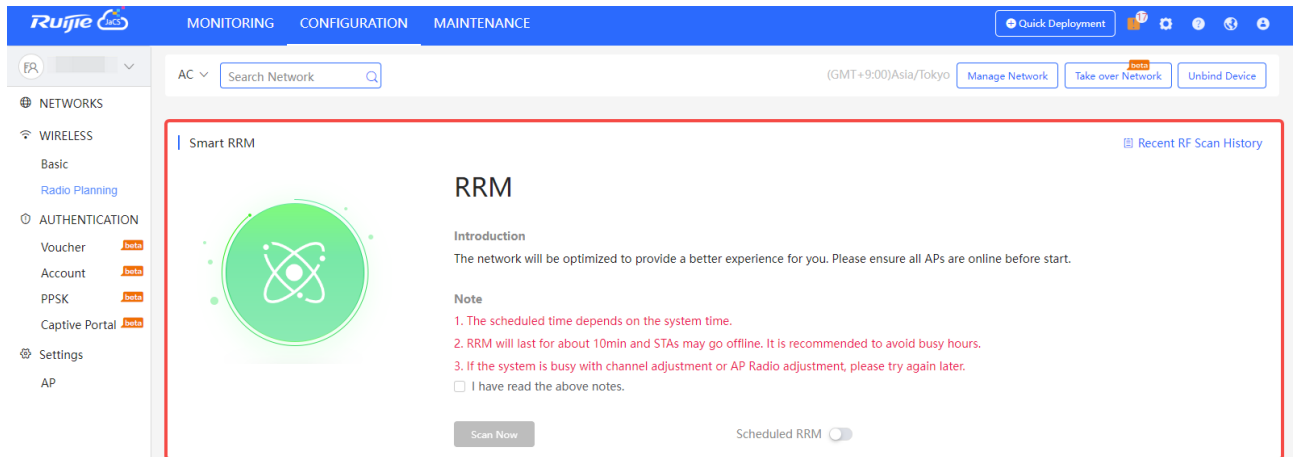
Batch operations for multiple locations can be select before clicking [Apply](#).

After the synchronization is successful,  is displayed in the lower right corner. At this point, the configurations of the location are synchronized to the bound AP.

 If an unbind or bind operation is performed, RF configurations are removed from or synchronized to the AP.

6.2.4.4 AC Smart RRM

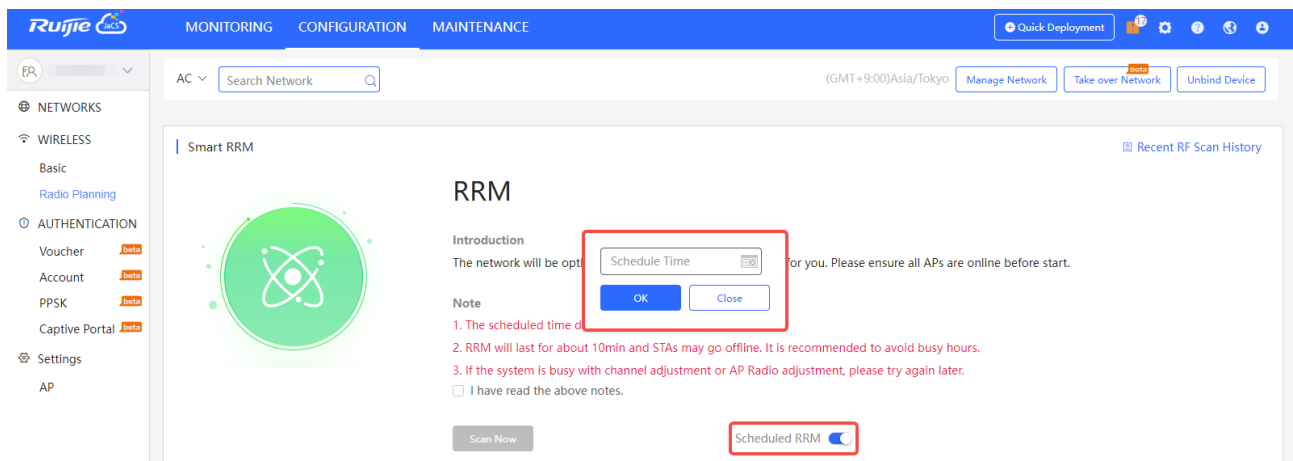
In the AC network, click **Radio Planning** to open the **Smart RRM** page.



Check the note, click **Scan Now** to start RRM. The whole process takes about 10 to 15 minutes.



Enable **Scheduled RRM** to configure the time, and RRM will start at the set time.

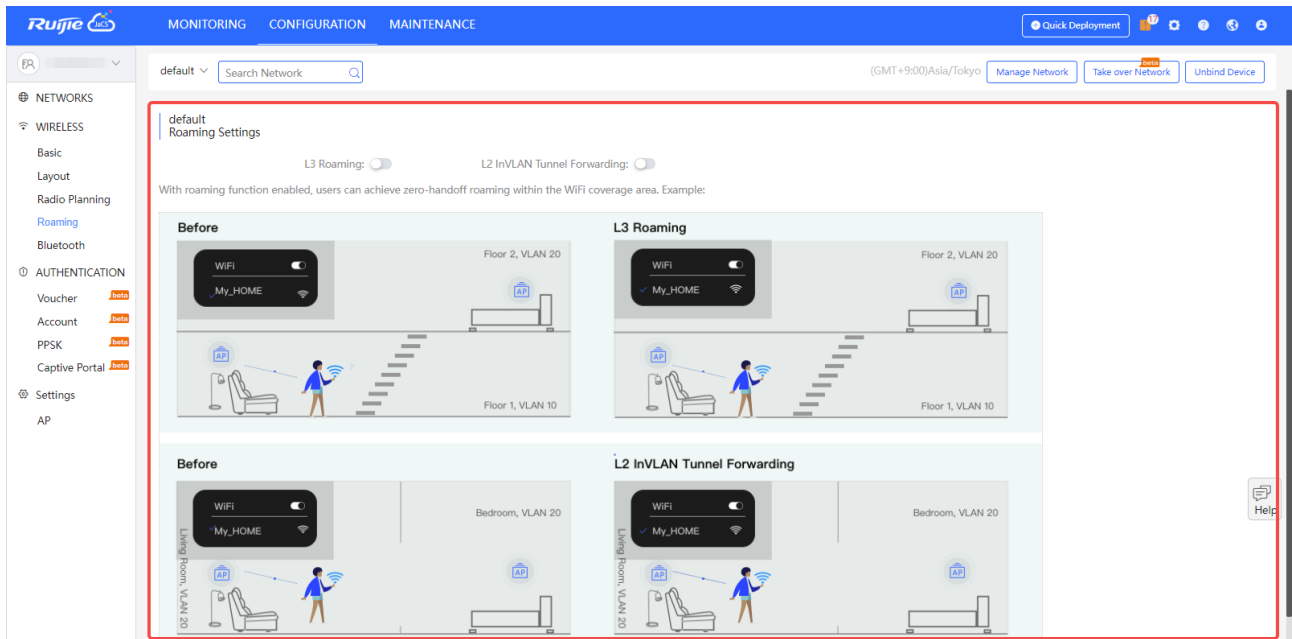


6.2.5 Roaming (Non-apartment Scenario)

Roaming planning refers to enabling network-based roaming.

L3 Roaming: Specify whether to enable Layer3 Roaming. It is enabled by default.

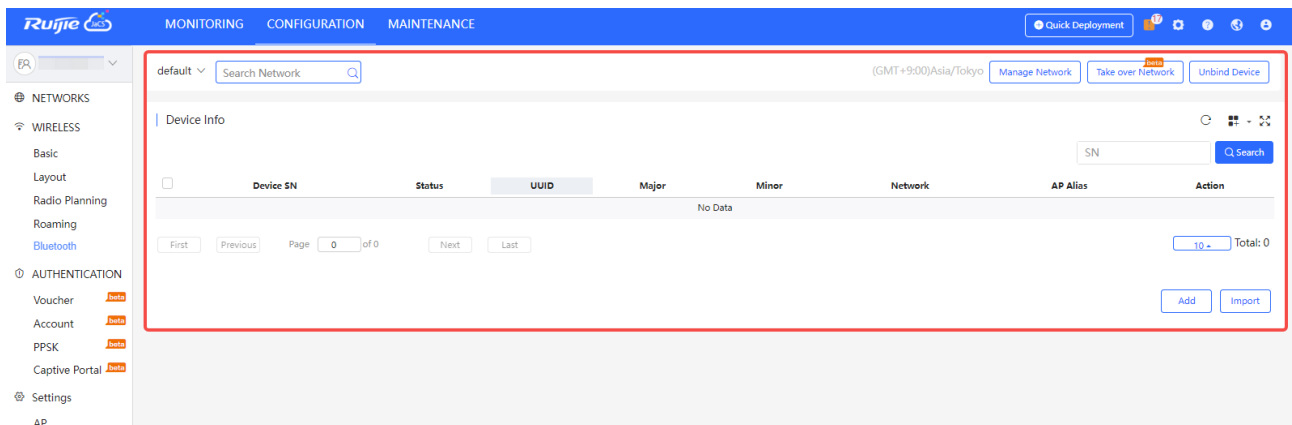
L2 InVLAN Tunnel Forwarding: Specify whether to enable Layer2 Roaming. It is enabled by default.



i For wireless roaming, SSID signals must be consistent; otherwise, roaming may fail.

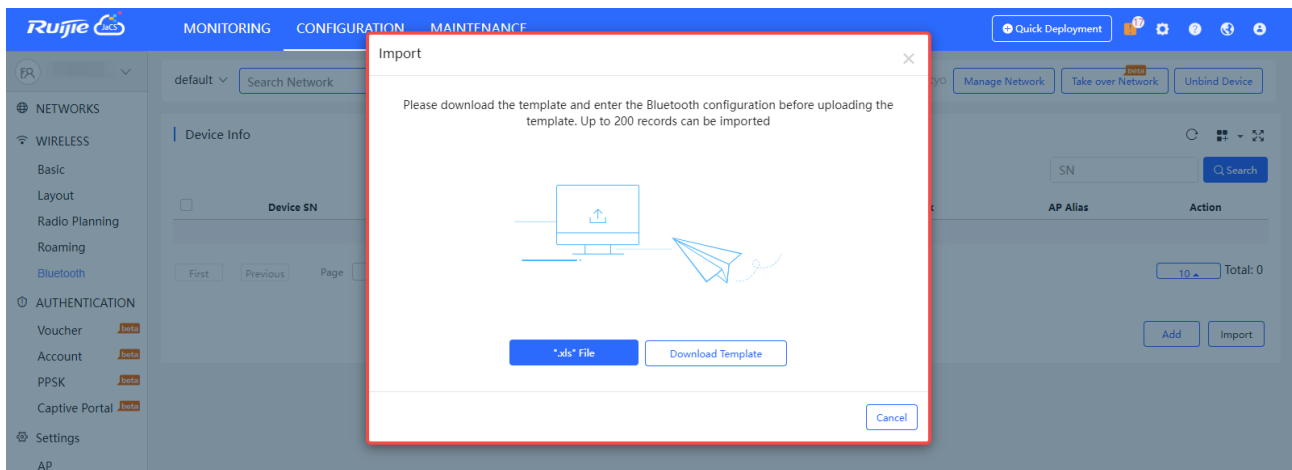
6.2.6 Bluetooth (Non-apartment Scenario)

You can batch import, add, change and delete the Bluetooth configuration.



● Bluetooth configuration import

Click **Import**. The **Import** dialog box is displayed. For initial use, you can click **Download Template** in the lower right corner to download an EXCEL file corresponding to APs in the current network and set corresponding parameters in the file.



Requirements for the **UUID**, **Major**, and **Minor** parameters are:

UUID: Enter a string of 32 characters in hexadecimal format.

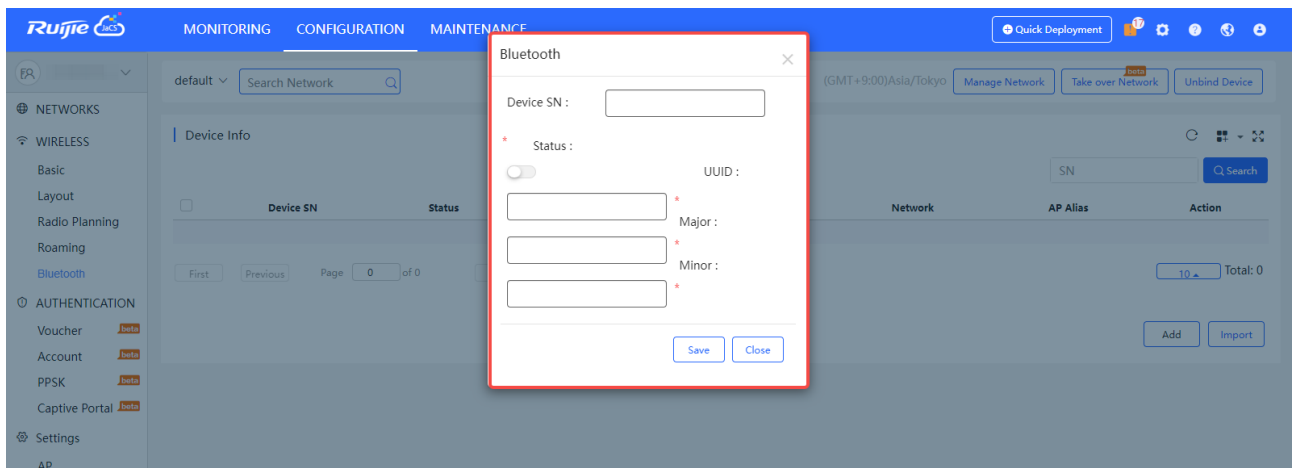
Major: Enter a string of 4 characters in hexadecimal format.

Minor: Enter a string of 4 characters in hexadecimal format.


After the parameters in the EXCEL file are configured, click **'*.xls' File** to import the file. A prompt will be displayed if an exception occurs during the import.

- Bluetooth configuration adding for a single AP

Click **Add**. The Bluetooth dialog box is displayed, as shown in the following figure. Specify the parameters as required to add a Bluetooth configuration for one AP and click **Save**. If a Bluetooth configuration is already configured for the AP, the existing Bluetooth configuration will be updated.



- Bluetooth configuration modification for a single AP

Click the  icon. The **Bluetooth** dialog box is displayed, as shown in the preceding figure. Modify the required parameters and click **Save**.

6.3 Authentication

6.3.1 Voucher Authentication

Voucher authentication on Ruijie JaCS allows you to charge users for wireless network access using access codes. Concurrent users, time period and data quota limit can be customized and offered to your guests.

6.3.1.1 Configuration Steps

Step 1: Enable **Voucher** function in the **Captive Portal** mode of **SSID** under the corresponding network.

Step 2: Select **CONFIGURATION > AUTHENTICATION > Voucher**.

Step 3: Select **Manage Package > Add Package** to define a voucher type for your guests.

The screenshot shows the 'Add Package' dialog box in the Ruijie JaCS interface. The dialog is titled 'Add Package' and has a close button (X) in the top right corner. It contains the following fields and options:

- Package Name: Text input field.
- Description: Text input field.
- Price: Text input field.
- Concurrent Devices: Dropdown menu set to 3.
- Bind MAC: Toggle switch (unchecked).
- Period: Dropdown menu set to 30 Minutes.
- Data Quota: Dropdown menu set to 100 MB.
- Download Speed: Dropdown menu set to Unlimited.
- Upload Speed: Dropdown menu set to Unlimited.
- Buttons: OK and Cancel.

Step 4: Click **OK** and go back to the **Voucher** page and click **Print Voucher**.

The screenshot shows the 'Voucher' page in the Ruijie JaCS interface. The page has a sidebar with navigation options: NETWORKS, WIRELESS, AUTHENTICATION, and Settings. The main content area is titled 'Voucher' and includes a search bar and a table of vouchers. The table is currently empty, showing 'No Data'. There are buttons for 'Print Voucher', 'Manage Package', and 'More' at the top left of the table area. The page also displays statistics: Total Vouchers: 0, Activated Vouchers: 0, and Depleted Vouchers: 0.

Step 5: Select the way you want to print voucher codes and enter the quantity if you select **Multiple Vouchers**.

Quantity

Package

Print Method

Description: 1
Price: -
Concurrent Devices: 3
Bind MAC: No
Period: 30 Minutes
Data Quota: 100 MB
Download Speed: Unlimited
Upload Speed: Unlimited

Step 6: Click the **Print** button.

6.3.1.2 Bind/Unbind MAC

If **Bind MAC** is enabled for the package, the voucher code used by a device will be bound with its MAC address. The number of bound MAC can be set in **Max Concurrent Devices**. When the **Status** is **Activated** or **Depleted**, you can click



in the **Bind MAC** column to unbind MAC addresses.

Voucher Code	Alias	Package Name	Price	Period	Created at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
d2p66c	1	123	-	30 Minutes	2021-05-08 15:23:22	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
cp2x4u	1	123	-	30 Minutes	2021-05-08 14:41:31	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
7urnzd	Test01	123	-	30 Minutes	2021-04-26 18:08:46	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
pwb3pu	2	xx	5.00	30 Minutes	2021-04-26 18:00:35	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
8okxvg	1	xx	5.00	30 Minutes	2021-04-26 17:59:44	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
gyvf5	1	xx	5.00	30 Minutes	2021-04-26 17:53:44	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
iq8t4	eeee	123	-	30 Minutes	2021-04-12 20:34:11	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
i4q27j	33	xx	5.00	30 Minutes	2021-04-08 17:47:49	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
g4wqew	22	r5	2.00	30 Minutes	2021-04-08 17:39:28	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
ny55x3	44	r5	2.00	30 Minutes	2021-04-08 17:35:50	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated

Bound MAC Address List

MAC	Bound at	Total Online Time	Total Traffic	Action
acc1.ee5f.4429	2019-07-04 18:47:49	2d 21h 51m 0s	24.08M	-

6.3.1.3 More

The screenshot shows the 'Voucher' management page in the Ruijie configuration interface. The 'More' dropdown menu is open, showing four options: 'Delete', 'Print in 1 Column (A4)', 'Print in 2 Columns (A4)', and 'Print on POS Receipt'. The background table lists various vouchers with columns for Voucher Code, Price, Period, Created at, Expired at, Devices, Bind MAC, Data Usage, Download Speed, Upload Speed, and Status.

Voucher Code	Price	Period	Created at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
d2p66c	-	30 Minutes	2021-05-08 15:23:22	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
cp2x4u	-	30 Minutes	2021-05-08 14:41:31	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
7urnzd	-	30 Minutes	2021-04-26 18:08:46	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
pwb3pu	2	xx	2021-04-26 18:00:35	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
8okxvg	1	xx	2021-04-26 17:59:44	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
cyyvf5	1	xx	2021-04-26 17:53:44	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
iq8t4	eeee	123	2021-04-12 20:34:11	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
ihq27j	33	xx	2021-04-08 17:47:49	-	0/5	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
g4wqew	22	r5	2021-04-08 17:39:28	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
ny55x3	44	r5	2021-04-08 17:35:50	-	0/3	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated

Item	Description
Delete	Delete the selected Vouchers
Print in 1 Column(A4)	Printed Vouchers will be displayed in the same column
Print in 2 Columns(A4)	Printed Vouchers will be displayed in two columns
Print on POS Receipt	Suitable for printing on POS receipts

6.3.2 Account Authentication

Account authentication requires the valid account and password. Concurrent users, time period and data quota limit can be customized and offered to your guests.

6.3.2.1 Configuration Steps

Step 1: Enable **Captive Portal** in the **SSID** page, and select a template with Account Authentication.

Step 2: Select **CONFIGURATION > AUTHENTICATION > Account**.

Step 3: Select **Manage Profile > Add Profile** to define an account type for your guests.

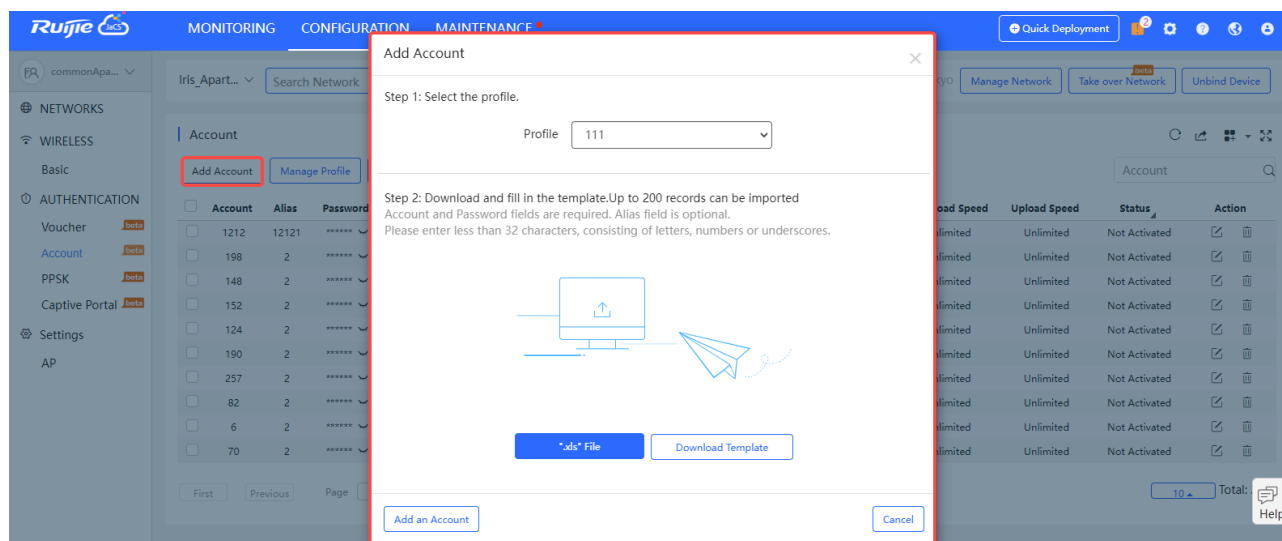
The screenshot shows the 'Add Profile' dialog box in the Ruijie configuration interface. The dialog box contains the following fields and values:

- Profile Name: (empty)
- Description: (empty)
- Concurrent Devices: 3
- Period: 30 Minutes
- Data Quota: 100 MB
- Download Speed: Unlimited
- Upload Speed: Unlimited

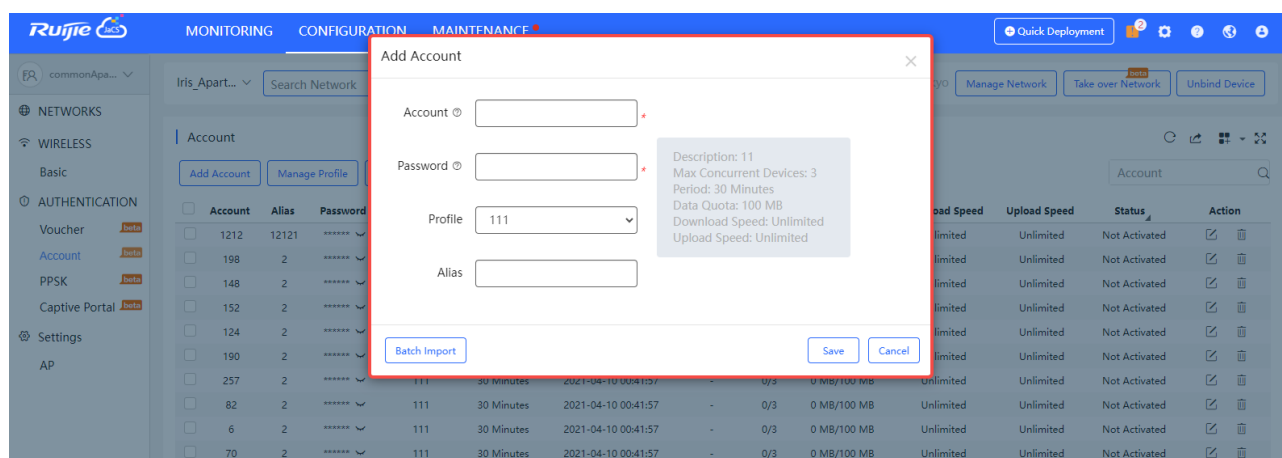
The background shows the 'Account > Manage Profile' page with a table of profiles.

Profile Name	Download Speed	Upload Speed	Action
111	Unlimited	Unlimited	[Edit] [Delete]

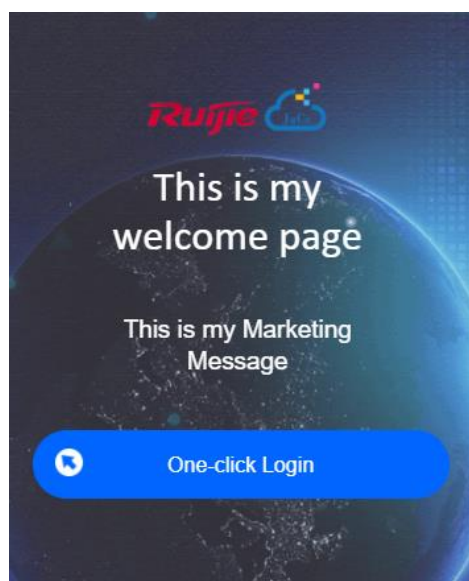
Step 4: Click **OK** and go back to the **Account** page and click **Add Account**.



Step 5: Click **Add an Account** to enter the account, password and select the profile, and then click **Save**.



Step 6: Connect to the SSID, select **Account Login** in the pop-up page, enter the account and password created in the last step, and click **Login**.



