

Ruijie Cloud

Cookbook



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Preface

Intended Audience

This document is intended for:

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

Technical Support

• The official website of Ruijie: <u>https://www.ruijienetworks.com/</u>

Conventions

1. GUI Symbols

Interface symbol	Description	Example
Boldface	 Button names Window names, tab name, field name and menu items Link 	 Click OK. Select Configure Wizard. Click the Download File link.
>	Multi-level menus items	Select System > Time.

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•	Summary

Product Introduction

1. Ruijie Cloud Service Overview



Ruijie Cloud Service is Ruijie's easy and efficient cloud solutions for chain stores, small and medium-sized businesses and boutique hotels. The solutions include equipment deployment, monitoring, network optimization and operational life cycle 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, it also supports mobile monitoring and alert, and fast provisioning by QR-Code scanning. At the same time, it provides flexible wireless user access control features, including high security "One person, one machine and one password" PPSK, built-in cloud Portal and Facebook certification.

2. Key Features

- a) Unified Device Management
- b) Fast Provisioning by Mobile APP
- c) Secure PPSK Authentication for Staff
- d) Captive Portal & Social Authentication for Guest
- e) Mobile APP Monitoring & Alert

3. Ruijie Cloud Service Feature List

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Deployment	Monitoring		
- Seamless Provisioning with Mobile APP	- Global Google Map Dashboard		
- Startup Wizard Guide for Initial Setup	- Network/Site Overview (Network total user, total traffic)		
- Batch Import for Device Activation	- Device Real-time Monitoring and Alert		
- Device Activation by QR-Code Scanning	- User Experience & Summary Report		
- Flexible Device Group Architecture	- Mobile Network Monitoring and Alert (Mobile APP)		
Optimization	Troubleshooting		
- Auto RF Planning (Power & Channel Optimization) - Band Steering	- Web-Cli Remote Debugging Tool		
Authentication	Advanced Features		
 Hotspot WiFi Portal (1-Click Authentication) Facebook Login PPSK Authentication for Staff 	 Load Balancing Wireless L2&L3 Roaming Multi-level Account Management Firmware Auto Upgrade 		

Quick Start

1. How to Register a new Ruijie Cloud Account

1.1 Ruijie Cloud account registration

```
Step 1 Visit <u>https://cloud.ruijienetworks.com.</u>
```



Step 2 Click Sign up to open the Register page.



Step 3 Select your country and region.



* **Note:** The Server Hosting is determined by country. Please choose your country correctly, or the device may fail to go online. When the selected country or region does not match the current server, the page will automatically refresh without affecting the registration.

Step 4 Select your time zone.



Step 5 Enter your address and password.

* Note: One email address can be registered once only.

Step 6 Verify and confirm the password you enter including the required information field and then click **Sign up**.

* **Note:** 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.

Step 7: When your information had verify and accept by the system, the registration succeeded.



* **Note:** You are required to activate your account immediately to avoid any inconvenience, newly registered account can only be used for 30 days without activation.

Ruijie	MONITORING CON	IFIGURATION MA	INTENANCE			Your account will expire in 29 days
BA abcdefg@777.com	ALL V Search Network	Q				(GMT+8:00)Asia/Hong_Kong Manage Network Unbind Device
5 TOPOLOGY	Overview				Registered Device Distribution	
ă ALARM I REPORT	AP	O 0 in Total	Switch	0 in Total		
Voucher B DEVICE	Gateway	0 0 in Total	Home Router	0		
AP AC Switch	Wireless Bridge	0 in Total	Client	0		Failed to load the map. Please refresh the page.

Step 8 Click to activate your account.

NTENANCE	Your account will expire in 29 days
	(GMT+8:00)Asia/Hong_Kong Manage I
Activate Your Account	
Please activate your account soon, or you may not be able to log in to Ruijie Cloud after the expiration date.	
Activate Now Next Time	

Step 9: Activate your Ruijie Cloud account with the link.

1.2 Password Reset

If you forget your login password when login to Ruijie Cloud, you could reset your password by enter your registered email account.

Step1: Visit https://cloud.ruijienetworks.com.



Step 2: Click Forgot password? and open the Forgot password page.



Step 3: Enter your registered email address for retrieving your Ruijie Cloud account, Click **Get Security Code**, and enter the security code contained in the email into the **Security Code** box.