6.3.2.2 More

Account	Alias	Name	Period	Created at	Expired at	Devices	Data Usage	Download Speed	Upload Speed	Status	Action
1212	1212	111	30 Minutes	2021-04-10 00:46:38	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
198	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
148	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
152	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
124	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
190	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
257	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
82	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
6	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]
70	2	111	30 Minutes	2021-04-10 00:41:57	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	[Edit] [Delete]


Item	Description
Delete	Delete the selected accounts
Reset	Reset the selected accounts

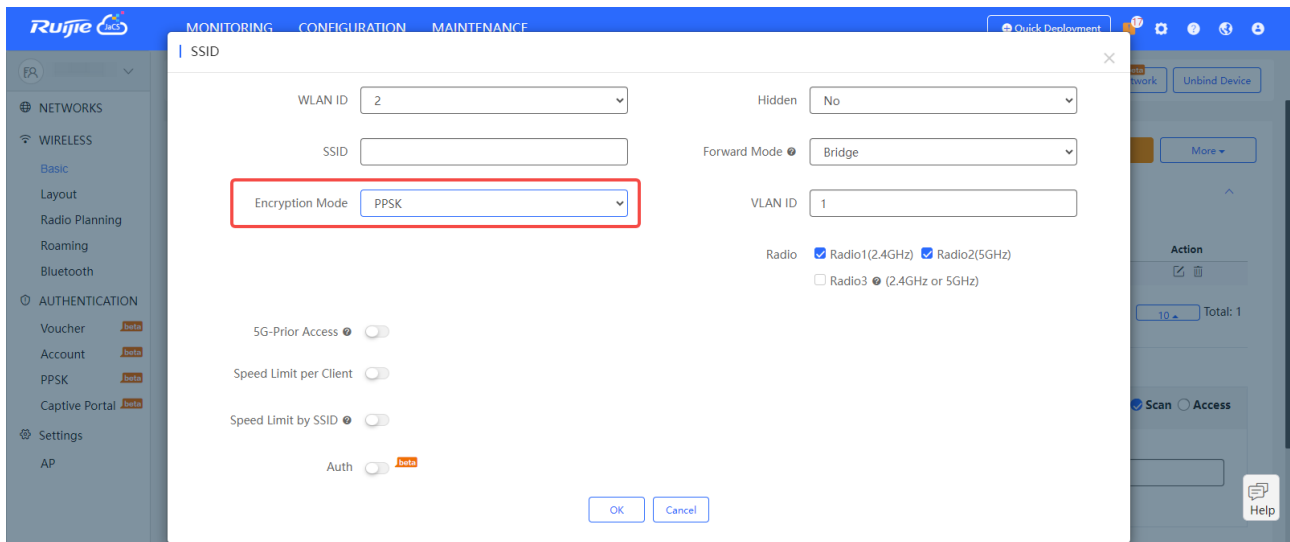
6.3.3 PPSK Authentication

PPSK combines the advantages of PSK and 802.1x. It prevents the network from being stolen. Each terminal device is bound with a unique WiFi account and key so that the key will not be shared. This can also be called “One Client, One Password”.

- The main tasks of the PPSK administrator:
 - Log in to Ruijie JaCS and deploy the network, so that APs can access the Ruijie JaCS.
 - Set the authentication mode of SSID to PPSK (the administrator can configure it directly).
 - On the **PPSK Configuration** page, an enterprise can enable the PPSK function and choose the network.
 - Open account for staffs in batch.
- Staffs can connect to the SSID with a unique WiFi key allocated by the administrator and access the Internet.

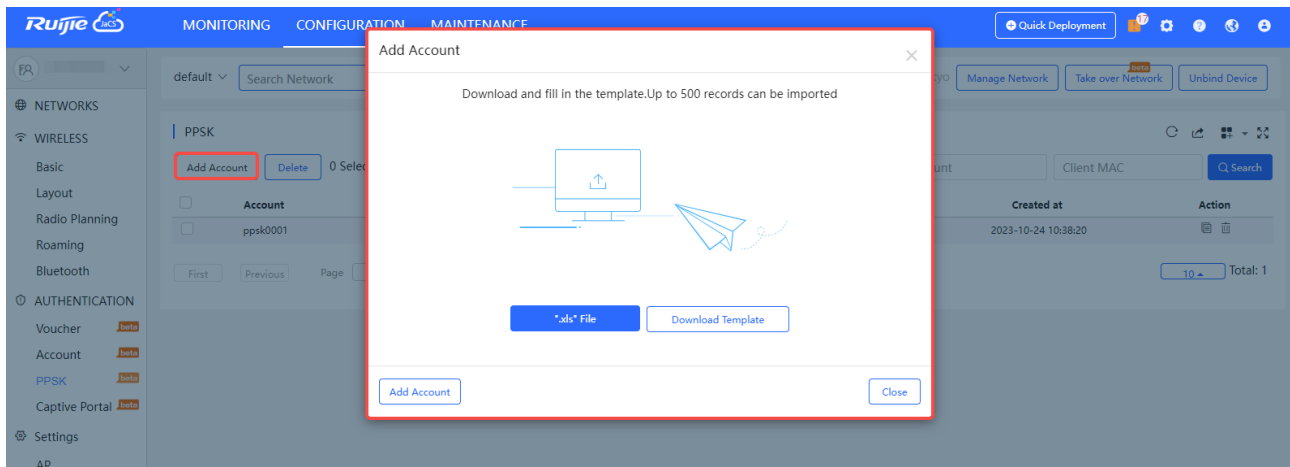
● Configuration Steps

Step 1: Choose **CONFIGURATION > WIRELESS > Basic**, click  beside **SSID**, and set the **Encryption Mode** as **PPSK**.

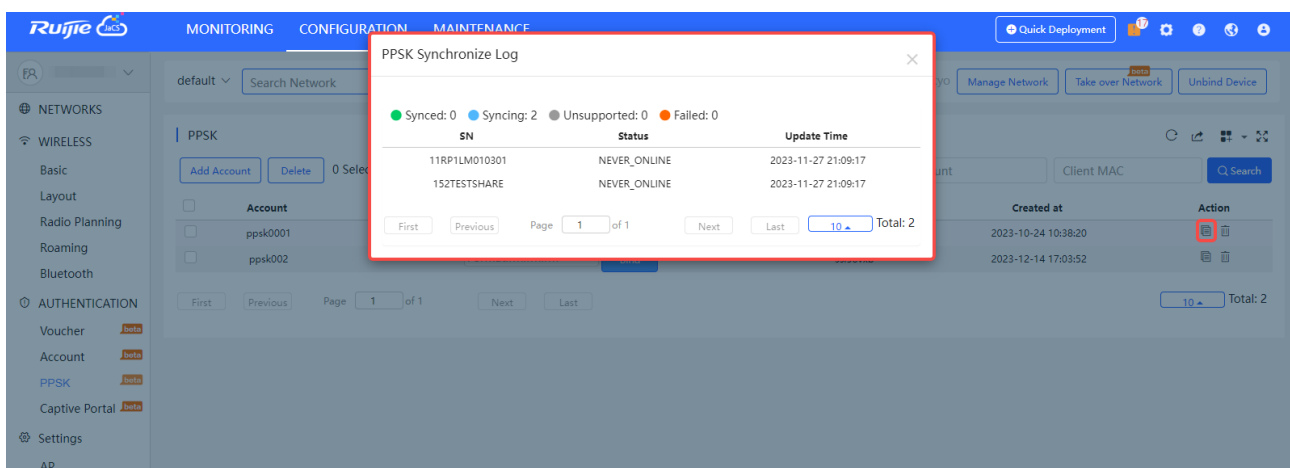


Step 2: Choose **CONFIGURATION > AUTHENTICATION > PPSK**.

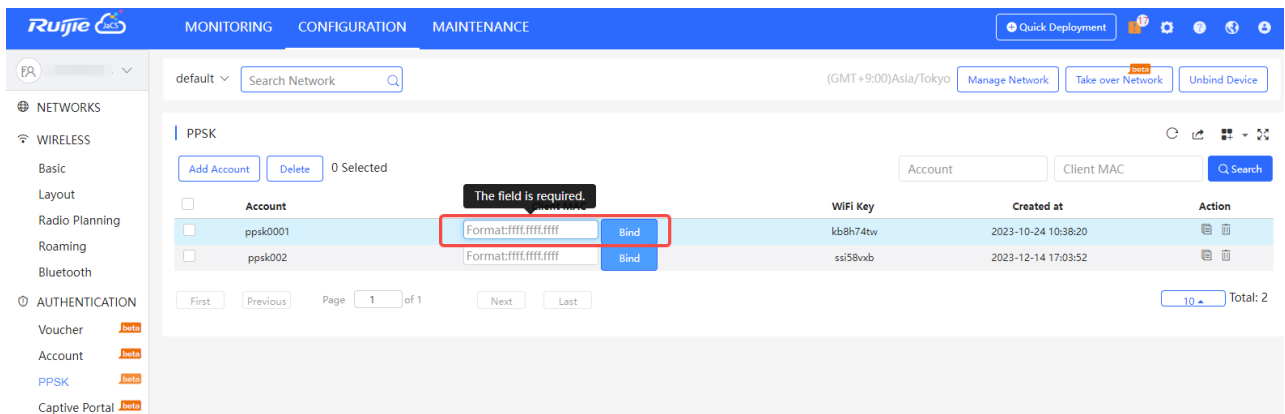
Step 3: Click **Add Account** to batch import or manually add new accounts.



Step 4: Click the view button on the **Action** column of the PPSK list to check **PPSK Sync Log**.



Step 5: Bind MAC address for accounts in the PPSK list.



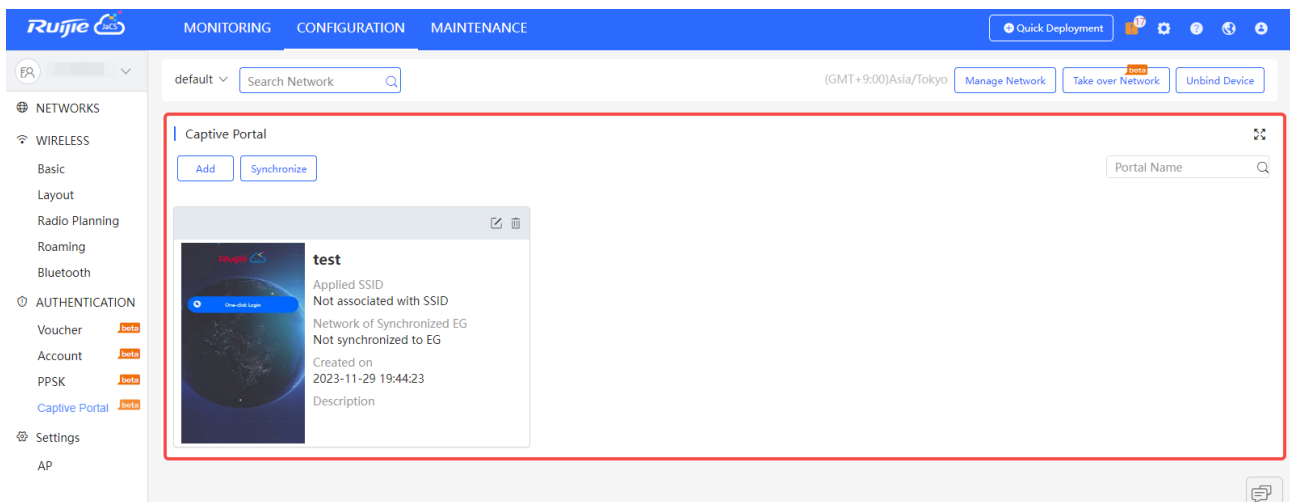
6.3.4 Captive Portal

Select **CONFIGURATION > AUTHENTICATION > Captive Portal** to display the **Captive Portal** page, and select a network on the top to filter captive portals.

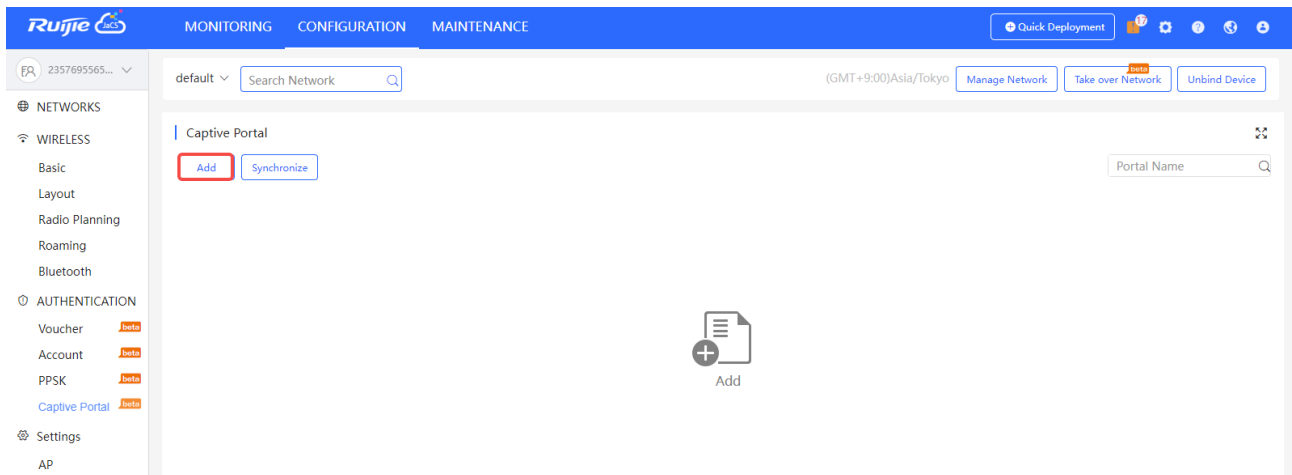
When **Captive Portal** is enabled, SSID can associate with the templates. You can manage templates under a network, but only use or associate templates under a sub-network.



6.3.4.1 Captive Portal List

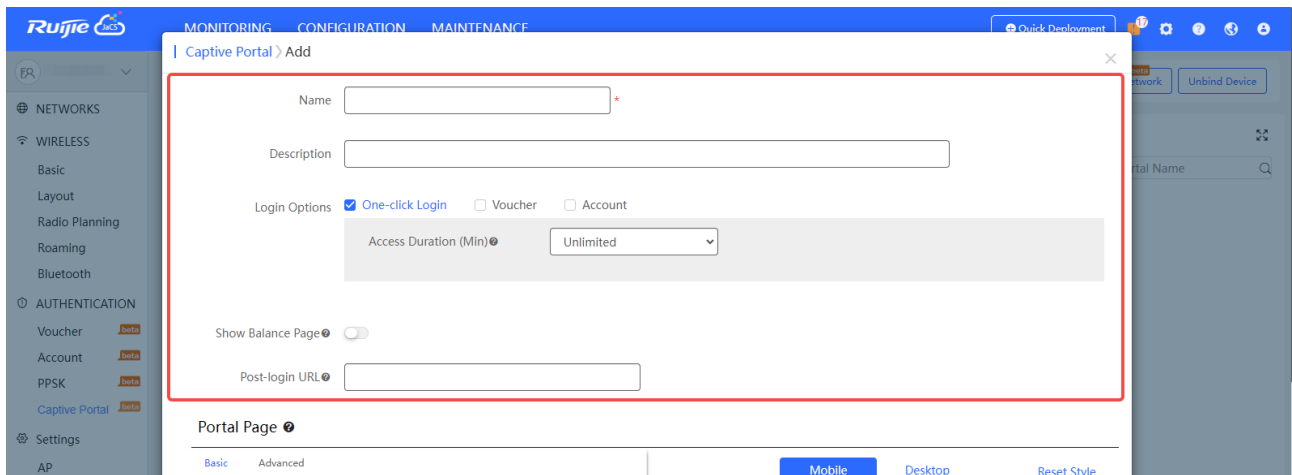
The list displays all captive portal templates, including thumbnails, name, association status, creation time and description.



- Add Captive Portal




Click  or  to open the **Add Captive Portal** page. Enter name, description and post login URL, and select login options. After **Status Balance Page** is enabled, you can check your balance information after login.



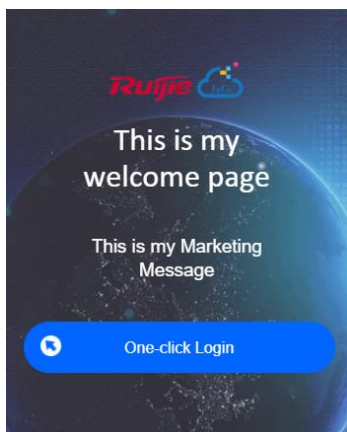
There are three login options: **One-click Login**, **Voucher**, and **Account**.

One-Click Login: You can set **Access Duration** and **Access Times Per Day**.

Login Options ☒ One-click Login ☐ Voucher ☐ Account

Access Duration (Min)  Unlimited

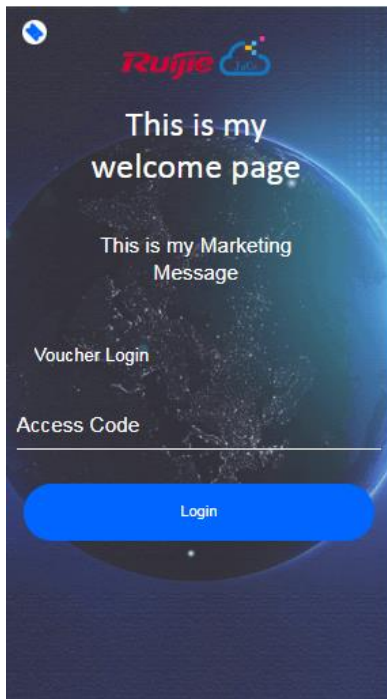
The page for One-click Login:



Voucher: You can log in with the voucher code.

Login Options ☐ One-click Login ☒ Voucher ☐ Account

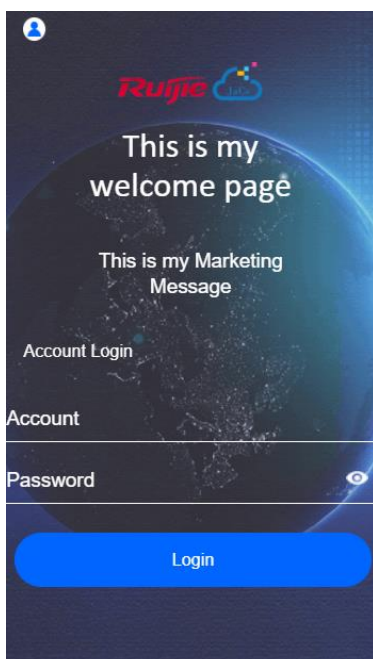
The page for Voucher:



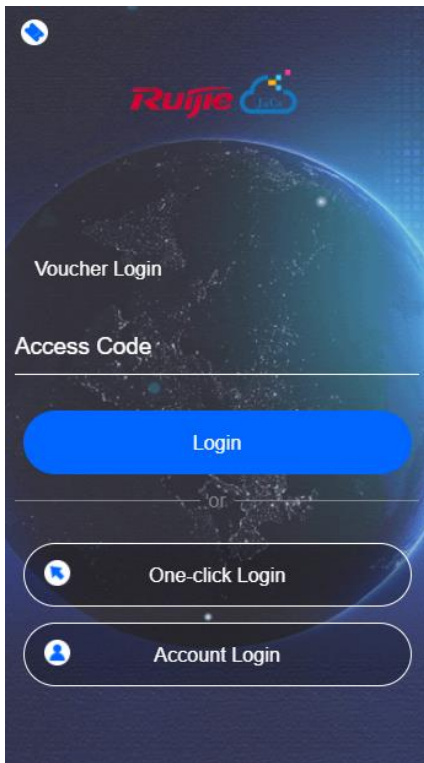
Account: You can log in with the account and password.

Login Options ☐ One-click Login ☐ Voucher ☒ Account

The page for Account:

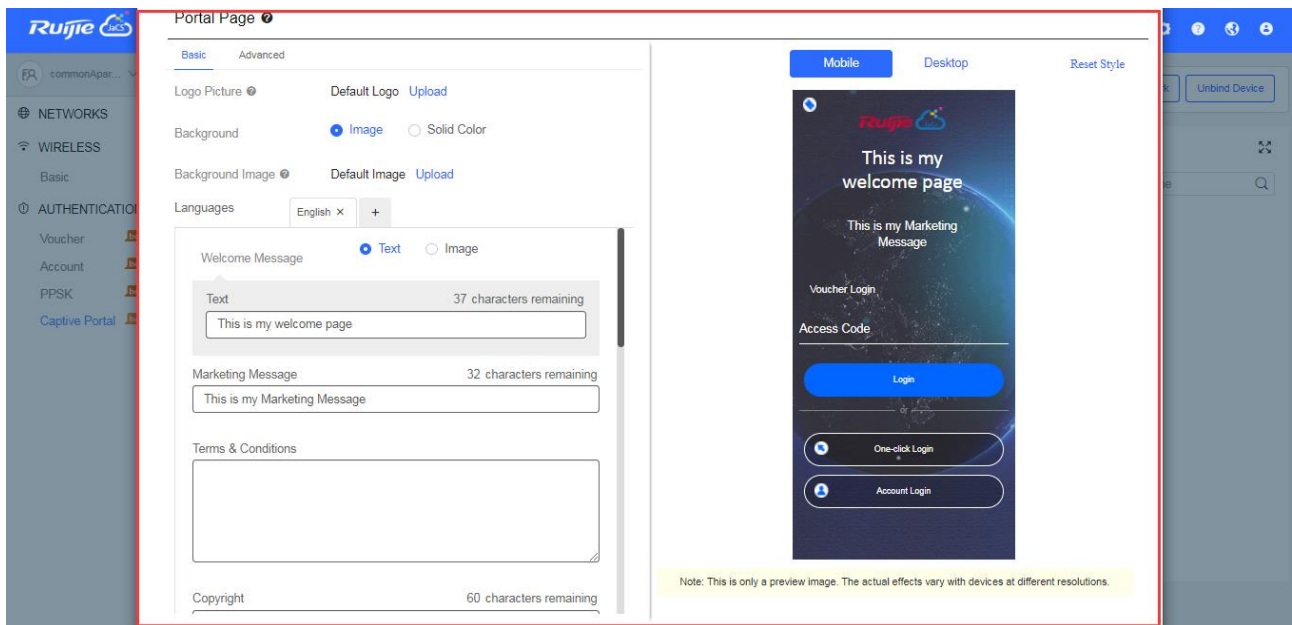


You can also select multiple login options. The page for One-click Login, Voucher, and Account Login:



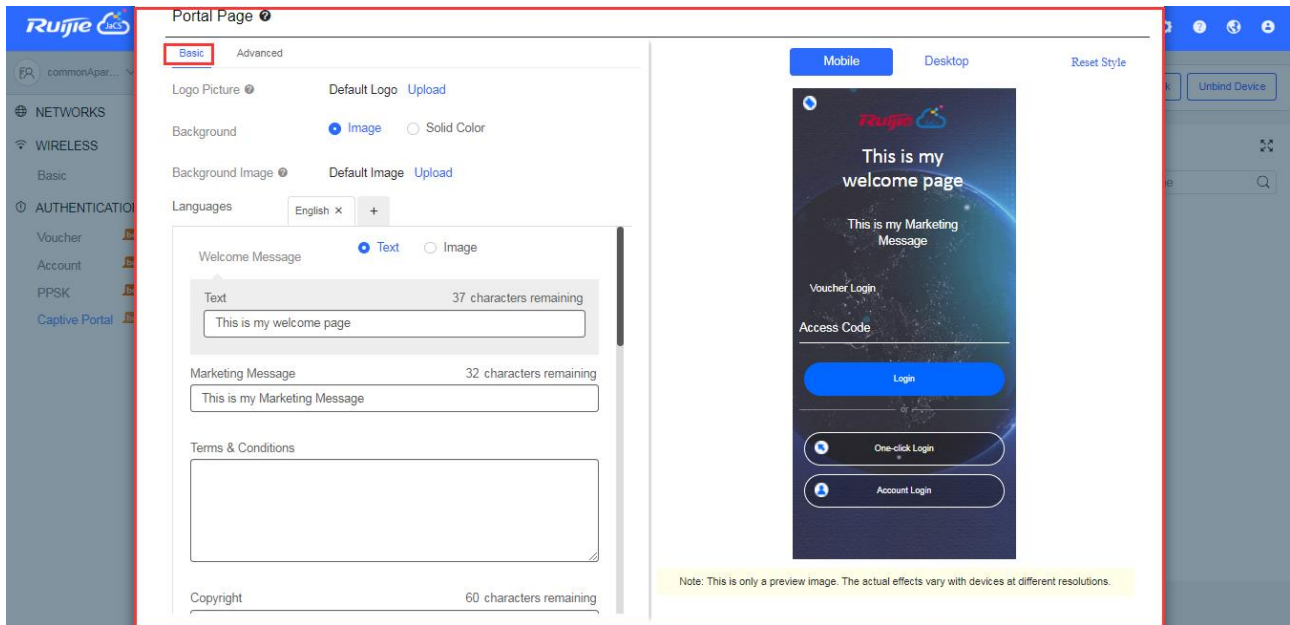
● Portal Page

You can customize the content and style of the login page. The previews on the mobile phone and PC are displayed on the right.

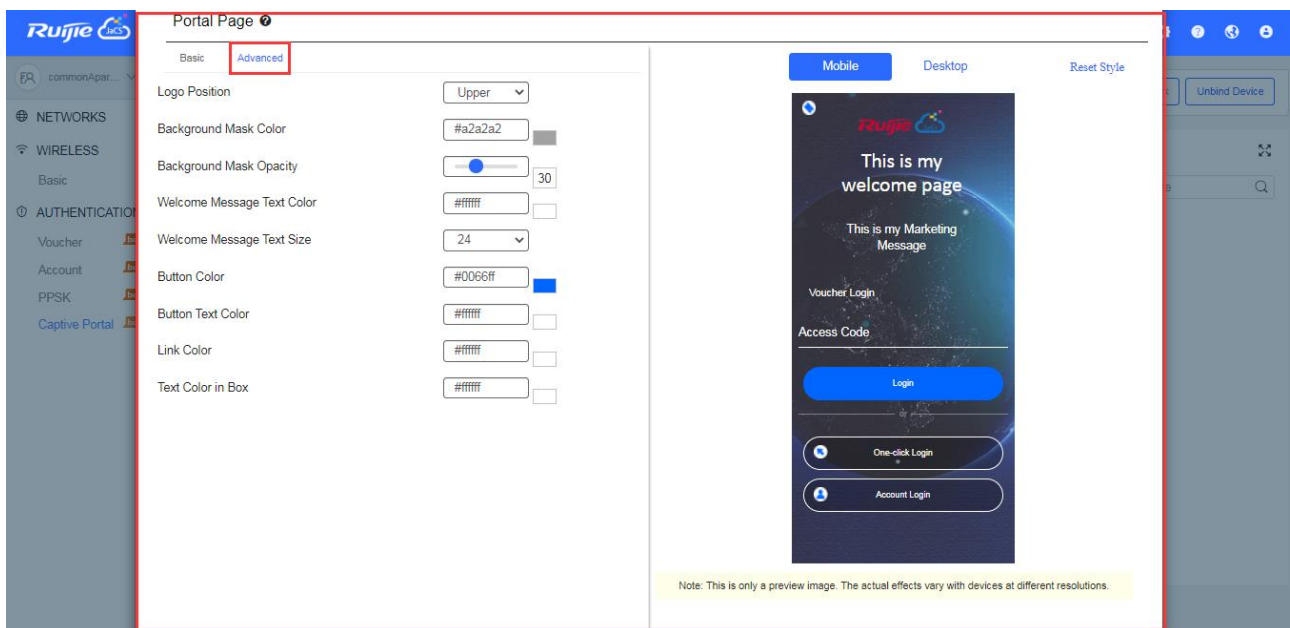



- i** Each type of authentication supports a maximum of three languages. During authentication, users can select a language switching icon in the upper right corner of the authentication page to switch the language.

In the **Basic** tab, set the logo picture, background color or image, welcome message, marketing message, terms & conditions and copyright.





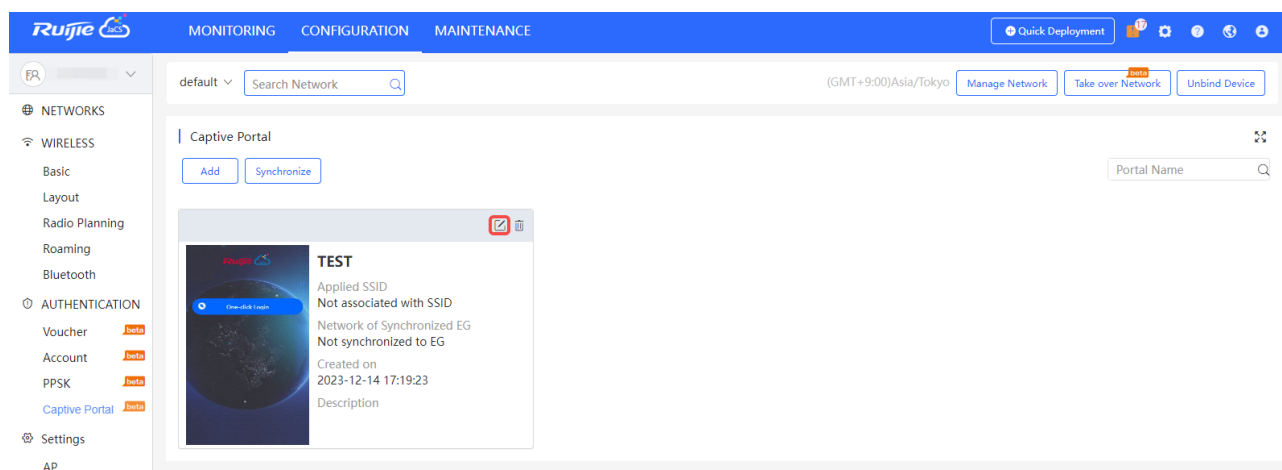
In the **Advanced** tab, set the Logo position, background mask color/opacity, text color/size. Click **Reset Style** to restore the default style.




Click  on the bottom to save.

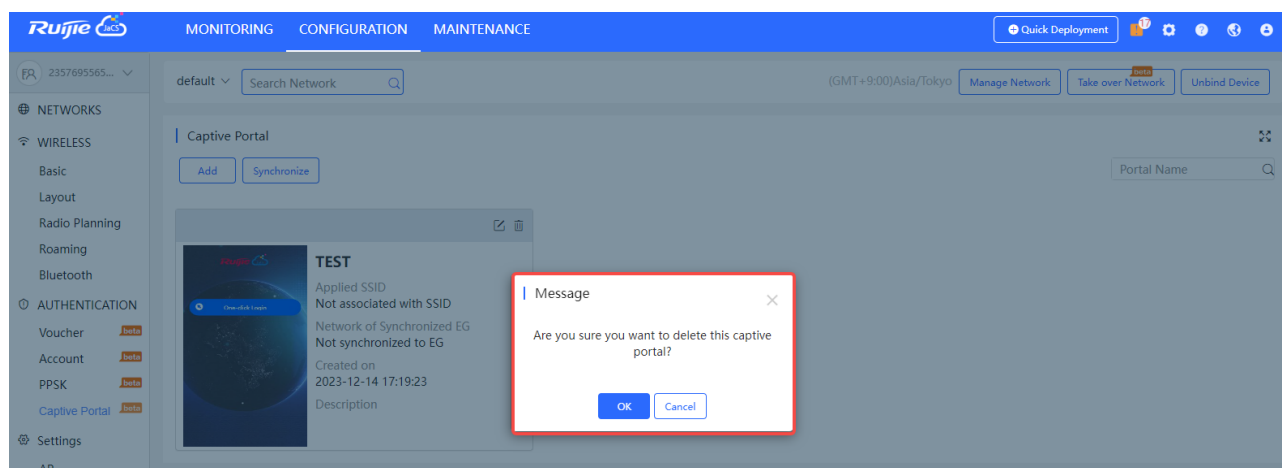
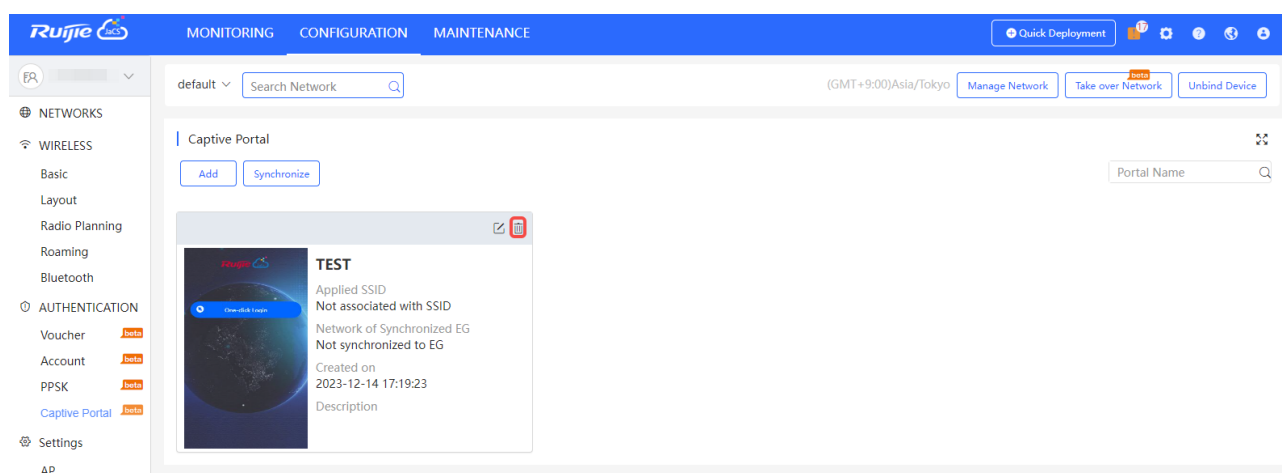
6.3.4.2 Edit Captive Portal

Click  to edit a template, and click  to save.

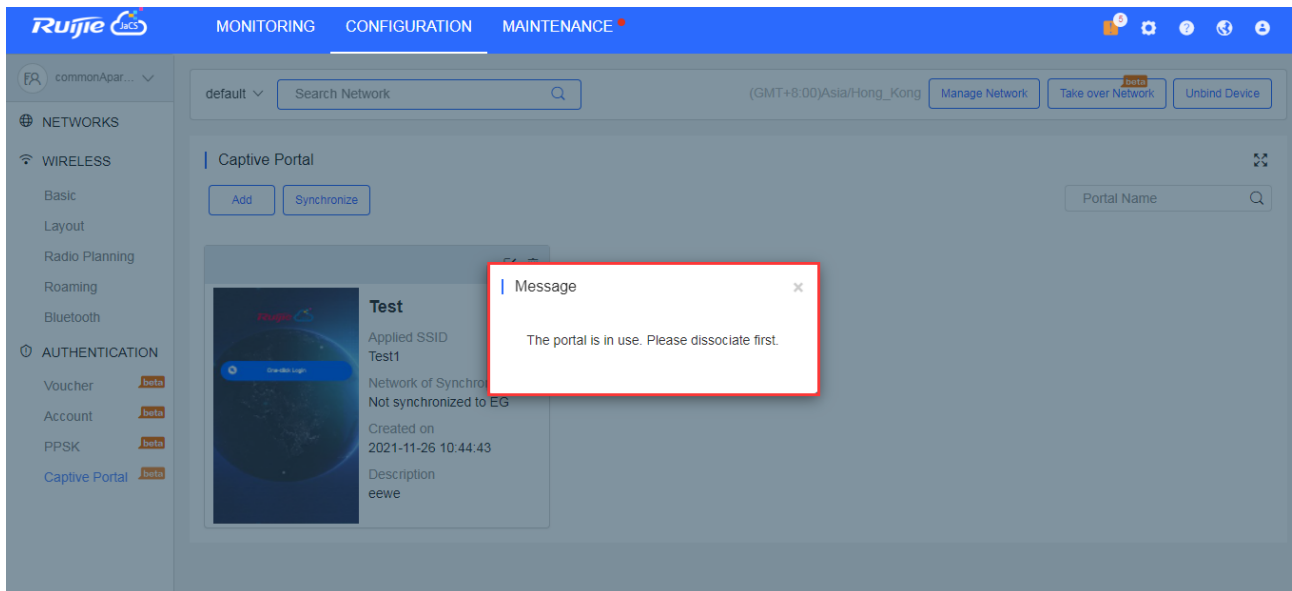


6.3.4.3 Delete Captive Portal

Click  and then click in the confirmation window to delete a template.



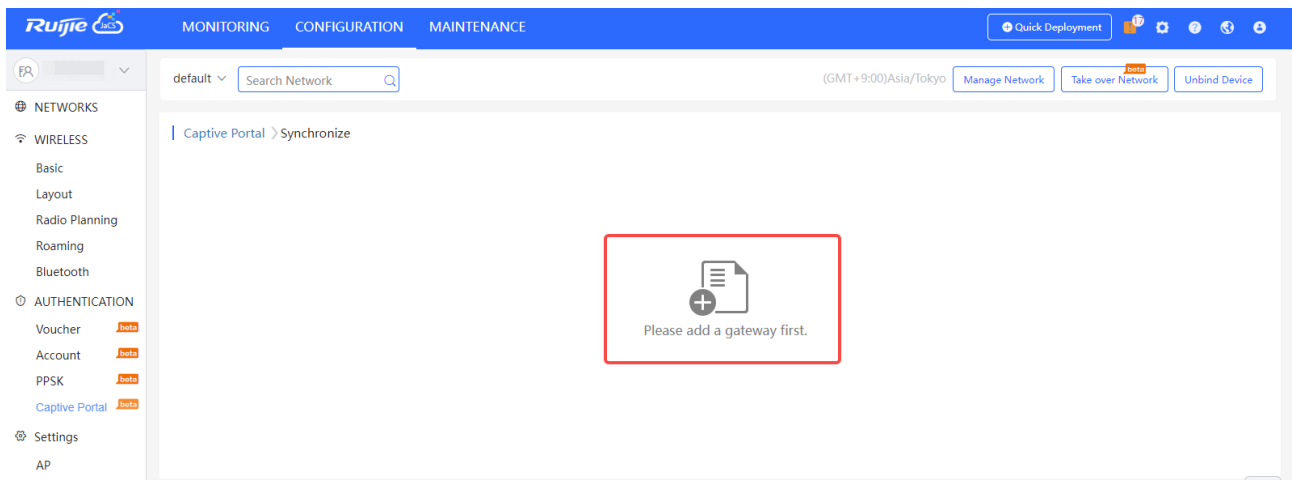
If the template is associated to an SSID or applied to the EG, then you need to dissociate it before delete.



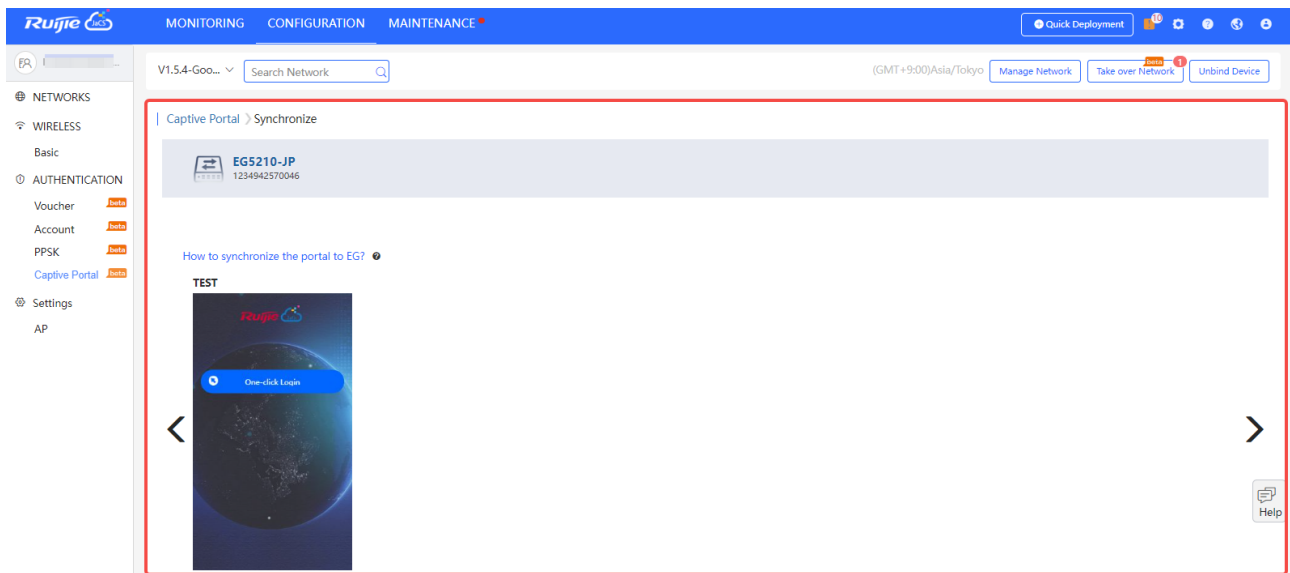
6.3.4.4 Apply to EG

Click [Synchronize](#) to synchronize the captive portal template to the EG.

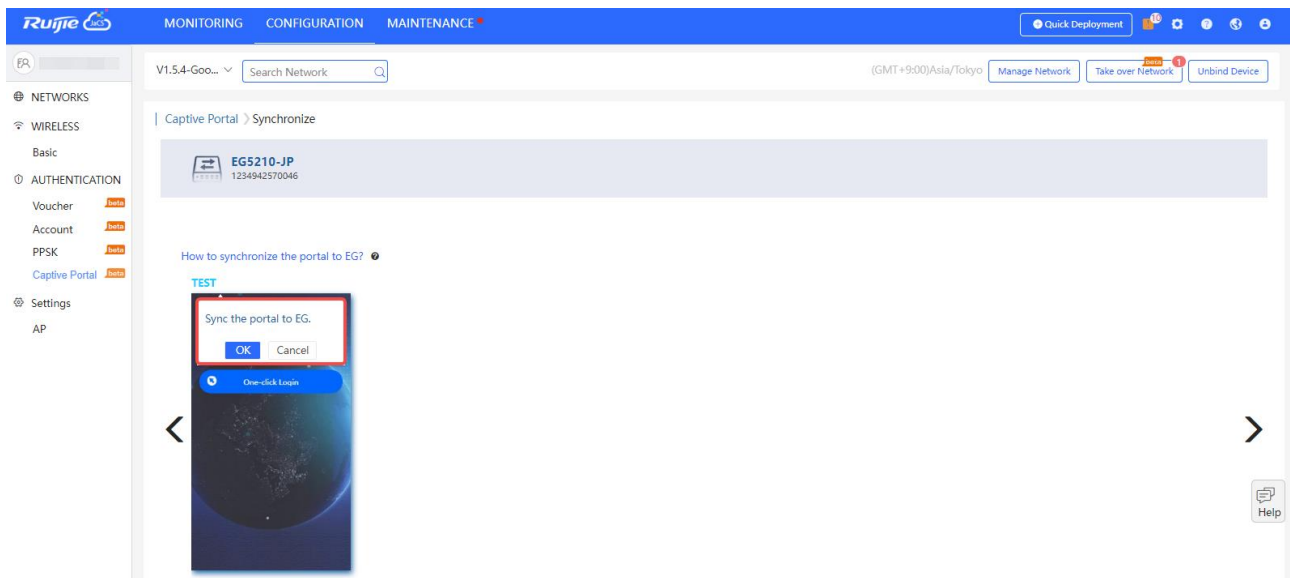
If no EG exists in the current network, you can click  to jump to the **MONITORING > DEVICE > Gateway** page.



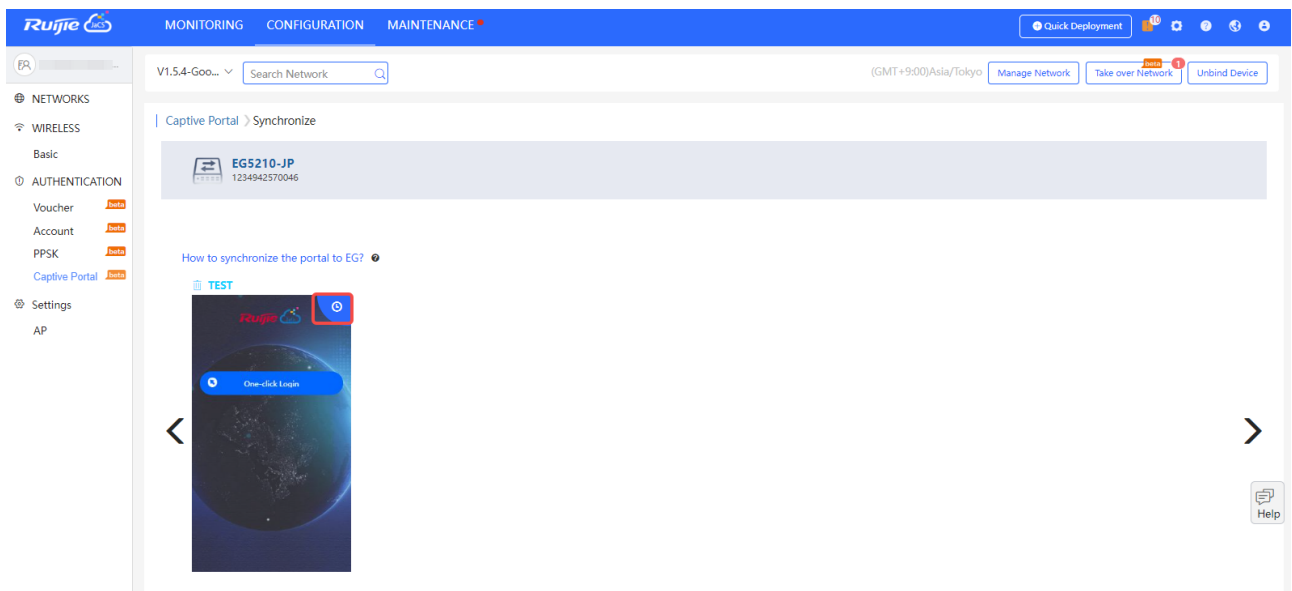
If there is an EG in the current network, the page is displayed as below:



Only one template can be synchronized to an EG. Select a template and click **OK**.



After the template is applied, the date of last synchronization will be displayed above.



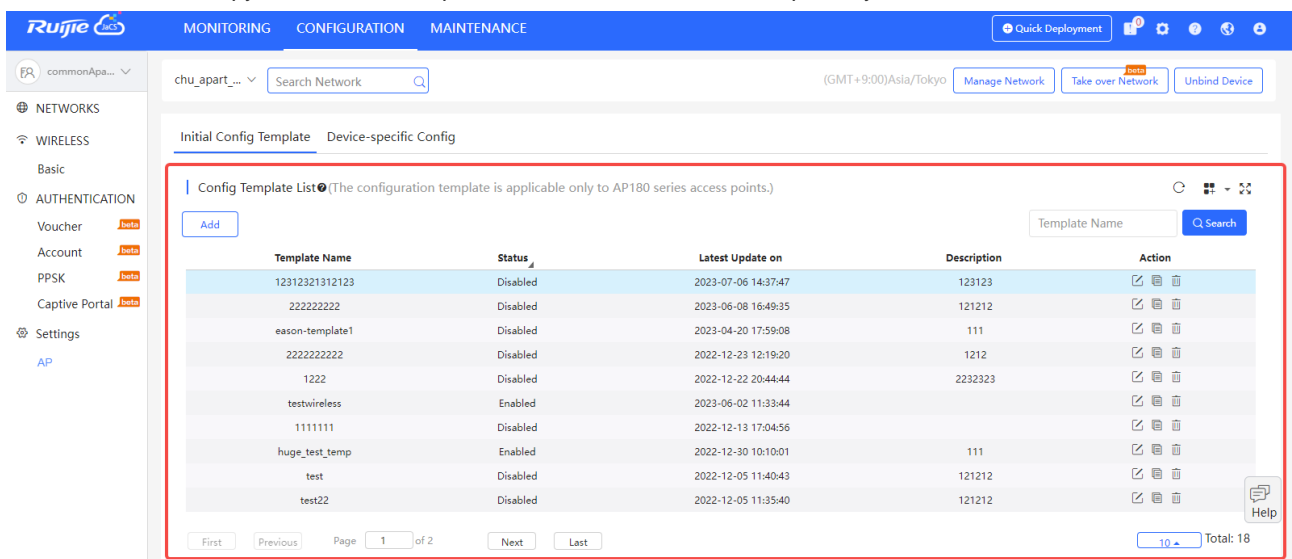
6.4 Settings

6.4.1 AP


6.4.1.1 Initial Configuration Template

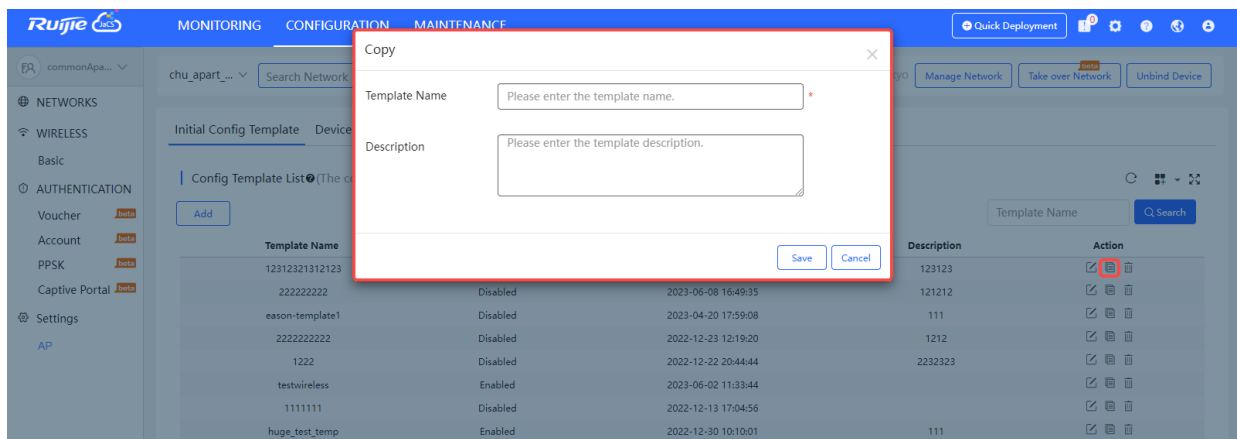
Click **Configuration > Settings > AP** to open the setting page. In this page, you can configure initial configuration template and device-specific config.

In the **Initial Config Template** page, a **Config List** is displayed, and all templates are shown in the order of update time. You can add, edit, copy and delete a template. You can also search a template by name.