* **Note:** The email address is generally the same as the account.

Step 4: Enter and confirm your new password.

* **Note:** Passwords should contain three of the four character types, do not use all letters or all numbers and do not use a dictionary word in any language or a permutation. 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.

Step 5: Click **Save**. After your information had verified and accepted by the system, you can use the new password to log in to the system.

2. Ruijie Cloud APP - Quick Provisioning(Ruijie Series)

Ruijie Cloud App provides a quick start to **Create Network** and **Add Device**. You can follow the steps below to complete the provisioning.

Step 1 Tap Create a Project to add a new project.

Ruijie	Cloud	Q Search	E E
Speed Te	st	Tech Support	Demo
My (9)	Shared (85)	+ Create a Project
Project T	уре 🛫	Alarm 👻	Creation Time ~
	TestEV Creation ¹ On-site No device	V Time: 2022–01–28 09 Cloud 2. Only Cloud manage	31:08
	TestNe Creation On-site [etwork Time: 2022-01-21 11:3 Cloud	88:00
	No device	a. Only Cloud manage	ment is supported.
Ēı	Creation T On-site	Time: 2022-01-07 18: Cloud	18:12
Ħ	testQF Creation On-site	Rauth Time: 2022-01-06 11: Cloud	48:30
₽	TestAC Creation T On-site	Time: 2021-12-18 15:: Cloud	20:25
\wedge	rbssho Creation 1	• me Time: 2021-11-28 20:	56:17
Product	ВОМ	Project	Discover My

Step 2 Select Scan or Enter SN.

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Step 3 Scan the QR-code on the back of Ruijie device.



Step 4: Enter your project name together with management password to configure the WLAN settings: SSID, Password and Country-code.

<	Add Project
Add Devi	ce: G1MQ3U600044C
* Type Project Nam	Cloud AC + Fit AP
Managemer	It Password *
Note: if the managemen same with th	device has been configured before, the it password should be configured the ne device password.
SSID *	Please enter the SSID.
Open	
Password *	At least 8 characters
* Scenario	Select project scenario
	ок

Step 5: Enter your created project to manage your network.



Step 6: Tap Tool Kit to do more operations.

Tool Kit

	202	QO	
Proje	et Status	Untim	
Tool Kit			
Tool			
•		8	Œ
Wi-Fi Mgmt	Monitor	Optimize	Add Device
Û	olo	(la	U
Update	Share	Inspect	Reboot
Settings			
æ	C	0	
Device Password	Project Name	Report	
Advanced			
<u>dh</u>	A	23	Â
Smart Flow Control	Alarm On/Off	ntranet Access	s Radio Settings
Topology			
Display Ne	twork Camera		

* **Note:** For S2910 switches and EGs, you need to manually configure the CWMP on the device (Please refer to the Chapter 3.2.3 Connect Device to Ruijie Cloud).

3. Ruijie Cloud APP - Quick provisioning(Reyee series)

When there are only Reyee devices in the network, Ruijie Cloud App provides the quick setup and configuration by self-organizing network(SON).

Step1: Tap Create a Project to add a new project.

Ruijie Cloud Cookbook



Step 2: If only Reyee device in the project, select Connect to Wi-Fi.

Ruijie Cloud Cookbook





Step 3: Please ensure at least 1 router from your network that can assign the IP address.



Step 4: Connect to the SSID starting with "@Ruijie".



Step 5: Return to the App, and Ruijie Cloud will detect your connected devices in the network automatically via SON ability.



Step 6: Enter your project name and management password, and select the scenario.

< Basic Config	
O O Project Config Internet Config Wi-Fi Co	nfig
Project Name * Enter the project name	
Management Password *	
More than 8 letters and numbers	Prest.
For project safety, please ensure the password: ⊘ has at least 8 characters ⊘ contains 3 of these character types: • lowercase letters: abcd • uppercase letters: ABCD • numbers: 0123 • special characters: <=>[]!@#\$*(). ⊘ can not contain "admin" ⊘ can not contain spaces or question marks	
Scenario *	>
Next	
	2010

Step 7: Select your Internet connection type.