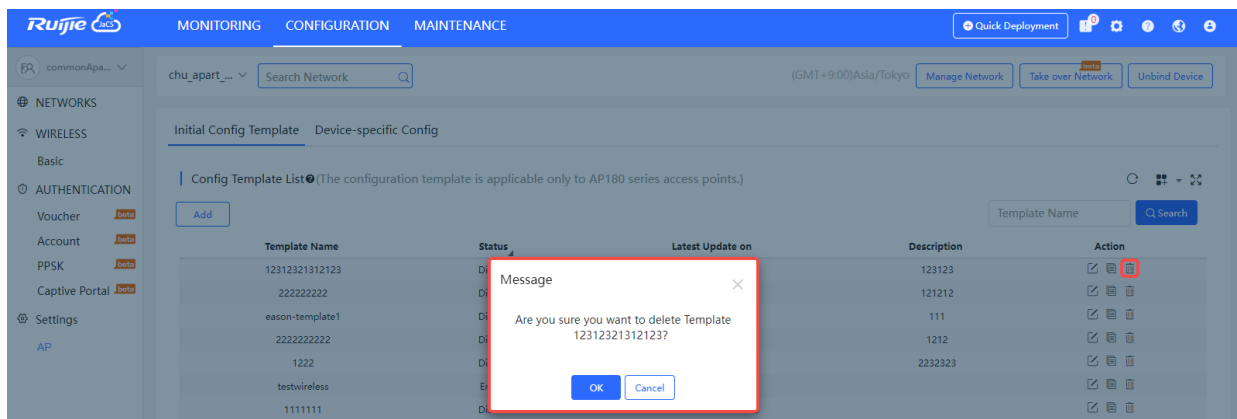
■ Copying a Template

After clicking  in the **Action** column, a prompt will appear. Enter a new template name and description, then click **Save** to form a new template. Except the name and description, other configurations of the new template remain the same with the previous one.




■ Deleting a Template

Click  in the **Action** column to delete a template. If the following prompt message appears, it means the template cannot be deleted as it is already in use.

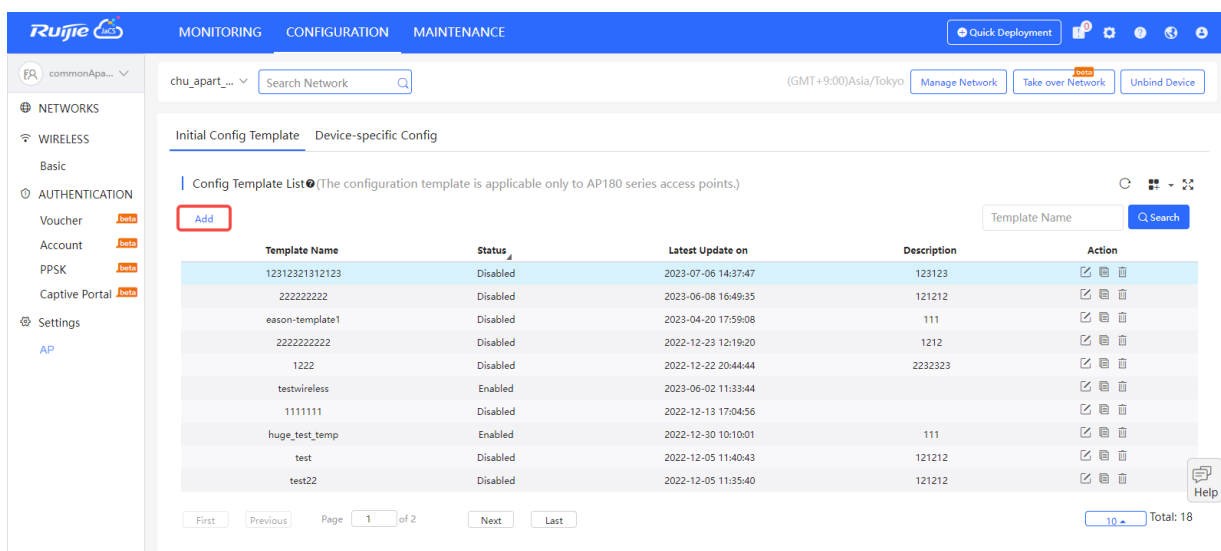


■ Editing a Template

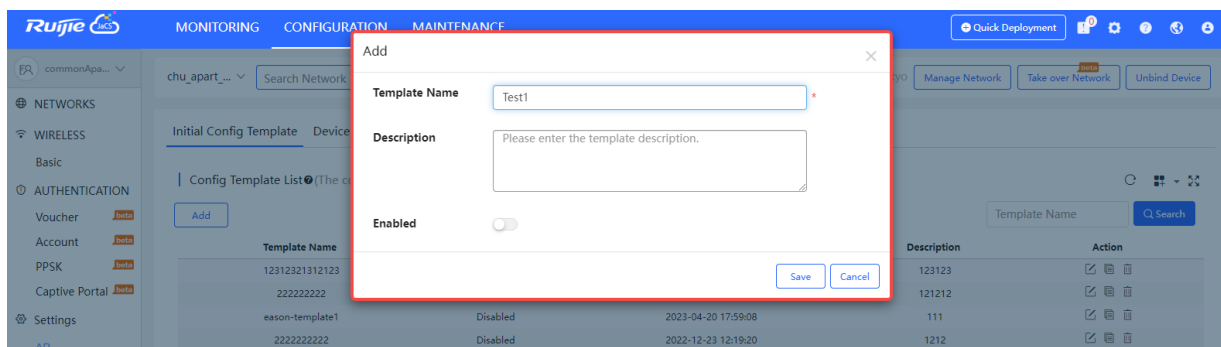
Click  in the **Action** column to edit a template. You can edit all the configurations of the template, but if the template is in used, it cannot be edited.

■ Adding a Template

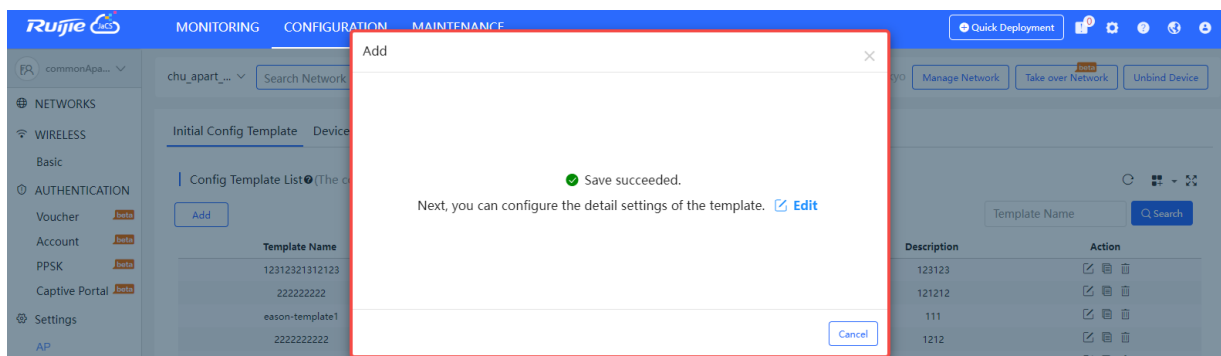
Click **Add** to open the setting page.



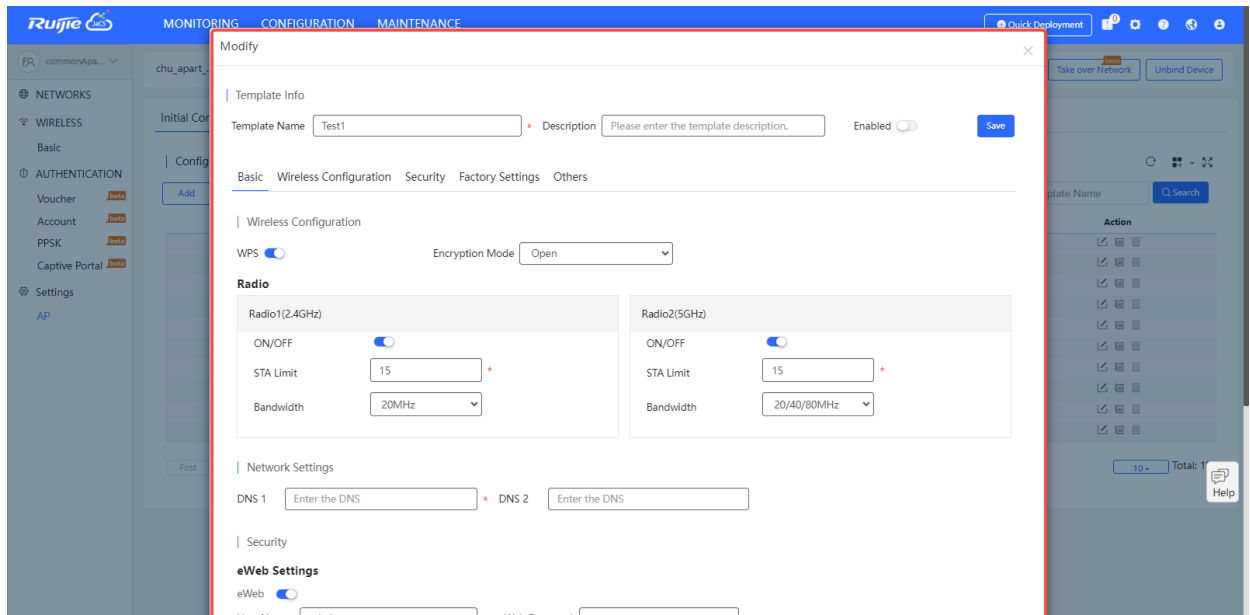
Specify the **Template Name** (required) and **Description** (optional), and then click **Save**.



When the “**Save succeeded**” appears, the operation is complete.



Click [Edit](#) to modify the basic information of the template.



In the **Modify** page, you can change the settings of the template name, the description and the enabled status. When a change is made, click **Save** in the right side.

You also can specify the parameters in the four Tab pages: **Basic**, **Wireless Configuration**, **Security** and **Others**. After modifying the parameters, click **Save**.

● Basic

In this page, you can configure radios, DNS, the password of eWeb and IPv6.

Modify

Template Info

Template Name * Description Enabled ☐

Basic Wireless Configuration Security Factory Settings Others

Wireless Configuration

WPS ☒ Encryption Mode

Radio

Radio1(2.4GHz)	Radio2(5GHz)
ON/OFF <input checked="" type="checkbox"/>	ON/OFF <input checked="" type="checkbox"/>
STA Limit <input type="text" value="15"/> *	STA Limit <input type="text" value="15"/> *
Bandwidth <input type="text" value="20MHz"/>	Bandwidth <input type="text" value="20/40/80MHz"/>

Network Settings

DNS 1 * DNS 2

Security

eWeb Settings

eWeb ☒

User Name * eWeb Password *

Telnet Settings

Config Delivery ☐

Advanced

IPv6 Pass ☐ Gi0/1(WAN) ☐ Gi0/2(LAN) ☐ SSID

Time Synchronization ☒

● Wireless Configuration

You can hover your mouse on  to view the notes of **Hide SSID**.

When **Rate Limit** is enabled, you need to set the downlink and uplink rate.

Modify ×

Template Info

Template Name

Test1

*

Description

Please enter the template description.

Enabled

☐

Save

Basic

Wireless Configuration


Security

Factory Settings

Others

SSID Code

☒ UTF-8 ☐ GBK

Hide SSID 

☐

5G-prior Access

☐

Rate Limit

☐

Client Limit

256


*(1-256)

Save

Cancel

● Security

In this page, you can configure user isolation and communication mode.

When the user isolation is enabled, inter-SSID, intra-SSID and LAN-WAN are enabled simultaneously. You can hover the mouse over  to check more details about this function.

Modify ×

Template Info

Template Name

Test1

*

Description

Please enter the template description.

Enabled

☐

Save


Basic

Wireless Configuration

Security

Factory Settings

Others

User Isolation 

☐

Communication Mode


☐ Broadcast ☒ Unicast ☐ Multicast

Save

Cancel

● Factory Setting (Optional)

You can click the down arrow to select an existing template, or click **Add** to create a new one. If you select an existing template, the configurations of the template will be displayed below the selection box. If you need to add a new template, you can click **Add** to go to the **Factory Configuration** page.

 When the factory settings are applied to a device, you need to press the reset button of the device to reset the device to make them take effect, and all global configurations and other configurations will be cleared.

In the **Factory Configuration** page, you can add a new factory setting, and edit or delete an existing one. When a new factory setting is added, it will be displayed in the drop-down list box. If a factory setting is changed, it will take effect in all templates to which the factory settings are applied. Only an unused factory setting can be deleted.

Modify ✕

Template Info

Template Name * Description Enabled ☐ Save

Basic Wireless Configuration Security Factory Settings Others

Select Factory Setting ---Select Factory Setting--- Add

Save

Cancel

● Others

The **Periodical Restart** is disabled by default. When it is enable, you can choose **Simple Policy** and **Sophisticated Policy** to schedule the reboot of the device to take effect in a specific time.

When LED schedule is enabled, you should specify the start time and the end time.

Modify ✕

Template Info

Template Name * Description Enabled ☐ Save

Basic Wireless Configuration Security Factory Settings Others

Periodical Restart ☐

LED ☒ Enabled ☐ Disabled ☐ LED Schedule ⓘ

Panel (You can enable or disable buttons on the faceplate in the follows.)

WPS ☒

Reset ☒

Power ☒

Power on Status ☐ Standby ☒ Run

Save

Cancel

6.4.1.2 Device-specific Configuration

In the **Device Config List**, the information of all devices with specific configuration is displayed, including SN, IP, 2.4G SSID, 2.4G PASSWORD, 5G SSID, 5G PASSWORD and Update Time. In the 2.4G/5G SSID and 2.4G/5G PASSWORD columns, commas (,) are used to separate multiple SSIDs and passwords. And the SSIDs and passwords are one-to-one correspondence. Up to 3 SSIDs or passwords are supported.

Ruijie MONITORING CONFIGURATION MAINTENANCE Quick Deployment

Eason_apar... Search Network (GMT-5:00)America/Bogota Manage Network Take over Network Unbind Device

Initial Config Template Device-specific Config

Device Config List ⌵ ⌵ ⌵ ⌵

Import Config Download Template Q Search

SN	IP Address	Gateway	2.4G SSID	2.4G SSID Password	5G SSID	5G SSID Password	Update Time
G1QD7PW015856	-	-	c1xx	123456789			2023-06-02 10:35:05
1234942571995	-	-	specific_test1_24G,test11,test2211	1234567890,1234511111,12112332			2022-12-08 15:21:53

First Previous Page 1 of 1 Next Last 10 Total: 2

■ Downloading the Template

Click **Download Template** to download the template. The parameters and their description are shown as follows:

A	B	C	D	E	F	G
SN	IP Address	Subnet Mask	2.4G SSID	2.4G SSID Password	5G SSID	5G SSID Password

The SN is required. The IP address and subnet mask should be filled in or not filled in together (when they are left empty, the device will obtain IP address and subnet mask via DHCP). The other four fields are optional.

- Multiple SSIDs and passwords are supported. Use commas (,) to separate them.

■ Importing Configuration

Click **Import Config** to import the template. Up to 200 templates are supported. When a template is imported, the system will verify the parameters filled in the template. The import process will be stopped when one of the following situations occurs:

- The SN is not available in the current network.
- The format of IP address is incorrect.
- The number of SSIDs and passwords are different.

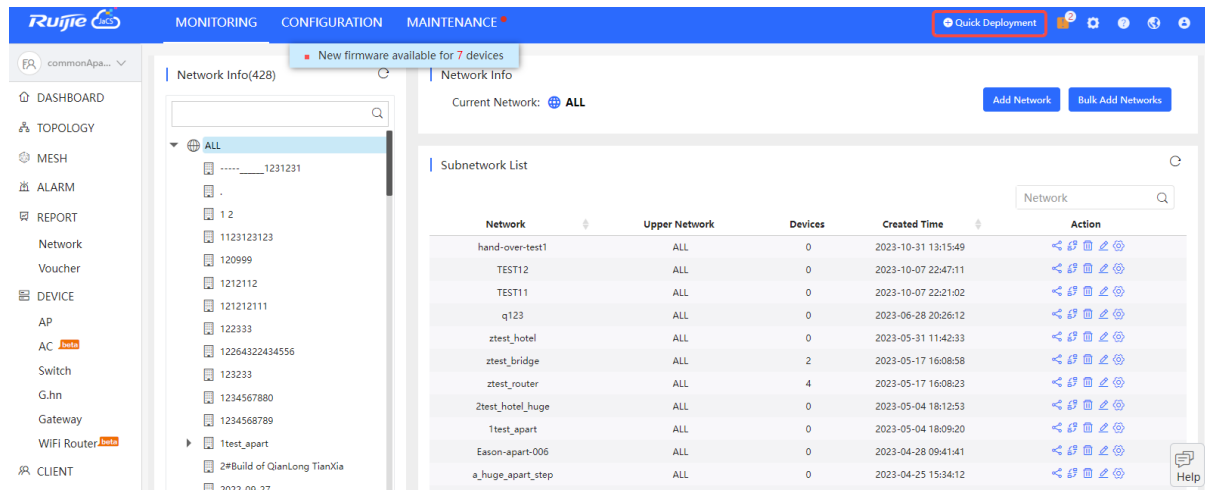
■ Search

You can enter the SN of a device in the search box in the upper right corner to search the device.

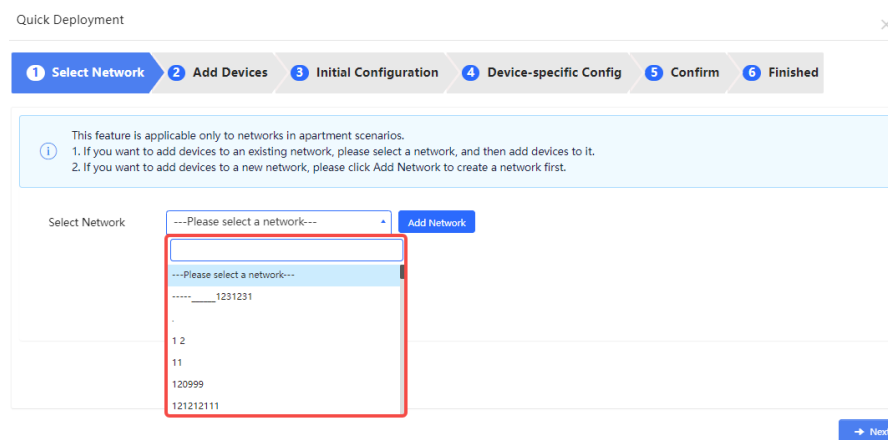
6.5 Quick Deployment

You can click **Quick Deployment** in the upper corner of the navigation bar to configure your devices quickly. You only This feature is applicable only to AP180 series access points in apartment networks.

Step 1 Click Quick Deployment.



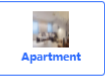
Step 2 Select an existing network, or click **Add Network** to create a new one. After clicking **Add Network**, a setting page pops up. Please specify the network name, the time zone, the mode and bind the location. Then, click **Next**.



Add Network

Name

Time Zone

Scenario 

Auto Switch Mode ☐ Disable ☐ Bridge ☐ Router

Bind Location

Step 3 Add APs to the network.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

AP Auto Discovery

SN Alias

Device List

SN	Alias	Action
No Data		

Three methods are available here.

- 1) Manually enter the serial numbers of devices, then click **Add**.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

AP Auto Discovery

SN Alias

Device List

SN	Alias	Action
No Data		

- 2) Click **Download Template** to download and fill in the template. After that, click **Batch Import** to add

devices in batches.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

AP Auto Discovery

SN Alias

Device List

SN	Alias	Action
No Data		

- 3) Click **Auto Discovery**. Select a switch to be used for detecting devices. Then, click **Start** to detect the devices. Only AP180 series access points that are powered on and access WAN can be detected.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

AP Auto Discovery

Select a switch

Device Detected

☐ Devices Detected 0
No device is found.

☐ Add Devices 0
No device is found.

- Step 4** (Optional) Select an existing initial configuration template or add a new one. If you want to view or change the configurations of an existing configuration template, click **Details**. If you don't want to apply an initial configuration template to devices, click **Next** directly to skip this step.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

This feature is applicable only to networks in apartment scenarios.

Config Template

Step 5 (Optional) Click **Download Template** to download and fill in the device-specific configuration template, and then click **Batch Import** to import the configurations. If you don't want to configure this, click **Next** directly to skip this step.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

Device Config List

☒ Batch Import ☒ Download Template

SN	IP Address	Gateway	2.4G SSID	2.4G SSID Password	5G SSID	5G SSID Password
No Data						

← Back → Next

Step 6 Confirm the configurations. If all the configurations are right, click **Save & Next**, otherwise you can click **Back** to modify the configurations.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

Please confirm the configuration you set.

Network	11
Devices Added	AP: 1
Initial Config Template	test333
Device-specific Config	0

← Back → Save & Next

Step 7 After saving the configurations, all the configurations you set will be displayed. The configuration status of devices is refreshed every 6 seconds.

Quick Deployment

1 Select Network 2 Add Devices 3 Initial Configuration 4 Device-specific Config 5 Confirm 6 Finished

Config Info

Network 11 Devices Added AP: 1 Initial Config Template test333 Device-specific Config 0

AP

AP List

Online Status	SN	MAC	Model	Config Status	Initial Config	Device-specific Config
Not Online Yet	1235646858	-	-	-	-	-

First Previous Page 1 of 1 Next Last

10 Total: 1

Finish

7 Maintenance

The **Maintenance** module mainly provides the following functional services:

- LOGS
- UPGRADE

7.1 Logs

7.1.1 Operation Log

This page shows operation logs.

Time	Operator	Type	Description	Result	Result Description	Action
2023-12-13 17:33:59	commonApartment1	Device	Add device [1235646858] to group [11].	Success	OK.	
2023-12-13 17:26:17	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 17:17:22	commonApartment1	Network	Hand over the network [default] to account [testdemo]	Success	OK.	
2023-12-13 17:16:51	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 17:13:25	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:41:59	commonApartment1	Network	Share the network [default]	Success	OK.	
2023-12-13 12:41:40	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:33:15	commonApartment1	Network	Share the network [default]	Success	OK.	
2023-12-13 12:32:52	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:31:46	commonApartment1	Network	Share the network [default]	Success	OK.	

Click  in **Action** column to check log details.

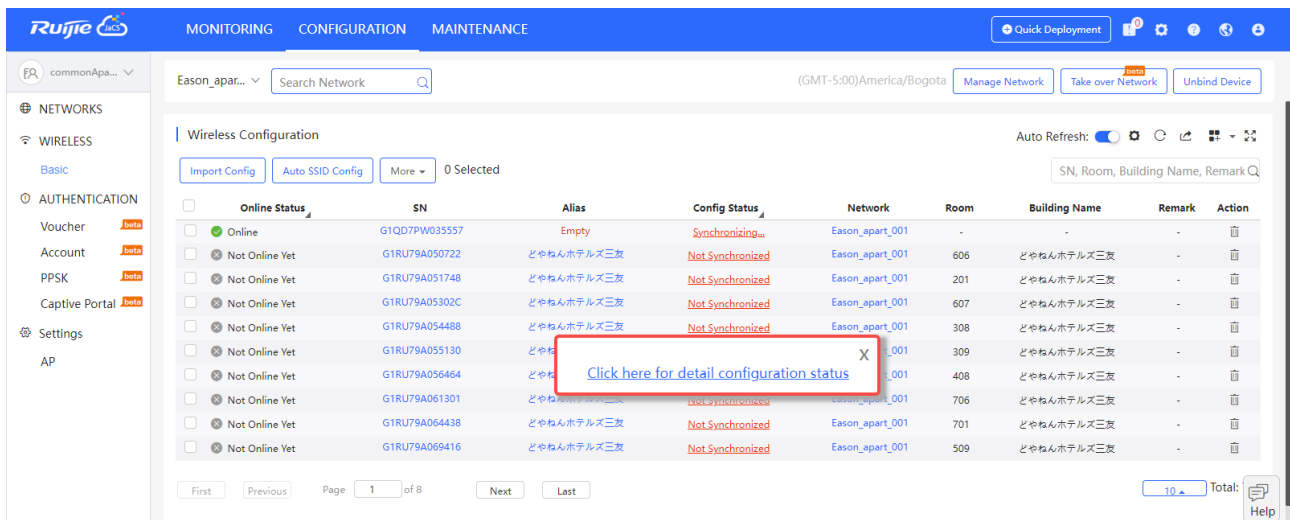
General operation log details are shown as follows:

Time	Operator	Type	Description	Result	Result Description	Action
2023-12-13 17:33:59	commonApartment1	Device	Add device [1235646858] to group [11].	Success	OK.	
2023-12-13 17:26:17	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 17:17:22	commonApartment1	Network	Hand over the network [default] to account [testdemo]	Success	OK.	
2023-12-13 17:16:51	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 17:13:25	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:41:59	commonApartment1	Network	Share the network [default]	Success	OK.	
2023-12-13 12:41:40	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:33:15	commonApartment1	Network	Share the network [default]	Success	OK.	
2023-12-13 12:32:52	commonApartment1	Login	Log in successfully	Success	OK.	
2023-12-13 12:31:46	commonApartment1	Network	Share the network [default]	Success	OK.	

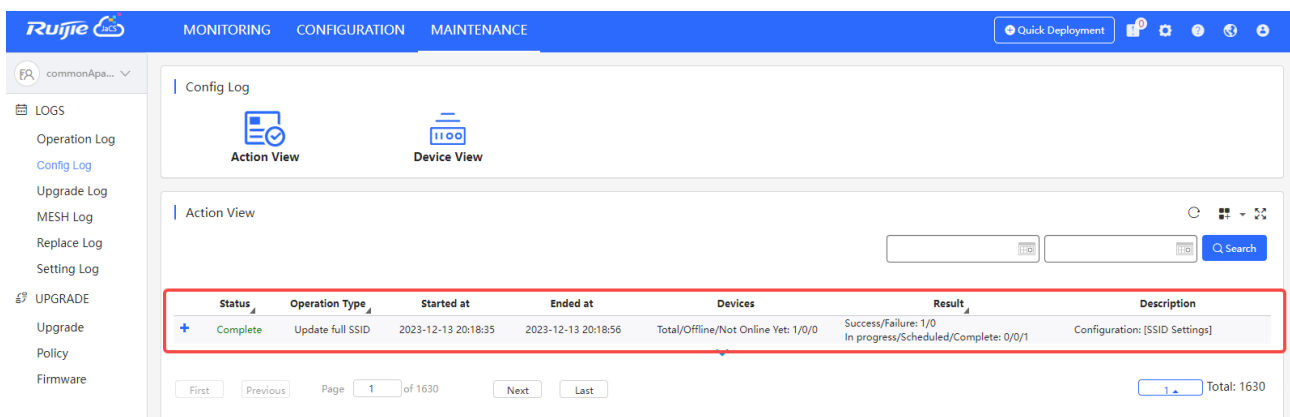
7.1.2 Config Log

7.1.2.1 Action View

When the device configuration is imported, a prompt will pop up. Click the prompt to open the log page and export the SSID result.




On the log page, the latest record will be displayed by default

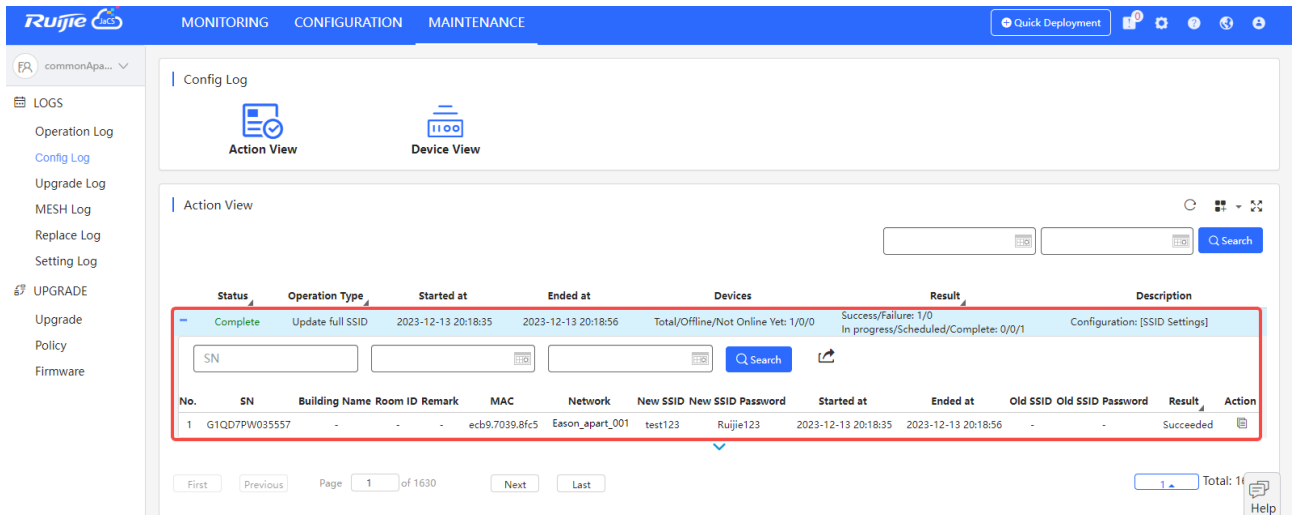


- **Status:** View the status of the configuration
 - Complete: Configuration completes
 - In progress: Configuration is in progress
 - Scheduled: Configuration is scheduled
- **Result:** View configuration results
 - Success: Number of devices configured successfully
 - Failure: Number of devices whose configuration fails
- **Devices**
 - Total: Total devices in the network
 - Offline: Number of offline devices
 - Not Online Yet: Number of devices that never go online

Cloud will give priority to the online devices, and will actively apply the configuration after the offline devices go online.

- Description: View configuration command
- Refresh: As it takes a while to complete the configuration, you can click this button to refresh the configuration progress.

Click  to display more configuration information.




Config Log

Action View

Search:

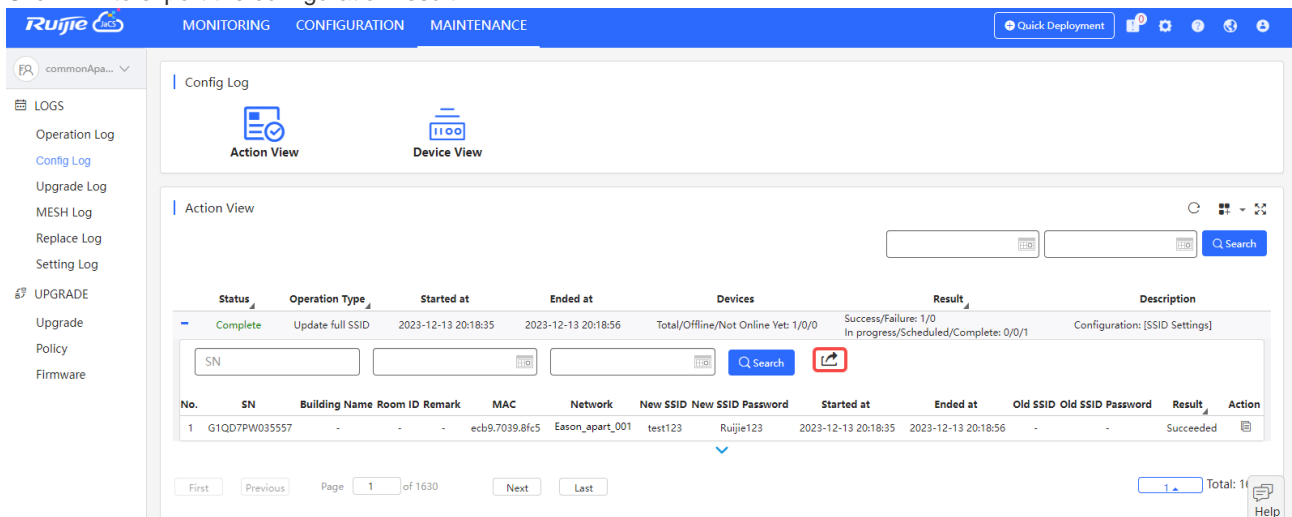
Status	Operation Type	Started at	Ended at	Devices	Result	Description
Complete	Update full SSID	2023-12-13 20:18:35	2023-12-13 20:18:56	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/1	Configuration: [SSID Settings]

SN:

No.	SN	Building Name	Room ID	Remark	MAC	Network	New SSID	New SSID Password	Started at	Ended at	Old SSID	Old SSID Password	Result	Action
1	G1QD7PW035557	-	-	-	ecb9.7039.8fc5	Eason_apart_001	test123	Ruijie123	2023-12-13 20:18:35	2023-12-13 20:18:56	-	-	Succeeded	

First Previous Page 1 of 1630 Next Last Total: 1630 Help

Click  to export the configuration result.




Config Log

Action View

Search:

Status	Operation Type	Started at	Ended at	Devices	Result	Description
Complete	Update full SSID	2023-12-13 20:18:35	2023-12-13 20:18:56	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/1	Configuration: [SSID Settings]

SN:

No.	SN	Building Name	Room ID	Remark	MAC	Network	New SSID	New SSID Password	Started at	Ended at	Old SSID	Old SSID Password	Result	Action
1	G1QD7PW035557	-	-	-	ecb9.7039.8fc5	Eason_apart_001	test123	Ruijie123	2023-12-13 20:18:35	2023-12-13 20:18:56	-	-	Succeeded	

First Previous Page 1 of 1630 Next Last Total: 1630 Help

The exported file is shown as the figure below.

1	SSID and Password Change Form (Output)												
2	NO.	Building Name	Room No	Remark	MAC	Network	New SSID	New SSID Password	Started	Ended	Old SSID	Old SSID Password	Result
3	1				ecb9.7039.8fc5	Eason_apart_001	test123	Ruijie123	2023 12/13 07:18	2023 12/13 07:18			Succeeded
4													
5													

You can check the result in the **Result** column which may be "Succeeded" or "Failed".

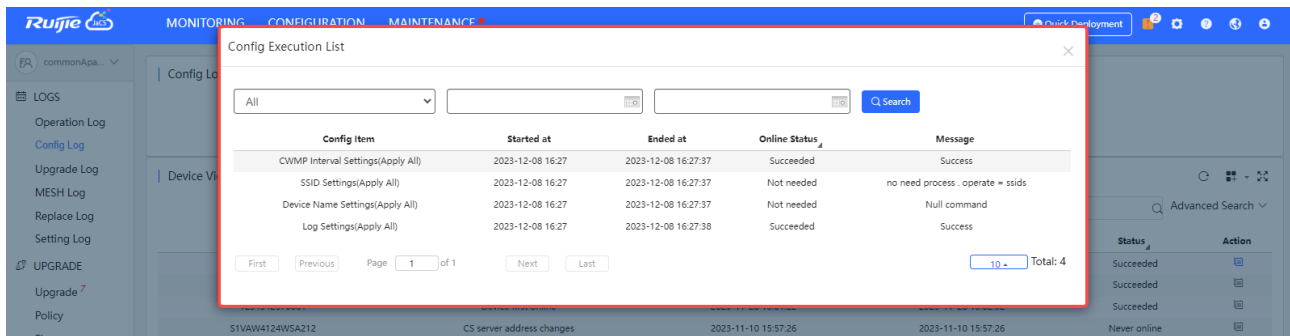
Suppose the operator changes the SSIDs and passwords of two rooms and exports the result.

Although there are offline devices waiting for SSID and password configuration, the overall configuration is completed. The operator can export result and send new SSIDs/passwords to the tenant. When the offline devices go online, the new SSIDs and passwords will be synchronized to the devices automatically.

7.1.2.3 Device View

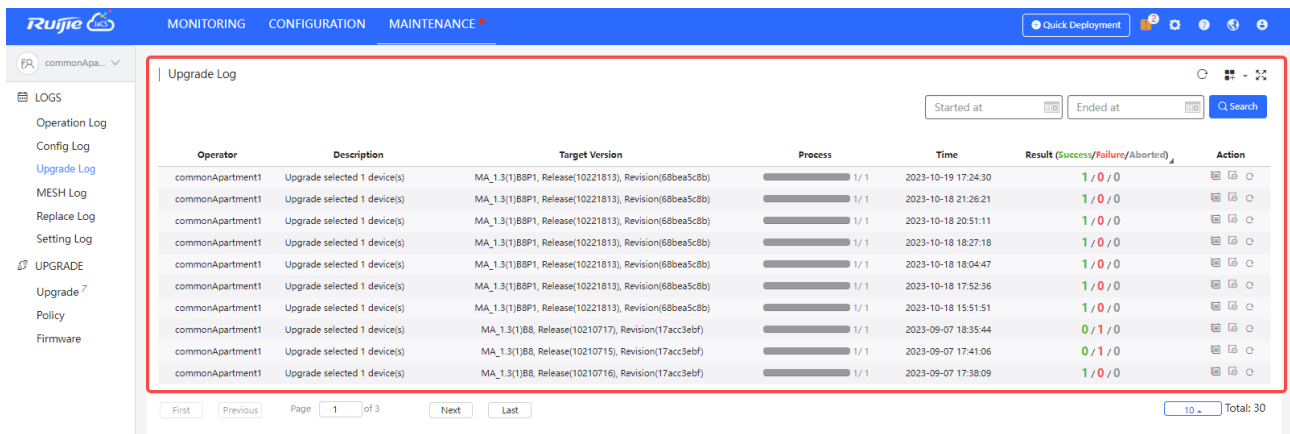
Click in the **Action** column to check the push status of each configuration item.

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7.1.3 Upgrade Log

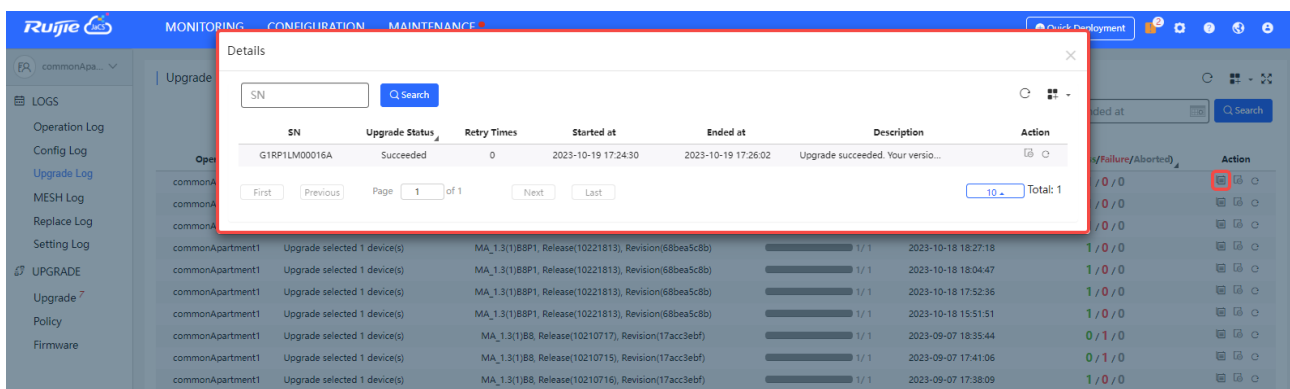
This part provides the upgrade tracing function. You can check the upgrade status, and abort or retry the upgrade.



Retry: Restarts the upgrade task that failed or was aborted.

Abort: Stops the upgrade task if the upgrade command has not been pushed.

Click to check log details.



Retry: Restart the upgrade task.

Abort: Stop the upgrade task.

Abort: You cannot stop the upgrade task if the upgrade command has been pushed to the AP.

Retry: You can only restart the failed or aborted upgrade task.

7.1.4 Mesh Log

The page displays the Mesh logs.

MESH Log

MAC, MESH Network Started at Ended at Q Search

Operation Type	MAC	MESH Network	Created Time	Content
Device online	9c2b.a678.6021	G1RP1LM00016A	2023-08-21 14:11:59	The device [SN:G1RH6XW900001 Model:RG-MA2810] goes online in the mesh network
Device online	9c2b.a6c2.2fb9	G1RP1LM00016A	2023-08-21 14:11:59	The device [SN:G1RP1LM00016A Model:RG-MA2610-PE] goes online in the mesh network
Device online	9c2b.a678.6021	G1RP1LM00016A	2023-08-18 17:53:53	The device [SN:G1RH6XW900001 Model:RG-MA2810] goes online in the mesh network
Device online	9c2b.a6c2.2fb9	G1RP1LM00016A	2023-08-18 17:53:53	The device [SN:G1RP1LM00016A Model:RG-MA2610-PE] goes online in the mesh network
Device online	9c2b.a678.6021	G1RP1LM00016A	2023-08-18 16:32:30	The device [SN:G1RH6XW900001 Model:RG-MA2810] goes online in the mesh network
Device online	9c2b.a6c2.2fb9	G1RP1LM00016A	2023-08-18 16:32:30	The device [SN:G1RP1LM00016A Model:RG-MA2610-PE] goes online in the mesh network
Network is disconnected	9c2b.a678.6021	G1RP1LM00016A	2023-08-16 10:49:08	The device [SN:G1RH6XW900001 Model:RG-MA2810] is disconnected in the mesh network
Network is disconnected	9c2b.a6c2.2fb9	G1RP1LM00016A	2023-08-16 10:49:08	The device [SN:G1RP1LM00016A Model:RG-MA2610-PE] is disconnected in the mesh network
Device offline	9c2b.a678.6021	G1RP1LM00016A	2023-08-02 16:28:07	The device [SN:G1RH6XW900001 Model:RG-MA2810] is offline in the mesh network
Device offline	9c2b.a6c2.2fb9	G1RP1LM00016A	2023-08-02 16:28:07	The device [SN:G1RP1LM00016A Model:RG-MA2610-PE] is offline in the mesh network

First Previous Page 1 of 6 Next Last 10 Total: 52

7.1.5 Replace Log

The page displays the replacement log of switches.

Replacement Log List


SN Started at Ended at Q Search

Replaced Device SN	New Device SN	MAC	Status	Retry Times	Config File	Created Time	Begin Time	End Time	Description	Action
1234942570015	SN0000001	abcd.1234.dcba	Abort	0	1234942570015_1620741662903.txt	2022-05-26 11:06:24	-	-	Stop configuration replacement	-

First Previous Page 1 of 1 Next Last 10 Total: 1

7.1.6 Settings Log

This page displays the information of device-specific configuration, including imported batch number, SN, Status, Network, IP address, Begin Time, End Time, Created Time, Description and Actions.

- Configuration status is displayed in the Status column:
- Processing: The configuration is in progress.
- Failed: The configuration failed to be applied to the device.
- Succeeded: The configuration has been applied to the device.
- Waiting online: The device is waiting to go online.
- The batch number and SN can be used for search.
- You can click  in the **Action** column to jump to the Web of the device.

NO.	SN	status	Network	IP	Begin Time	End Time	Created Time	Description	Action
20220930155934	1234942571995	Success	Apartment	dhcp	2022-09-30 14:59:34	2022-09-30 14:59:34	2022-09-30 14:59:34	Success	-
20220928183917	1234942571995	Success	Apartment	-	2022-09-28 17:39:18	2022-09-28 17:39:18	2022-09-28 17:39:18	Success	-
20220928124314	1234942570359	Success	Apartment	172.20.93.30	2022-09-28 13:54:20	2022-09-28 13:54:20	2022-09-28 11:43:15	Success	🔍
20220927143027	1234942571995	Success	Apartment	-	2022-09-28 12:35:52	2022-09-28 12:35:52	2022-09-27 13:30:27	Success	-
20220926113626	1234942570359	Waiting Online	Apartment	172.20.93.30	-	-	2022-09-26 10:36:27	-	🔍
20220926112827	1234942570359	Success	Apartment	172.20.93.30	2022-09-26 10:28:27	2022-09-26 10:28:27	2022-09-26 10:28:27	Success	🔍
20220926112640	1234942570359	Waiting Online	Apartment	172.20.93.30	-	-	2022-09-26 10:26:41	Success	🔍
20220926112545	1234942570359	Success	Apartment	172.20.93.30	2022-09-26 10:25:46	2022-09-26 10:25:46	2022-09-26 10:25:46	Success	🔍
20220923154422	1234942571995	Success	Apartment	-	2022-09-23 14:44:23	2022-09-23 14:44:23	2022-09-23 14:44:23	Success	-
444	123494257035944	Processing	test	172.168.11.5	2022-09-22 10:33:58	2022-09-22 10:33:58	2022-09-22 10:33:58	Success	🔍

7.2 Upgrade

The following tab pages are provided for device firmware management:

- Upgrade
- Upgrade Policy
- Firmware

7.2.1 Upgrade

Ruijie JaCS supports the online upgrade of device firmware, and it allows network administrators to utilize the latest features and security enhancement for their Ruijie devices. Online upgrade allows administrators to easily arrange the firmware upgrade on their networks and view firmware releases.

The **Upgrade** page includes two modules:

- Version statistics
- Firmware upgrade
- Device List

7.2.1.1 Check Version Information

Select **Maintenance > Upgrade** to display the top 5 versions in pie chart form and a list for each network.

Top Versions

Firmware Version List

Firmware Version	Devices
UNKNOWN	648
AP_RGOS 11.9(4)B1P6, Release(09151815)	12
MA_1.3(1)B5P1, Release(10222414), Revision(9c36d32f)	4
HS2310_RGOS 11.4(1)B90	3
EG_RGOS 11.9(6)B13P4, Release(09240622)	3

Device List

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
Online	1234942570061	V1.5.4-GoogleMap	S1930J-24_TeG	XS-S1930J-24GT45FP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)		Upgrade

7.2.1.2 Upgrade

You can enter the **Upgrade** page in either of the following ways.

Method 1: Hover the mouse over **MAINTENANCE**, a link will appear. Click the link to enter the **Upgrade** page. The default network information is **All**.

Operation Log

Time	Operator	Type	Description	Result	Result Description	Action
2023-12-13 18:30:28	test123	Login	Log in successfully	Success	OK.	
2023-12-13 18:23:07	test123	Login	Log in successfully	Success	OK.	
2023-12-13 18:17:19	test123	Login	Log in successfully	Success	OK.	
2023-12-13 18:05:47	test123	Device	Import [2] devices including [G1509H9023523, NOTONLINEGHN] to group [V1.5.4-GHN].	Success	OK.	
2023-12-13 18:04:59	test123	Device	Import [2] devices including [G1509H9023523, NOTONLINEGHN] to group [2-Google-test].	Success	OK.	
2023-12-13 18:02:51	test123	Device	Add device [SHARETEST001] to group [V1.5.4-GoogleMap].	Success	OK.	
2023-12-13 18:02:34	test123	Device	Add device [G1PT4U100251] to group [V1.5.4-GoogleMap].	Success	OK.	
2023-12-13 17:59:48	test123	Device	Import [4] devices including [G1509H9023523, GHNTES1211, GHNTES121102, NOTONLIN...]	Success	OK.	
2023-12-13 17:59:07	test123	Device	Add device [MAC942570108] to group [V1.5.4-GoogleMap].	Success	OK.	
2023-12-13 17:55:16	test123	Device	Add device [G1NB1Y7001486] to group [1-Google-MAP].	Success	OK.	

Method 2: On the **AP List**, **Switch List** or **Gateway List**, click **New firmware** to open **New Firmware List** window. Then click **Go to Upgrade** to enter the **Upgrade** page, and select and upgrade devices via **Search**.

Unauthorized Switch List

SN	Alias	Status	Network	Added at	Action
No Data					

Switch List

Online Status	SN	MAC	Alias	MGMT IP	Egress IP	Last Seen On	Network	Model	Firmware Version	Description Action
Online	1234942570061	00d0.f822.334a	S1930J-24_TeG	10.52.25.166	140.224.74.123	2023-12-08 15:10:07	V1.5.4-GoogleMap	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	Empty
Online	1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	112.111.1.179	-	1-Google-MAP	XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09141816)	Empty
Offline	1234942570023	00d0.f822.33d6	2910-sw	10.52.24.108	120.35.11.195	2022-12-27 11:28:07	clb-1.5.3-bridge	S2910-24GT45FP-UP-H	S2910_RGOS 11.4(1)B74P1, Release(07232412)	Empty
Offline	1234942570030	5310.1257.002a	5310	192.168.1.7	112.111.1.179	2023-06-01 18:52:07	SW5310-TEST	S5310-24GT4XS	S5310_RGOS 11.4(1)B74P7T1, Release(10151318)	Empty
Offline	1234942570065	00d0.f822.334a	Empty	10.52.24.133	120.35.11.195	-	V1.5.1-EG-TOPO1	XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(09230409)	Empty
Offline	1234942570069	00d0.f822.3350	Empty	10.52.25.124	120.35.11.140	-	AAA_V1.4.7subnet_test	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09200417)	Empty
Offline	1234942570099	00d0.f811.2239	测试中勿动	192.168.3.2	112.5.139.96	2023-10-12 19:45:07	RF-DEVICE-UPGRADE	XS-S1930J-8GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Empty

New Firmware List


Model	Current Version	Hardware Version	Devices	Recommended Version	Action
XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(09230409)	1.1	1	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Go To Upgrade
XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(09222713)	1.20	1	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Go To Upgrade
XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09141816)	1.20	1	XS1930J_RGOS 11.4(1)B70P18, Release(09231020)	Go To Upgrade
XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	1.00	1	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Go To Upgrade
XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(09200417)	1.00	1	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Go To Upgrade
XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P18, Release(09231020)	1.20	1	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	Go To Upgrade

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Online Status SN MAC Alias MGMT IP Egress IP Last Seen On Network Model Firmware Version Description Action

Online	1234942570061	00d0.f822.334a	S1930J-24_TeG	10.52.25.166	140.224.74.123	2023-12-08 15:10:07	V1.5.4-GoogleMap	XS-S1930J-24GT45FP/2GT-P	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	Empty	
Online	1234942573329	00d0.f822.3390	Ruijie	192.168.3.4	112.111.1.179	-	1-Google-MAP	XS-S1930J-18GT25FP-P	XS1930J_RGOS 11.4(1)B70P17, Release(09141816)	Empty	
Offline	1234942570023	00d0.f822.33d6	Z910-sw	10.52.24.108	120.35.11.195	2022-12-27 11:28:07	clb-1.5.3-bridge	S2910-24GT45FP-UP-H	S29_RGOS 11.4(1)B74P1, Release(07232412)	Empty	
Offline	1234942570030	5310.1257.002a	S310	192.168.1.7	112.111.1.179	2023-06-01 18:52:07	SW5310-TEST	S5310-24GT4XS	S53_RGOS 11.4(1)B74P7T1, Release(10151318)	Empty	
Offline	1234942570065	00d0.f822.334a	Empty	10.52.24.133	120.35.11.195	-	V1.5.1-EG-TOP01	XS-S1930J-24GT45FP/2GT	XS1930J_RGOS 11.4(1)B70P18, Release(09230409)	Empty	

Top Versions



Firmware Version List

Firmware Version	Devices
UNKNOWN	648
AP_RGOS 11.9(4)B1P5, Release(09151815)	12
MA_1.3(1)B9P1, Release(10222414), Revision(9c360d32f)	4
HS2310_RGOS 11.4(1)B90	3
EG_RGOS 11.9(6)B13P4, Release(09240622)	3

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Device List

Upgrade Upgrade All 0 Selected

Key SN, Alias, Description Model XS-S1930J-24GT45FP/ Current Version XS1930J_RGOS 11.4(1)B70P18, Release(10131713) Reset Search

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
Online	1234942570061	V1.5.4-GoogleMap	S1930J-24_TeG	XS-S1930J-24GT45FP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)		Upgrade

First Previous Page 1 of 1 Next Last Total: 1

7.2.1.3 Upgrade Devices

For convenience, two upgrade modes are provided:

Upgrade Selected: This mode enables you to upgrade a selected AP, and is suitable for a scenario with a few APs to be upgraded.

Upgrade All: Selects all the devices in the list, and applies to the status when multiple devices require upgrading, and implements a quick upgrade with selected networks and version numbers. This mode enables upgrading of all APs in the list, and is suitable for a scenario with a large number of APs. A network or a firmware version number can be specified to perform fast upgrades.

● Upgrade Selected

Step 1: Select a network on the left, select a target AP, and click **Upgrade**.

The screenshot shows the Ruijie Cloud Maintenance interface. The left sidebar includes 'LOGS' and 'UPGRADE' sections. The main area is divided into three panels:

- Top Versions:** A donut chart showing the distribution of firmware versions across devices.
- Firmware Version List:** A table listing available firmware versions and the number of devices for each.

Firmware Version	Devices
UNKNOWN	4
HS2310_RGOS 11.4(1)B90	2
EG_RGOS 11.9(6)B13P4, Release(09240610)	1
AP_RGOS 11.9(4)B1P5, Release(09151815)	1
XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	1
- Device List:** A table showing the details of the selected device.

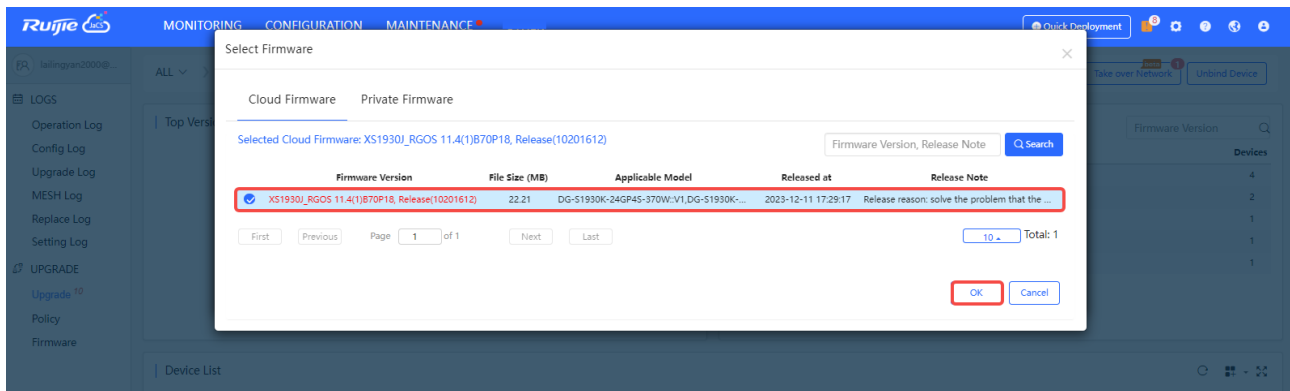
Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Acti
Online	1234942570061	V1.5.4-GoogleMap	S1930J-24_TeG	XS-S1930J-24GT45FP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P18, Release(10131713)	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)		Upgrade

Step 2: Select a firmware version.

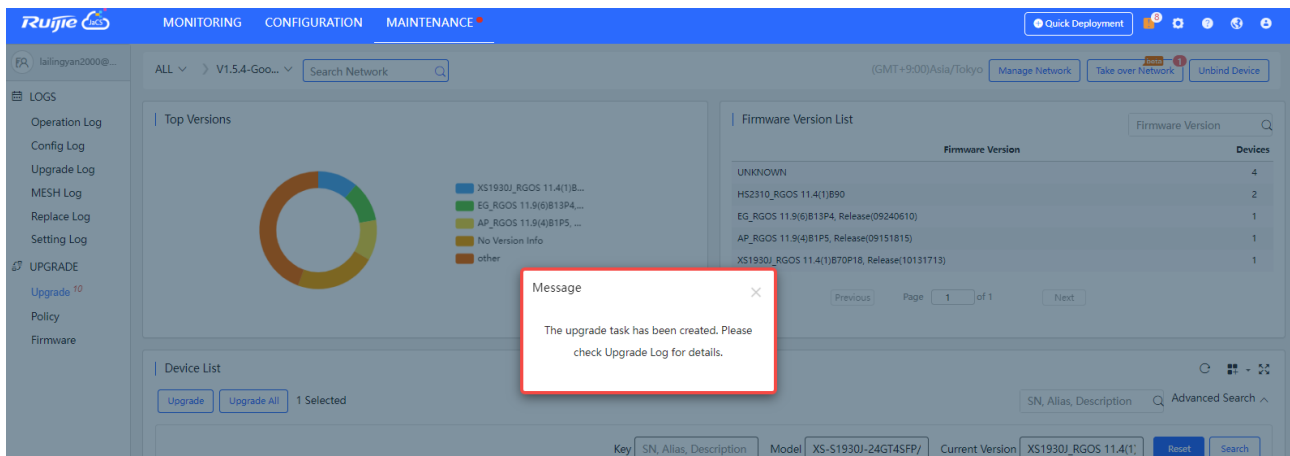
On the **Upgrade** page, you can check the device information and the details of versions, choose a version (the recommended version is the latest one), enable scheduled upgrade and set retry times if the upgrade fails.

The screenshot shows the 'Upgrade' dialog box overlaid on the Maintenance page. The dialog box contains the following information:

- Check In Maintenance > Log > Upgrade Log**
- SN:** 1234942570061 **Model:** XS-S1930J-24GT45FP... **Hardware Version:** 1.00 **Current Version:** XS1930J_RGOS 11.4(1)B70P18, Release(1...
- Upgrade Version:** XS1930J_RGOS 11.4(1)B70P18, Release(10201612) **Firmware Details** (with a 'Select Firmware' button)
- Upgrade Device:** 1
- ☐ **Scheduled Upgrade**
- Advanced Settings** (with a dropdown arrow)
- Start Upgrade** and **Cancel** buttons at the bottom.

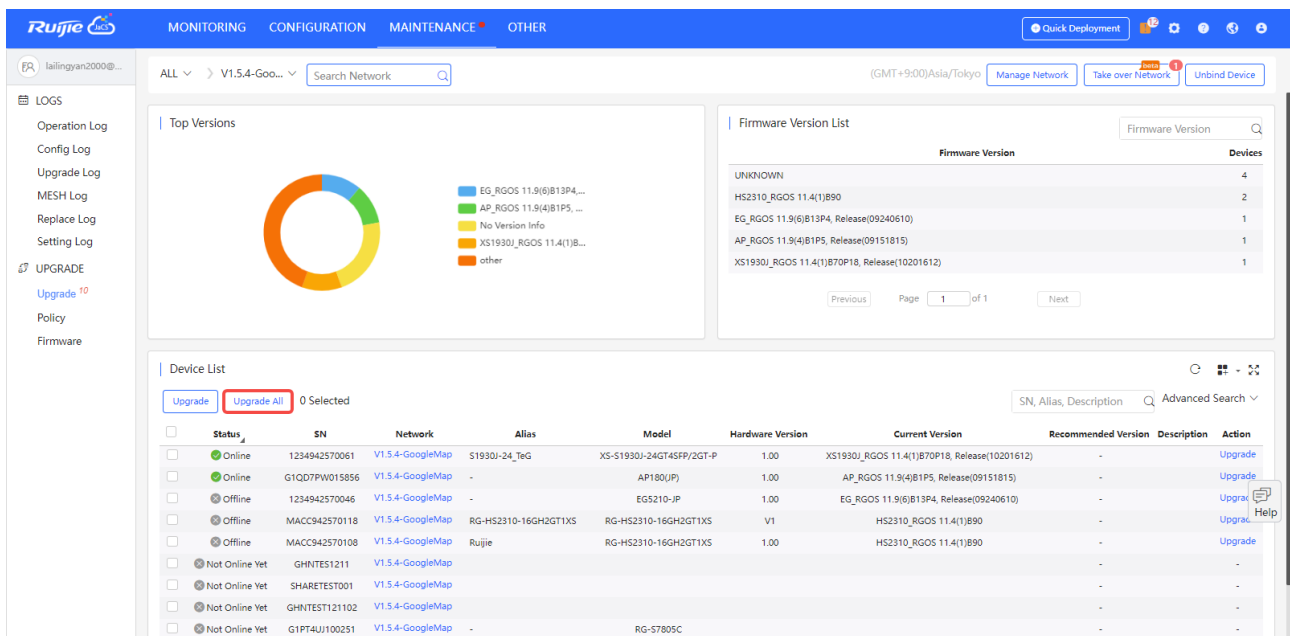


Step 3: Click **Start Upgrade** to upgrade the device.

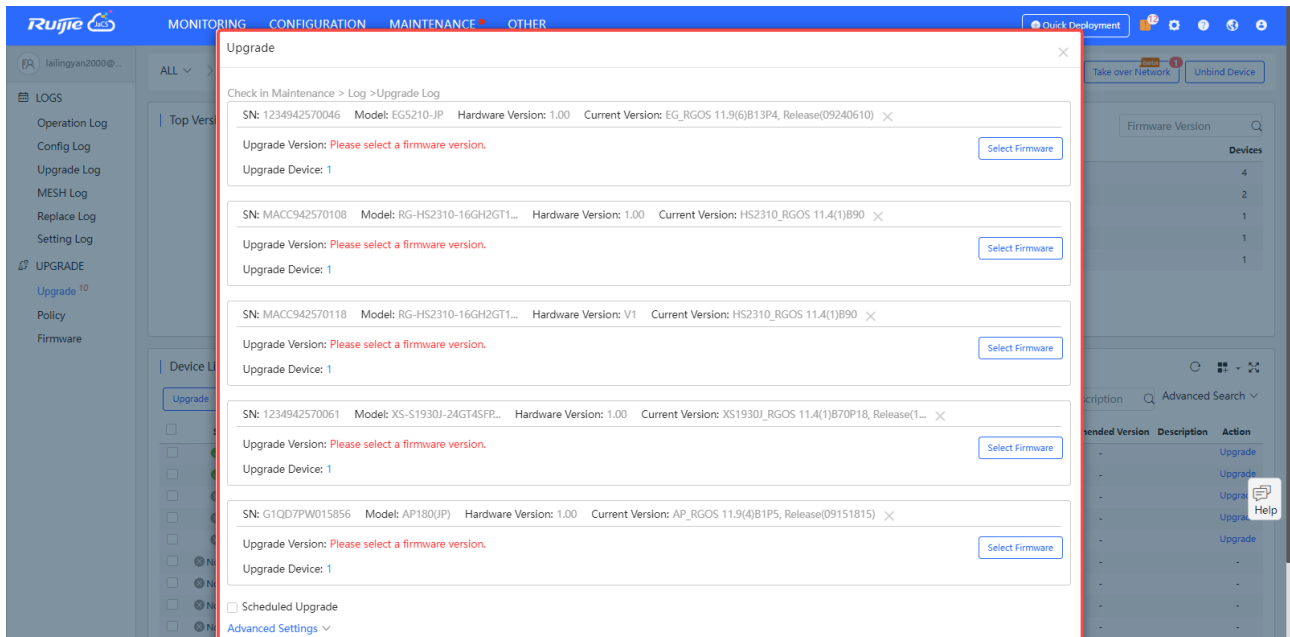


● Upgrade All

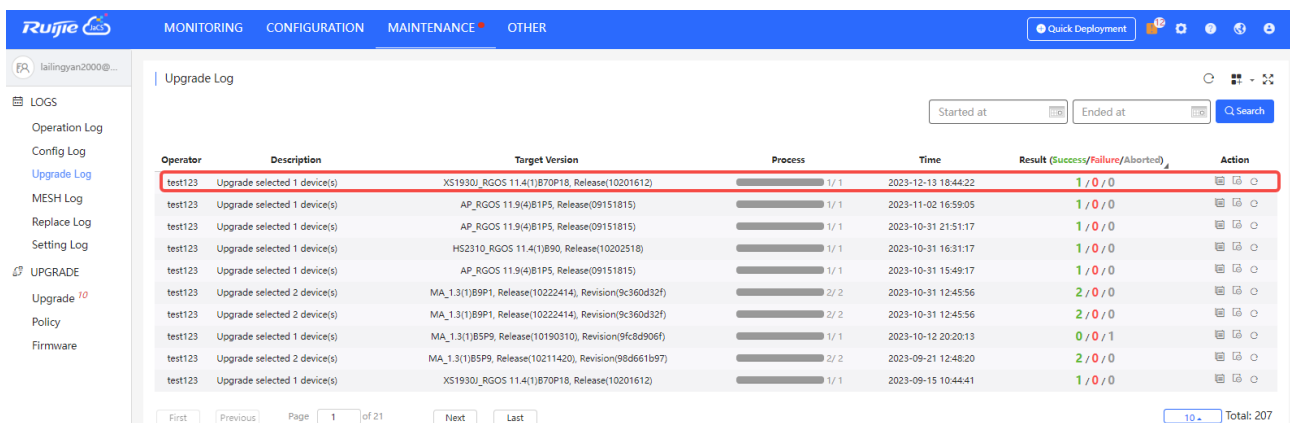
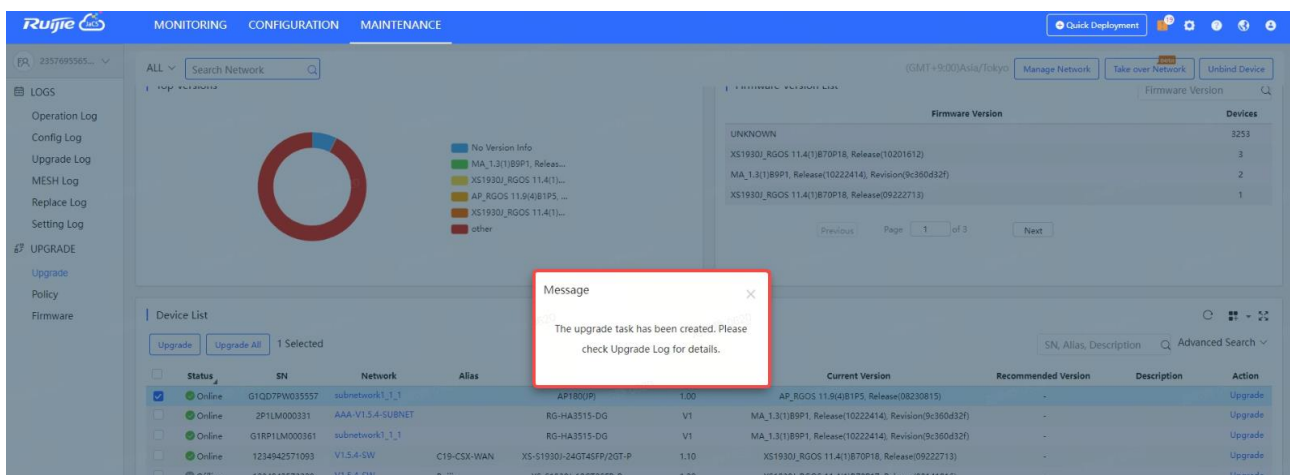
Step 1: Check the devices list based on a condition, and click **Upgrade All**.



Step 2: Select the version and click **Start Upgrade**



Set the update criteria and click **Start Upgrade**, and a message box will pop up. Users can check details in **LOGS > Upgrade Log**.



If the upgrade is successful, log will show **Upgrade succeeded**.

Details

Search:

SN	Upgrade Status	Retry Times	Started at	Ended at	Description	Action
1234942570061	Succeeded	0	2023-12-13 18:44:22	2023-12-13 18:54:17	Upgrade succeeded. Your versio...	

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Check the results in the **Recommend Version** of Device List.

Device List

Upgrade Upgrade All 0 Selected

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
Online	1234942570061	V1.5.4-GoogleMap	S1930J-24_TeG	XS-S1930J-24GT45FP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	-		Upgrade
Online	G1QD7PW015856	V1.5.4-GoogleMap	-	AP180(JP)	1.00	AP_RGOS 11.9(4)B1P5, Release(09151815)	-		Upgrade
Online	1234942570046	V1.5.4-GoogleMap	-	EG5210-JP	1.00	EG_RGOS 11.9(6)B13P4, Release(09240610)	-		Upgrade
Offline	MACC942570118	V1.5.4-GoogleMap	RG-HS2310-16GH2GT1XS	RG-HS2310-16GH2GT1XS	V1	HS2310_RGOS 11.4(1)B90	-		Upgrade
Offline	MACC942570108	V1.5.4-GoogleMap	Ruijie	RG-HS2310-16GH2GT1XS	1.00	HS2310_RGOS 11.4(1)B90	-		Upgrade
Not Online Yet	GHNTES1211	V1.5.4-GoogleMap	-	-	-	-	-		-
Not Online Yet	SHARETEST001	V1.5.4-GoogleMap	-	-	-	-	-		-
Not Online Yet	GHNTES121102	V1.5.4-GoogleMap	-	-	-	-	-		-

The numbers of devices which have available firmware for upgrade in **MAINTENANCE** Menu and **Upgrade** in Navigation Bar will change accordingly.

Upgrade 9

Device List

Upgrade Upgrade All 0 Selected

Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
Online	1234942570061	V1.5.4-GoogleMap	S1930J-24_TeG	XS-S1930J-24GT45FP/2GT-P	1.00	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	-		Upgrade
Online	G1QD7PW015856	V1.5.4-GoogleMap	-	AP180(JP)	1.00	AP_RGOS 11.9(4)B1P5, Release(09151815)	-		Upgrade
Online	1234942570046	V1.5.4-GoogleMap	-	EG5210-JP	1.00	EG_RGOS 11.9(6)B13P4, Release(09240610)	-		Upgrade
Offline	MACC942570118	V1.5.4-GoogleMap	RG-HS2310-16GH2GT1XS	RG-HS2310-16GH2GT1XS	V1	HS2310_RGOS 11.4(1)B90	-		Upgrade
Offline	MACC942570108	V1.5.4-GoogleMap	Ruijie	RG-HS2310-16GH2GT1XS	1.00	HS2310_RGOS 11.4(1)B90	-		Upgrade
Not Online Yet	GHNTES1211	V1.5.4-GoogleMap	-	-	-	-	-		-

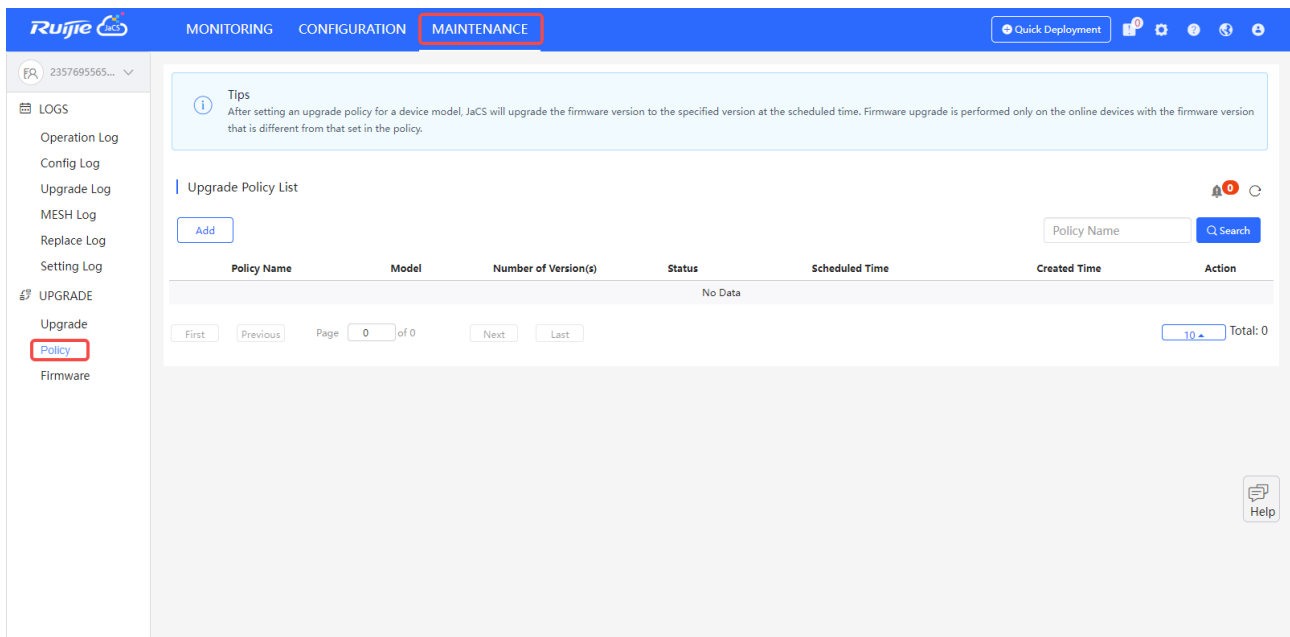
7.2.2 Upgrade Policy

In **Upgrade Policy** page, you can create an upgrade policy for devices in a network to upgrade their firmware at a specific time.

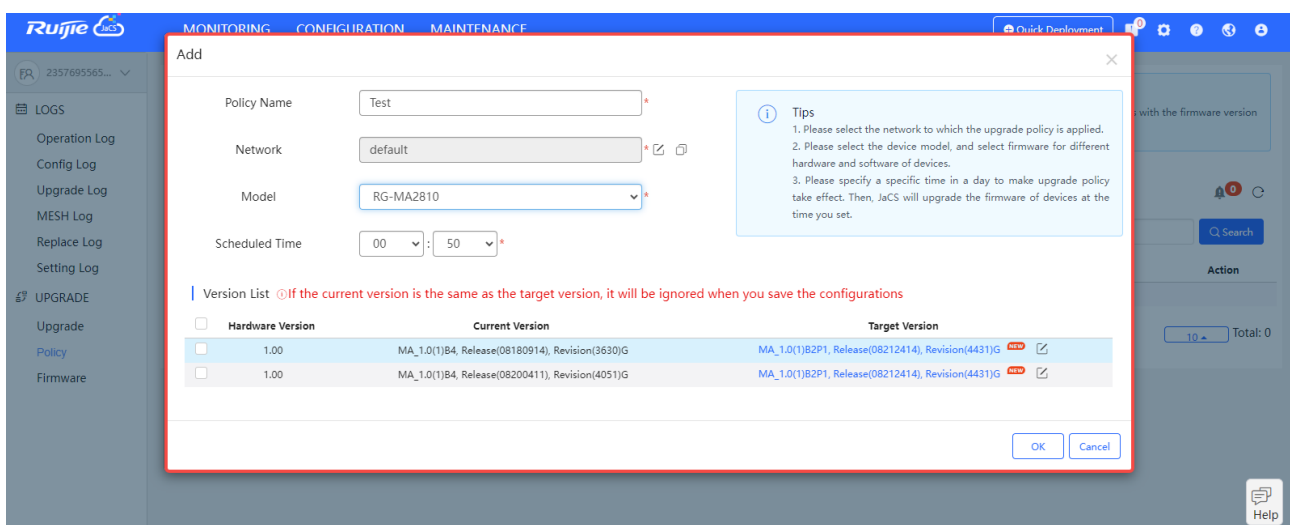
- i** This feature is applicable only to MA and AP180 series access points, and cannot be used in sub accounts and configured for a network shared by another account.

7.2.2.1 Adding an Upgrade Policy




Step 1: Go to **MAINTENANCE > UPGRADE > Policy** and click **Add** to open the setting page.



Step 2: Specify the **policy name**, **network** and **model** and **scheduled time**, and select a **hardware version** in the **Version List**.

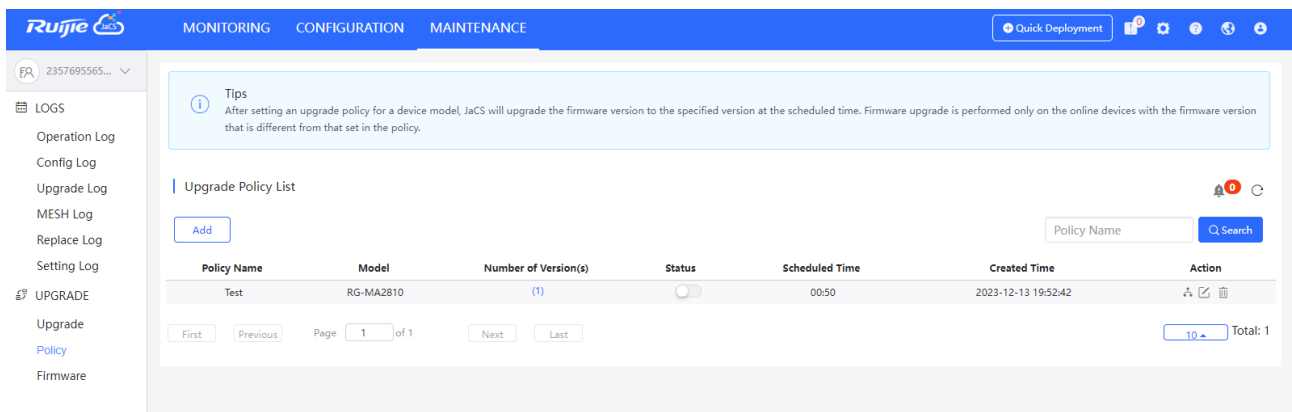


Items	Description
Policy Name	Specify a unique policy name.

Network	Specify one or several network(s) to which the upgrade policy is applied to. Then, the policy will be applied to all devices in the network(s). You can click  to select networks or click  to use the network configured in an existing network.
Model	Specify a device model. Only one upgrade policy can be configured for a device model. (Only for MA and AP180 series access points.)
Scheduled Time	Specify an upgrade time so that the firmware of specified devices in the network will be upgraded to the target version at the time you set.
Version List	Specify the target firmware version. The versions shown in the target firmware version column are recommended versions. If you don't want the recommended version, you can click  icon to change it.




7.2.2.2 Upgrade Policy List

In the **Upgrade Policy List**, you can check the details about configured upgrade policies, including their names, models, number of available versions, status, scheduled time and created time.



The screenshot displays the 'Upgrade Policy List' in the Ruijie Management System. The table lists one policy named 'Test' for the model 'RG-MA2810'. It shows 1 available version, is currently 'On' (indicated by a toggle switch), and is scheduled for '00:50'. The policy was created on '2023-12-13 19:52:42'. The 'Action' column provides three icons for managing the policy: a network icon to change the network, an edit icon to modify the policy, and a delete icon to remove the policy. The interface also features a search bar, pagination (Page 1 of 1), and a total count of 1 policy.

In the **Action** column, three icons are provided.

Icons	Description
	Change the network.
	Edit the upgrade policy.
	Delete the upgrade policy.

7.2.2.3 Upgrade Logs

Click **MAINTENANCE > LOGS > Upgrade Log** to display upgrade results.

Operator	Description	Target Version	Process	Time	Result (Success/Failure/Aborted)	Action
test123	Upgrade selected 1 device(s)	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	1 / 1	2023-12-13 18:44:22	1 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	AP_RGOS 11.9(4)B1P5, Release(09151815)	1 / 1	2023-11-02 16:59:05	1 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	AP_RGOS 11.9(4)B1P5, Release(09151815)	1 / 1	2023-10-31 21:51:17	1 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	HS2310_RGOS 11.4(1)B90, Release(10202518)	1 / 1	2023-10-31 16:31:17	1 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	AP_RGOS 11.9(4)B1P5, Release(09151815)	1 / 1	2023-10-31 15:49:17	1 / 0 / 0	Go To Upgrade
test123	Upgrade selected 2 device(s)	MA_1.3(1)B9P1, Release(10222414), Revision(9c360d32f)	2 / 2	2023-10-31 12:45:56	2 / 0 / 0	Go To Upgrade
test123	Upgrade selected 2 device(s)	MA_1.3(1)B9P1, Release(10222414), Revision(9c360d32f)	2 / 2	2023-10-31 12:45:56	2 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	MA_1.3(1)B5P9, Release(10190310), Revision(9fc8d906f)	1 / 1	2023-10-12 20:20:21	0 / 0 / 1	Go To Upgrade
test123	Upgrade selected 2 device(s)	MA_1.3(1)B5P9, Release(10211420), Revision(98d661b97)	2 / 2	2023-09-21 12:48:20	2 / 0 / 0	Go To Upgrade
test123	Upgrade selected 1 device(s)	XS1930J_RGOS 11.4(1)B70P18, Release(10201612)	1 / 1	2023-09-15 10:44:41	1 / 0 / 0	Go To Upgrade

7.2.3 Firmware

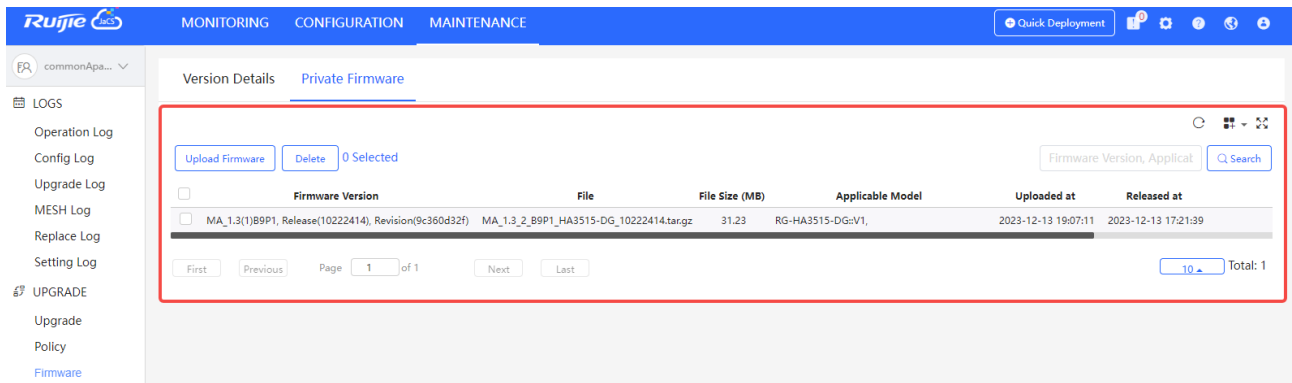
7.2.3.1 Version Details

The **Version Details** list displays the versions of firmware installed on all devices. Click **Go To Upgrade** in the **Action** column to open the **MAINTENANCE > UPGRADE > Upgrade** page.

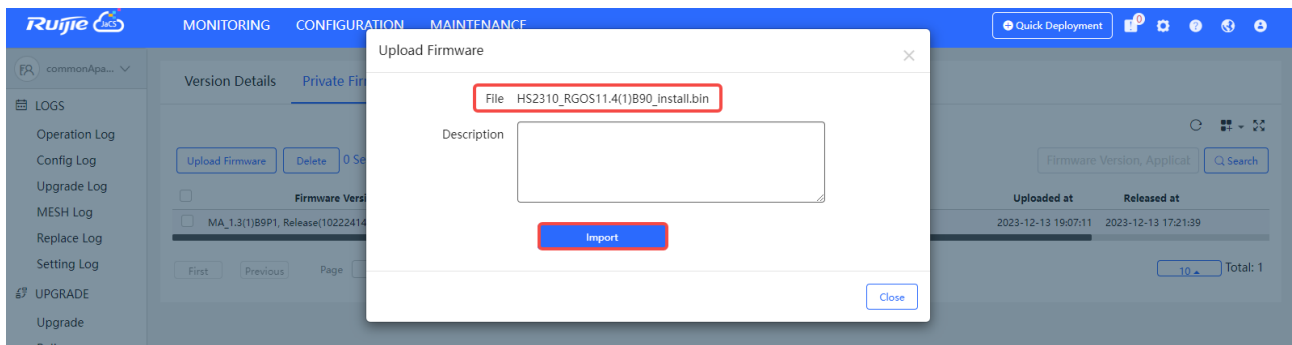
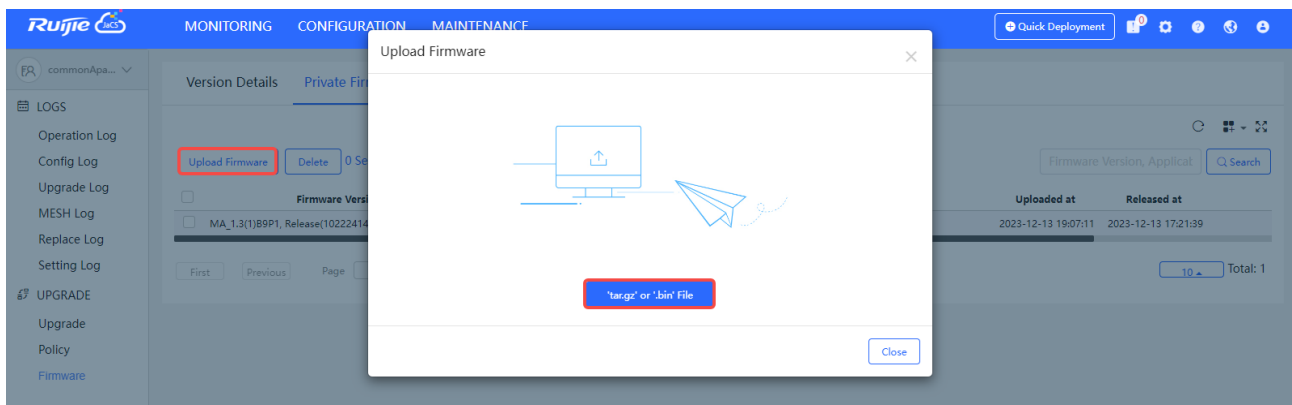
Model	Current Version	Hardware Version	Devices	Recommended Version	Action
AP180(UP)	AP_RGOS 11.9(4)B1P3, Release(07211112)	1.00	3	AP_RGOS 11.9(4)B1P5, Release(09151815)	Go To Upgrade
AP850-IV2)	AP_RGOS 11.9(6)B1, Release(07181702)	1.00	1	AP_RGOS 11.9(6)B1, Release(08130813)	Go To Upgrade
AP180-AC	AP_RGOS 11.9(4)B1P7, Release(09151815)	3.00	1	AP_RGOS 11.9(4)B1P5, Release(09151815)	Go To Upgrade
RG-MA2810	MA_1.0(1)B4, Release(08180914), Revision(3630G)	1.00	1	MA_1.0(1)B2P1, Release(08212414), Revision(4431G)	Go To Upgrade
AP180-PE	AP_RGOS 11.9(4)B1P7	3.00	1	AP_RGOS 11.9(4)B1P5, Release(09151815)	Go To Upgrade
UNKNOWN	UNKNOWN	UNKNOWN	21810	-	Go To Upgrade
AP680(CD)	AP_RGOS 11.9(6)W2, Release(09231127)	4.00	2	-	Go To Upgrade
RG-MC5530-P	MA_1.1(1)B5P6, Release(10131619), Revision(e974d6c08)	V2	1	-	Go To Upgrade
RG-MA2610-PE	MA_1.3(1)B8P1, Release(10233020), Revision(4f7851731)	2.00	1	-	Go To Upgrade
NBR6215-E	NBR_RGOS 11.9(6)B13P1, Release(10151423)	1.00	1	-	Go To Upgrade


7.2.3.2 Private Firmware

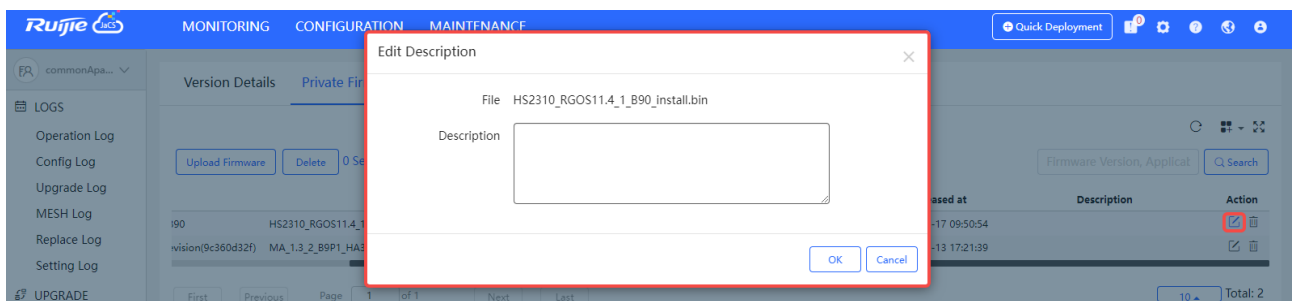
The **Private Firmware** list displays the private firmware uploaded by all accounts under a tenant.



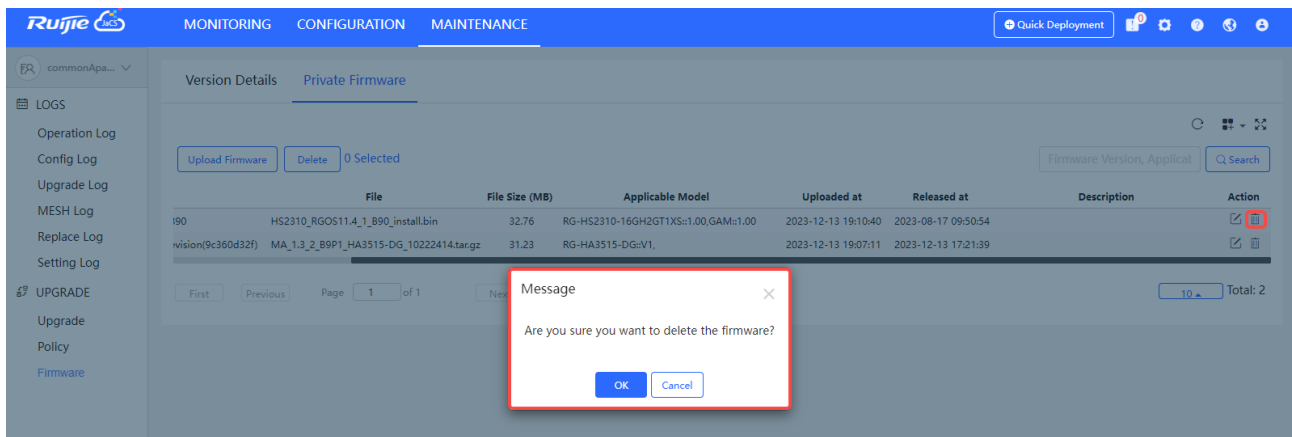
Click **Upload Firmware**, and then click **'tar.gz'** or **'bin'** File to upload a private firmware.



Click  in the **Action** column to edit the **Description** of firmware.




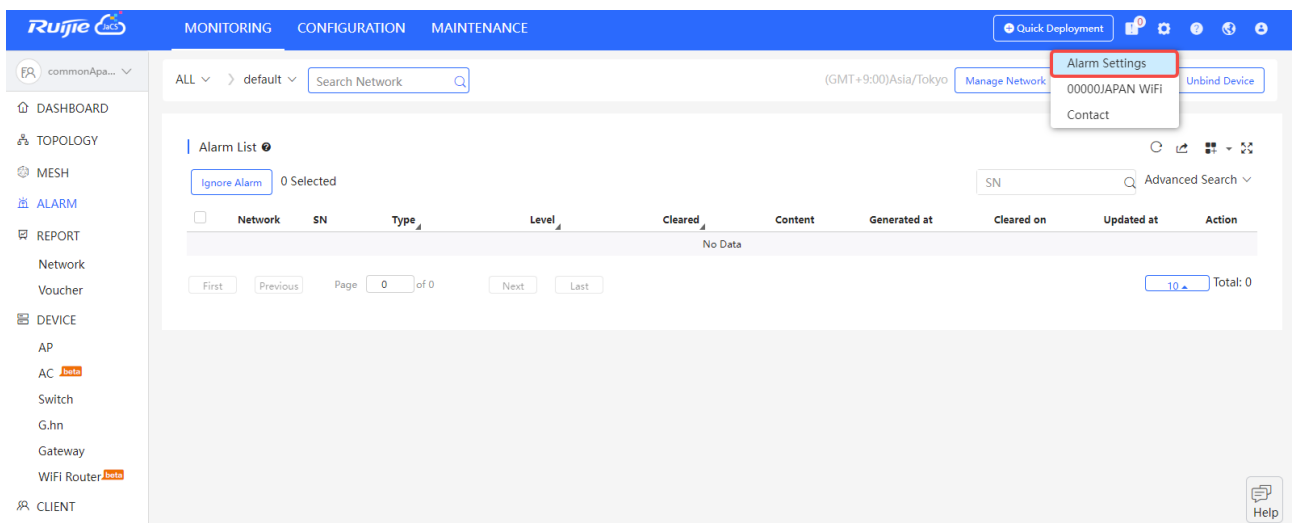
Click **Delete** or  in the **Action** column to delete private firmware.



8 System Settings

8.1 Alarm Settings

Click  in the upper right corner and select **Alarm Settings**. The **Alarm Settings** page is displayed for alarm parameter configuration.



Alarm settings are configured by network. If no alarm settings are configured, the global settings are adopted.

On the **Alarm Settings** page, you can configure to receive alarms or not and in which way. When the **Status** is enabled, alarm information is displayed on the **Alarm** page. Alarms can be pushed via Email only when the **Status** is enabled. When the **Email Alarm** is enabled, alarms will be pushed via Email to the contacts in the **Contact List** of the network.


 To use the **Email Alarm** function, click  and select **Contact** to set the Email address.

8.2 00000JAPAN WiFi

00000JAPAN WiFi is a free Wi-Fi with no requirement for authentication. In disaster, it can be quickly enabled and deployed to provide Internet access.

00000JAPAN WiFi can be enabled by one click. As long as the layer-1 network is enabled, the devices of this network and its sub networks will be turned on as well. When the layer-1 network is disabled, the devices will be turned off.

Click  in the upper right corner, and select **00000JAPAN WiFi** to open the configuration page.

Click  in the **Action** column to edit the 00000JAPAN WiFi setting.

The screenshot shows the Ruijie eWeb/CLI interface with the 'CONFIGURATION' tab selected. A note at the top states: "Note: For the Apartment Network, 00000JAPAN WiFi is not delivered to device in the following cases: 1. Add/move the device; 2. When the device is offline, Wi-Fi settings is changed by eWeb/CLI; 3. The number of SSIDs has reached the upper limit; 4. Wi-Fi is not configured on the device or not synced from the device within 48 hours". Below the note is a table titled '00000JAPAN WiFi Setting'.

Network	Status	Scenario	Online AP(s)	Total AP(s)	Action
default	OFF	Hotel	0	3	<input checked="" type="checkbox"/>
hotel	OFF	Hotel	0	1	<input checked="" type="checkbox"/>
Eason_apart_001	OFF	Apartment	0	70	<input checked="" type="checkbox"/>
huge_test_network_apart1	OFF	Apartment	0	0	<input checked="" type="checkbox"/>
3333	OFF	Hotel	0	1	<input checked="" type="checkbox"/>
Eason_apart_002	OFF	Apartment	0	0	<input checked="" type="checkbox"/>
Test1	OFF	Hotel	0	0	<input checked="" type="checkbox"/>
Eason_hotel_test1	OFF	Hotel	0	0	<input checked="" type="checkbox"/>

An 'Edit' dialog box is open, showing a 'Status' toggle switch and 'OK' and 'Cancel' buttons.

8.3 Contact

On the **Contact** page, you can create contact groups, and add contacts to contact groups.

8.3.1 Contact List

Add a contact as the Email recipient.

The screenshot shows the Ruijie eWeb/CLI interface with the 'CONFIGURATION' tab selected. The 'Contact List' section is active, displaying a table with columns: Name, Mobile, Email, Description, and Action. The table is empty, showing 'No Data'. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a 'Total: 0' indicator. An 'Add' button is visible in the bottom right corner of the 'Contact List' section.

The 'Contact Group' section is also visible below the 'Contact List' section, displaying a table with columns: Group, Description, and Action. The table is empty, showing 'No Data'. Below the table are pagination controls: 'First', 'Previous', 'Page 0 of 0', 'Next', 'Last', and a 'Total: 0' indicator. An 'Add' button is visible in the bottom right corner of the 'Contact Group' section.

The screenshot shows the Ruijie eWeb/CLI interface with the 'CONFIGURATION' tab selected. The 'Add/Edit Contact' dialog box is open, showing fields for Name, Email, Mobile, and Description. Each field has a red asterisk indicating it is required. The 'Name' field is filled with 'Name:'. The 'Email' field is filled with 'Email:'. The 'Mobile' field is filled with 'Mobile:'. The 'Description' field is filled with 'Description:'. The dialog box has 'Save' and 'Cancel' buttons at the bottom.

8.3.2 Contact Group


Add a group and move the contacts to the group.

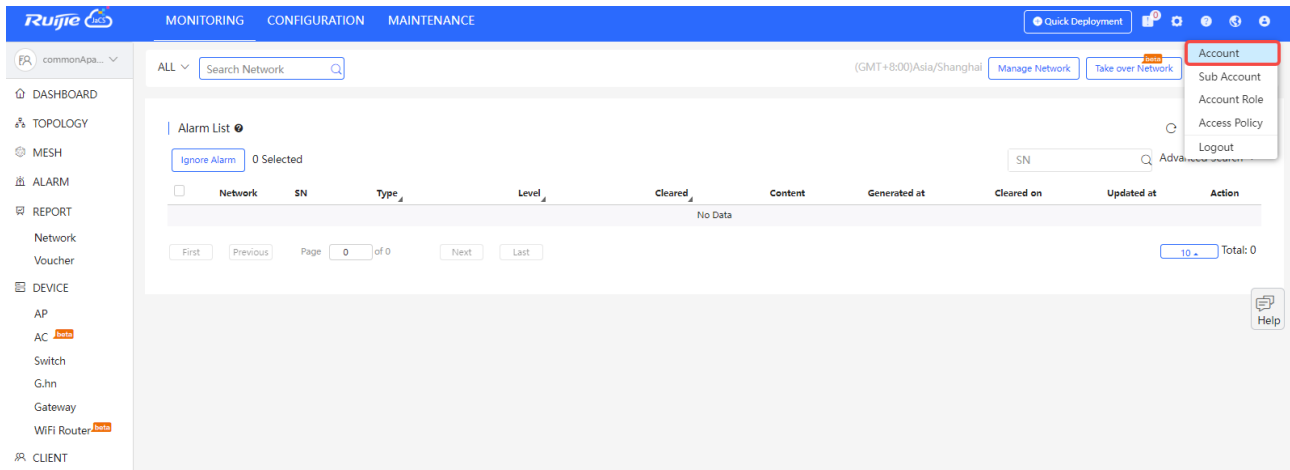
The screenshot displays the Ruijie Cloud management interface. The top navigation bar includes 'MONITORING', 'CONFIGURATION', and 'MAINTENANCE'. The 'Contact List' section shows a table with columns: Name, Mobile, Email, Description, and Action. The table contains one entry with Name '1', Mobile '12545645644', Email 'liuyijing@ruijie.com.cn', and Description '1'. Below the table are pagination controls (First, Previous, Page 0 of 0, Next, Last) and a 'Total: 0' indicator. An 'Add' button is at the bottom right.

The 'Contact Group' section shows a table with columns: Group, Description, and Action. The table contains one entry with Group '1' and Description 'test'. Below the table are pagination controls (First, Previous, Page 1 of 1, Next, Last) and a 'Total: 1' indicator. An 'Add' button is at the bottom right.

An 'Edit Contact Group' dialog box is open, showing the 'Name' field with '1' and the 'Description' field with 'test'. Below these fields are two lists: 'Contact Group' and 'All Contacts'. The 'Contact Group' list is empty, and the 'All Contacts' list contains one entry with '1'. Between the lists are buttons '<< Add to Group' and 'Delete from Group >>'. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

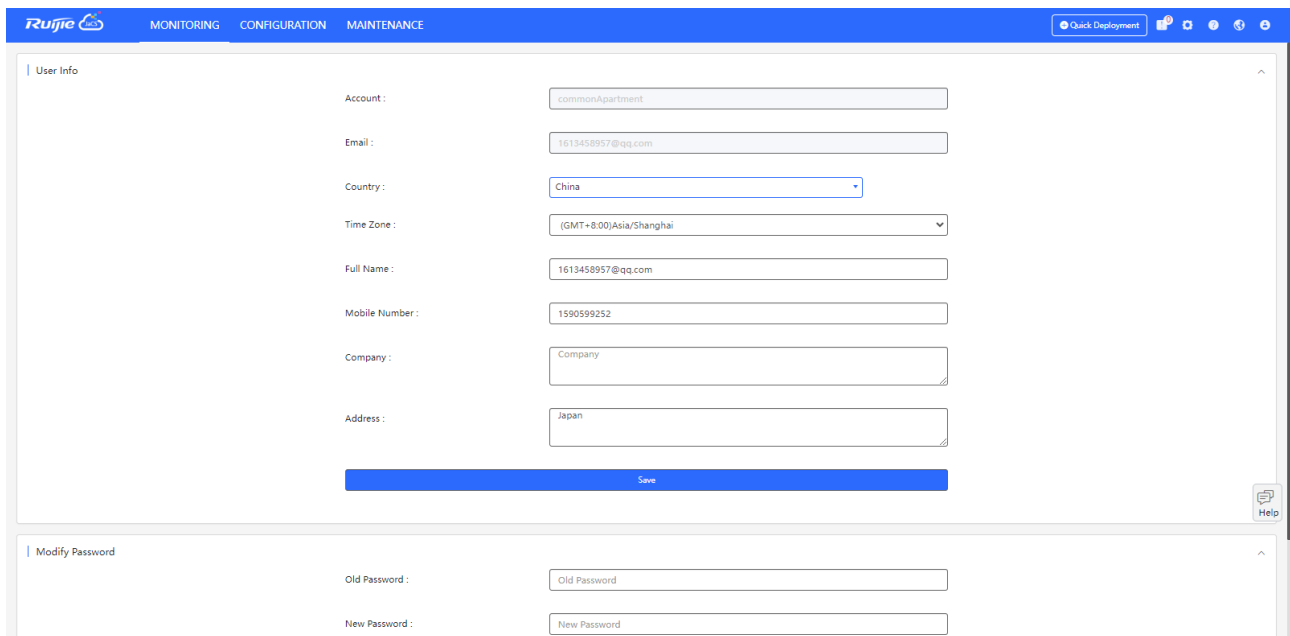
9 Account

Point to  on the upper right corner, the **Account** menu is displayed, which includes **Account**, **Sub Account**, **Account Role**, **Access Policy** and **Logout**.





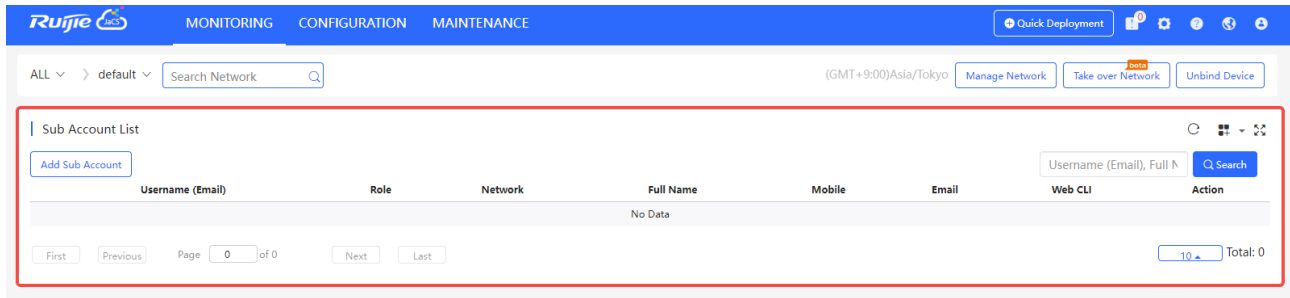
9.1 Account

The **Account** page is divided into the **User Info** area and **Modify Password** area. In the **User Info** area, you can edit the basic information of user (**Username** and **Email** is not allowed to be changed); In the **Modify Password** area, you can change the login password.



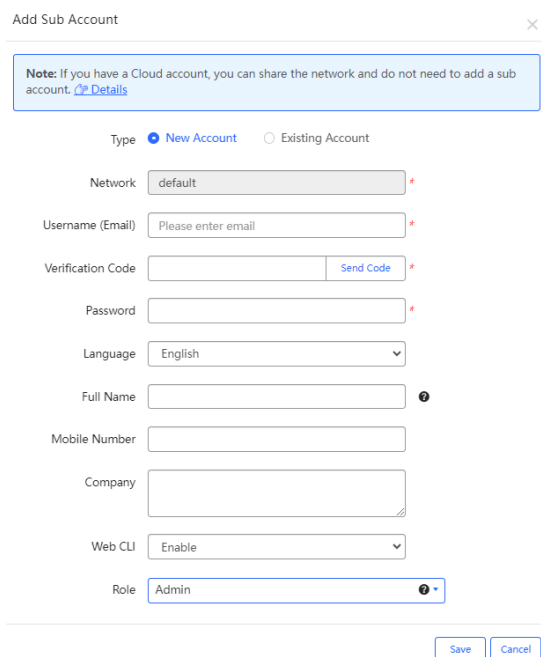
9.2 Sub Account

The **Sub Account List** displays the information of sub accounts. Click  in the **Action** column to edit the sub account. Click  in the **Action** column to delete the sub account.

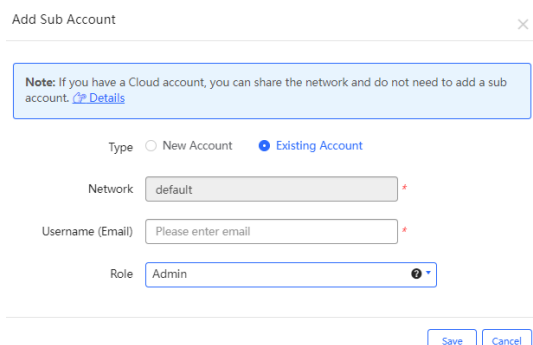


Click **Add Sub Account** to add a new sub account. Select the network, enter the Email in the **Username** box and click **Send Code**. Enter the security code contained in the Email, set the password, language, full name, mobile number and role, and click **Save**.

Role: **Admin** owns the permissions to create an account. **Employee** owns the permissions to edit data. **Operator** owns the permissions to print voucher and view account data. **Guest** owns the permissions to view data. For the custom role, you can customize its read and write permissions.

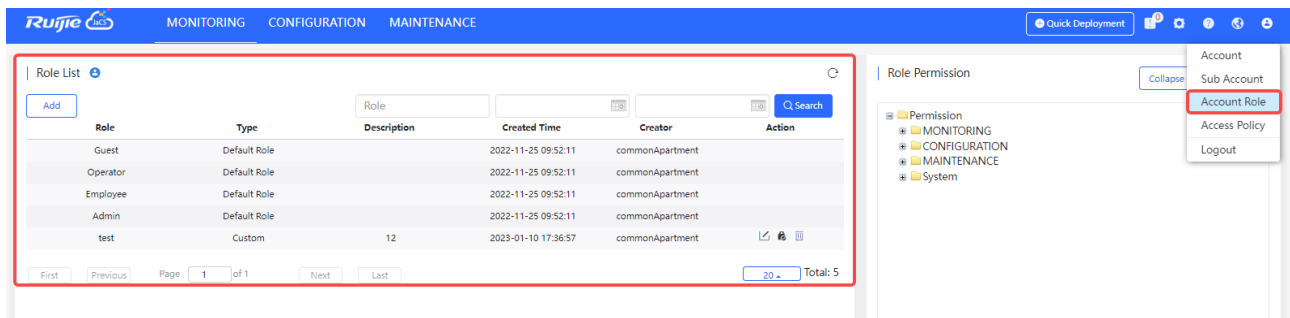


The existing sub account can be added to the network so that a sub account can manage multiple networks.

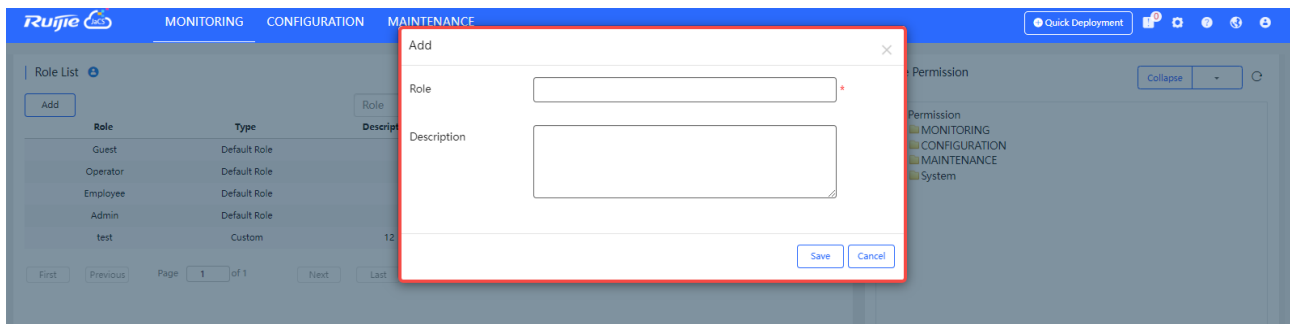


9.3 Account Role

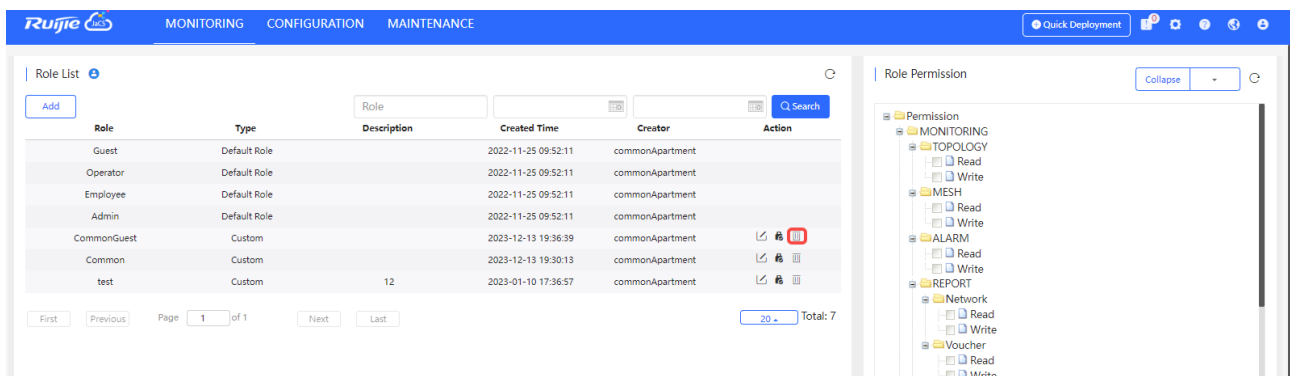
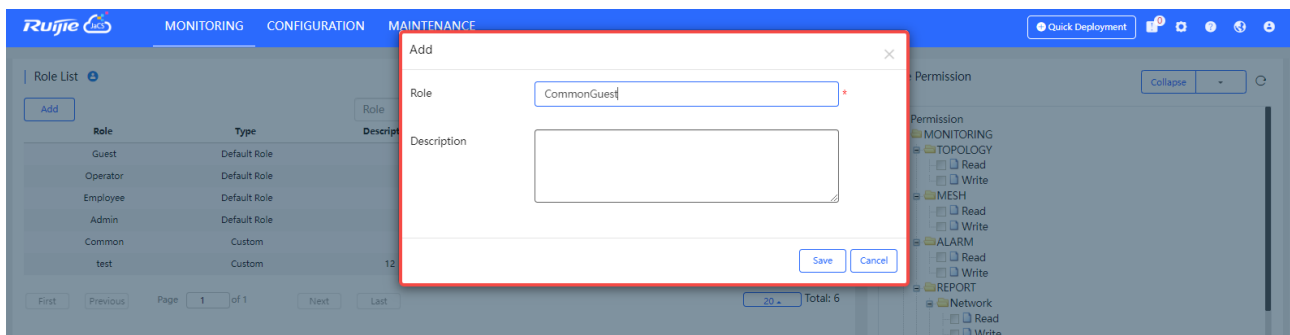
The **Role List** displays all default roles and custom roles of the tenant.



Click **Add** to add a custom role.



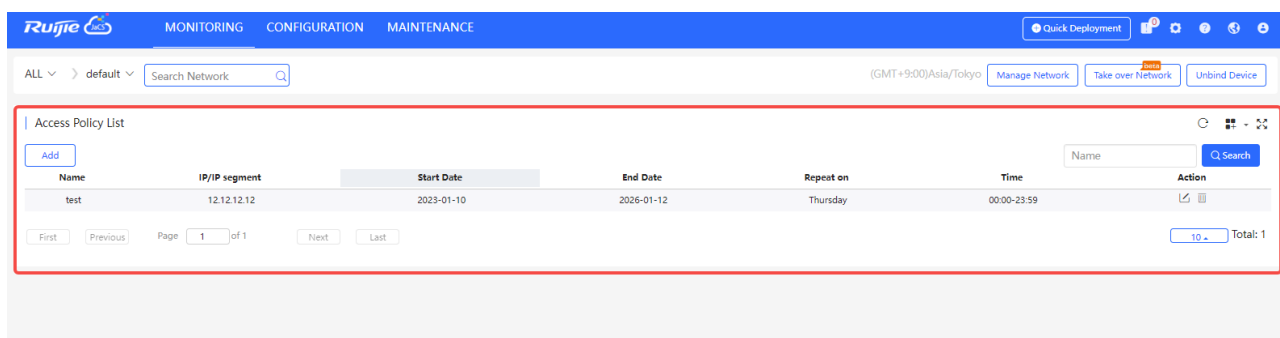
Click  to edit the role; click  to configure the role permissions.



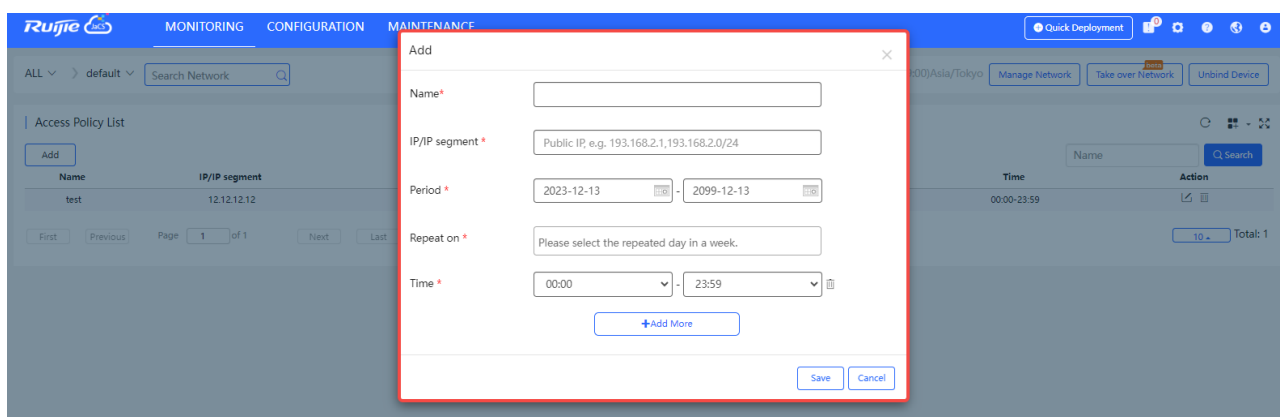
Click  to delete the custom role.


9.4 Access Policy

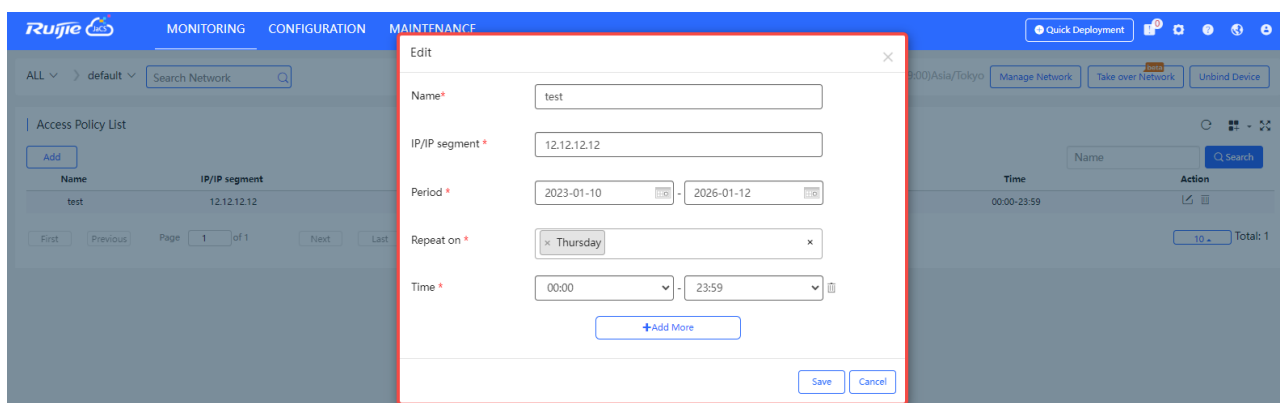
The **Access Policy List** displays all access policies of the tenant.



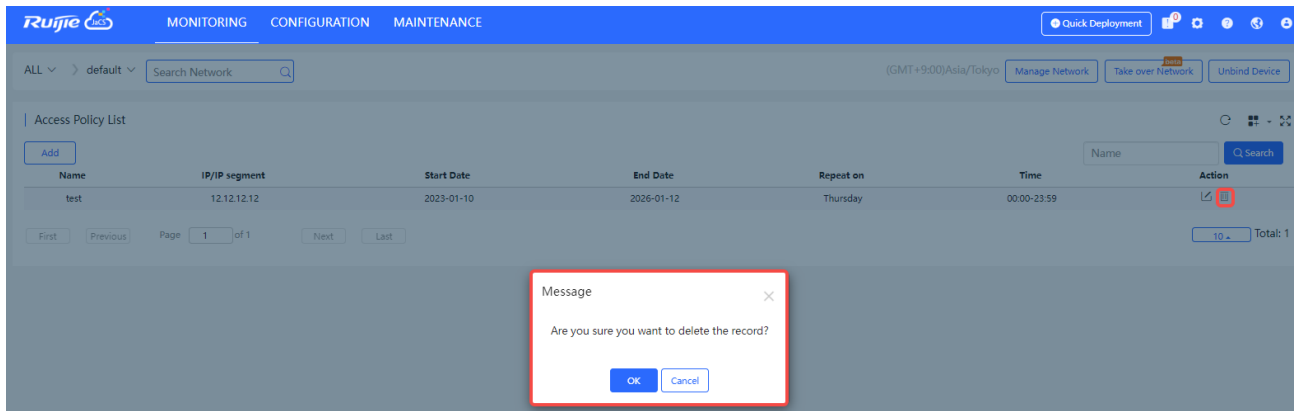
Click **Add** to add a new access policy.



Click  to edit the existing policy.

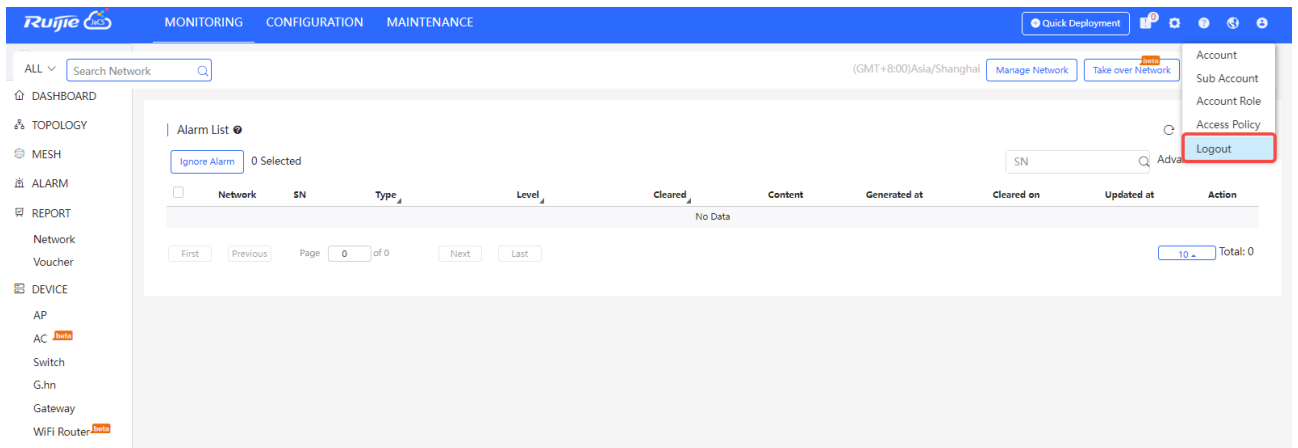


Click  to delete the access policy.



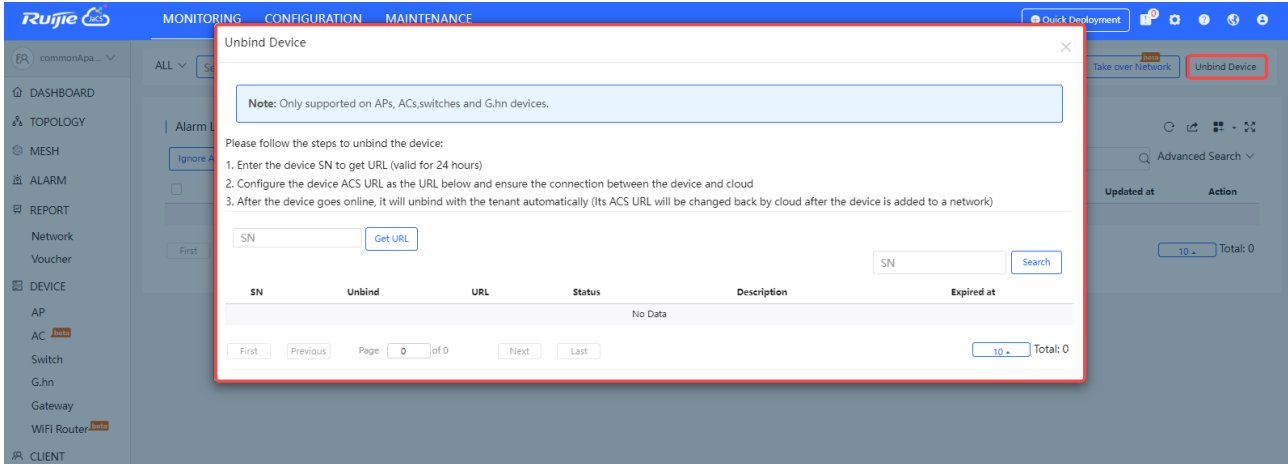
9.5 Logout

Click **Logout** to exit the system and return to the login page.



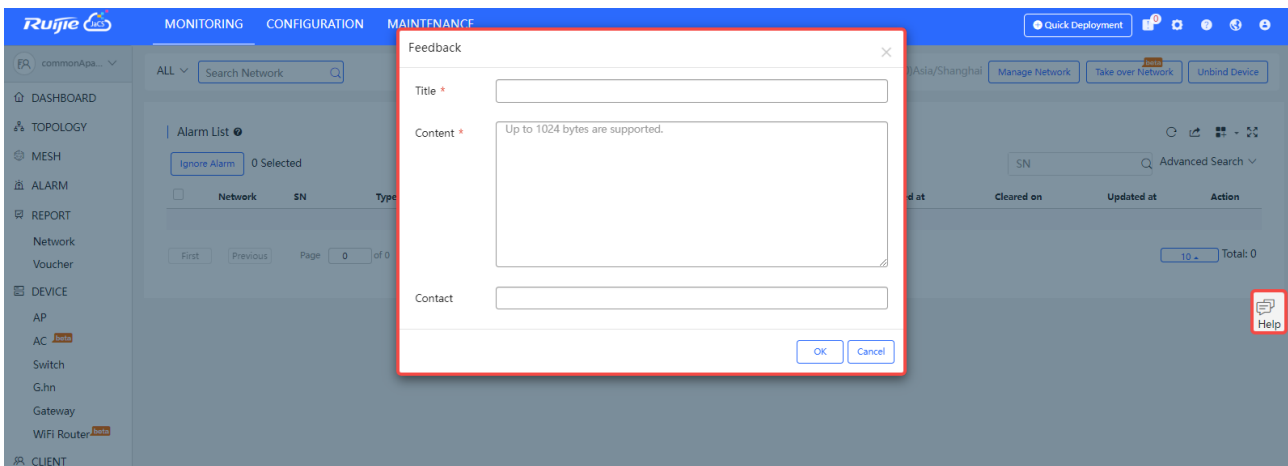
10 Unbind Device

Click **Unbind Device**, enter the device SN to get URL. Configure the ACS URL as the URL on device, and the device will automatically unbind on Cloud.



11 Feedback

You can click the **Help** icon to give feedbacks on the issues you meet or offer suggestions to us.



12 Appendix

12.1 Acronyms and Abbreviations

Acronyms and Abbreviations	Full Name
AP	Access Point
AC	Access Controller
BOSS	Business & Operation Support System
DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name Server
EAP	Extensible Authentication Protocol
EAPOL	EAP over LAN
EAP AKA	Extensible Authentication Protocol Method for 3rd Generation Authentication and Key Agreement
ESSID	Extended Service Set Identification
FTP	File Transfer Protocol
HLR/AuC	Home Location Register
HTTP	Hypertext Transfer Protocol
IMSI	International Mobile Subscriber Identification
MSISDN	Mobile Subscriber ISDN
NAT	Network Address Translation
PAT	Port Address Translation
Radius	Remote Authentication Dial In User Service
SNMP	Simple Network Management Protocol
SSID	Service Set Identifier
UDP	User Datagram Protocol
VPN	Virtual Private Network
WEP	Wired Equivalent Privacy
WPA	Wi-Fi Protected Access
WAPI	Wireless LAN Authentication and Privacy Infrastructure
WLAN	Wireless Local Access Network

12.2 Glossary

Term	Definition
Cloud	Specify the cloud center management end, supports private and public clouds, allows separate deployment of a system of a private cloud version, and provides cloud services of the public cloud version.
Network	Enable the device grouping for easy management of a large quantity of devices. It is recommended that networks be added by geographical location or device use.

12.3 Limitations

No.	Module	Description
1	Device	Up to 200 devices can be imported each time. To import more than 200 devices, users need to do it in batches.
2	Configuration	Configurations of up to 200 devices can be imported each time. To import configurations of over 200 devices, users need to do it in batches.
3	EXCEL template	For the Excel template, only the XLS format is supported.
4	SSID	SSIDs can be made up of numbers, English letters, and “-”.
5	Custom excel template	In an Excel template for customization, A to Z columns and 1 to 15 rows are supported.
6	AP	Account-based policies may fail on some models, such as AP680(CD), where they are disabled by default. In this case, users need to batch apply from the Cloud the web-auth acct-update-interval 1 command to enable those policies.
7	SSID reverse sync	The Cloud does not support SSIDs containing special characters. If such SSIDs are set on end devices, the Cloud will fail to deliver them after they are synchronized to the Cloud.
8	00000JAPAN WiFi	In the Apartment Scenario, if the device goes offline after 00000JAPAN Wi-Fi is enabled, and then goes online after 00000JAPAN Wi-Fi disabled, Cloud will not re-configure the Wi-Fi settings on device. You need to clear 00000JAPAN Wi-Fi configuration manually.
9	AP	In non-apartment Scenario, please clear the configuration on devices except AP180 before bring them online; otherwise, the configuration on devices may be conflict with that on Cloud, and the client may not be able to access the Internet.
10	AP	In non-apartment Scenario, if the working mode (bridge mode or routing mode) of AP180 is different from that on Cloud, the client may not be able to access the Internet.
11	TOPOLOGY	<ol style="list-style-type: none"> Only devices connected to the downlink port of the switch can be detected. Only EG5210-JP, XS-1930J series switches, Aps, RG-HS2310-16GH2GT1XS and RG-HA3515-DG can be displayed in the topology. Only the devices in the same network and subnetwork can be displayed in the topology. DHCP Diagnosis: only supports dynamic IP; the IP address of device can be recognized correctly only after four hours when its address pool range is changed.

		<p>5. When the downlink devices of EG5210-JP are offline, they still can be displayed in the topology for 1 hour, but the traffic information of interfaces cannot be displayed.</p> <p>6. Loop detection is not supported.</p> <p>7. RG-HS2310-16GH2GT1XS and RG-HA3515-DG are displayed in the Topology page only when the root node is RG-HS2310-16GH2GT1XS or when the RG-HS2310-16GH2GT1XS is directly connected to EG5210-JP.</p>
12	TOPOLOGY	<p>The uplink ports of some switches cannot be shielded in the topology as the Cloud fails to identify them.</p> <p>Included:</p> <p>XS-S1930J-8GT2SFP, XS-S1930J-8GT2SFP-P</p> <p>XS-S1930J-18GT2SFP, XS-S1930J-18GT2SFP-P</p> <p>XS-S1930J-24GT4SFP/2GT, XS-S1930J-24GT4SFP/2GT-P</p> <p>XS-S1930J-48GT4SFP</p>
13	Initial Configuration Template	The template can only be applied to AP180 series access points in Apartment networks.
14	CLI Command	Only for AP and CAP series products.
15	WPA3-SAE	Only for MA2610 and MA2810 access points in hotel networks.
16	Device Details-Back Up	Only for apartment networks.
17	Network Management	Level 5 subnetwork group is supported.
18	Upgrade Policy	<p>1. Not supported in sub accounts and networks shared by another networks.</p> <p>2. Only for MA and AP180 series access points.</p> <p>3. Only one upgrade policy can be configured for a device model.</p>
19	Quick Deployment	<p>1. This feature is applicable only to AP180 series access points.</p> <p>2. Switches only can detect the APs that can access wide area networks.</p>
20	RG-HS2310-16GH2GT1XS	Ruijie JaCS doesn't support displaying the configurations of G.hn ports as well as delivering configurations to them.