⊖ Wi-Fi Config
ect to WAN0)
Static IP
atically nfigure.
1

Step 8: Configure the WLAN settings: SSID, Password and Country-code.

<	Basic Config		
Project Config	Internet Config	Wi-Fi Config	
Name/SSID * Enter the Name/SSID			
Open			
Password * 8 charac	ters at least		> _{byd} e
Radio Country/Regior China	n Code *		2
Tip: Please select your co	ountry or region.		
	Save		

Step 9: Enter the project to manage your network.

_

~

<	Reyee123	Q 0
Hotel Basi	c CCTV Sr Disabled	nart Flow Control IP Disabled
	EG105G-P	
	RAP1200(F) RAP1200	(E)
	Online Client 1	
User Experier	nce	
	No Data	
Egress Bandv	vidth Change Band	width Threshold 27Mbps
Mbps	0	
25		
10- 5- 0- 12:59 15:24	17:55 20:26 22:51 01:17 03	42 06:13 08:39 11:09
Tool Kit	\sim	
IOUL KIL		
Taal		

Monitoring Guidance

1. Dashboard

The Dashboard provides the visual representation of your network's status .

Ruíjie	MONITORING CO	NFIGURATION	MAINTENAI		<mark>9</mark> 000
A ✓ A ✓ A →	ALL ~ Search Network	< Q			(GMT+E:00)AsiaNong_Kong Manage Project Take over Hetwork Unbind Device
A TOPOLOGY	Overview				Registered Device Distribution
道 ALARM 図 REPORT	AP AP	3	Switch	3 11 in Total	
Voucher B DEVICE	Gateway	3 7 in Total	Home Router	1 1 in Total	
AP AC Switch	Wireless Bridge	1 in Total	R Client	2	
Gateway Home Router Bridge	Alarms				
Cameras	13 Uncleared	Тос	lay	4 This Week	
A CLIENT	2.4G / 5G Clients				Channel Distribution and Usage 🛛

1.1 Overview

Overview displays the statistics including of APs, Switches, Gateways and Clients. The **Online** number displays the number of online devices, and the **in Total** numbers displayed the total number of devices had connected to your cloud account.



1.2 MAPs

The **MAPs** displaying the devices distribution by default. Devices are displayed in network, and the numbers on icon indicates the device number. Click the icon, and the device and alarm number will be displayed.



Click icon to bind the network. 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 as well.



1.3 Alarms

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



Uncleared: Displays the uncleared alarms.

Today: Displays the new alarms today.

This Week: Displays total alarms generated in this week.

	MONITORING CONFIGURA	TION MAINTENANC	E 🕈							🗳 🕹	000	•
A abcdefg@111.com ∨	ALL V Search Network: Q							(GMT+8:00)A	sia/Hong_Kong Manag	e Project Take over Network	Unbind Device	0
க் TOPOLOGY	Alarm List Conflic	t Network										
B ALARM	Alarm List @									0 u	t # + 50	
Network	Ignore Alarm 0 Selected								SN	Q Advanc	ed Search 🗸	
Voucher	Network	SN	Туре		Level	Cleared	Content	Generated at	Cleared on	Updated at	Action	
B DEVICE	EG2100	G1MQ3U600181A	Device offline alarm		Major	No		2022-03-15 10:26:08		2022-03-15 10:26:07	Ū	
AP	test123		All device offline		Major	No		2022-03-13 20:44:04		2022-03-13 20:44:03	Ē	
AC	test123	CAPC0YL008237	Device offline alarm		Major	No		2022-03-13 19:37:22	-	2022-03-13 19:37:21	Ē	Ē
Switch	test123	CANLC2R001191	Device offline alarm		Major	No		2022-03-13 19:36:07	-	2022-03-13 19:36:07	盲	0
Galeway	Router RAP	H1QH6RL04578C	Device offline alarm		Major	No		2022-03-10 09:22:08	-	2022-03-10 09:22:07	亩	C.0
Homo Doutor	PPSK		All device offline		Major	No		2022-03-07 09:42:57	-	2022-03-07 09:42:57	1	
Didge	RyeeNetwork1		All device offline		Major	No		2022-02-25 11:36:17		2022-02-25 11:36:17	Û	
bhuge	test123	G1PD391005918	Device offline alarm		Major	No		2022-02-09 17:31:17		2022-02-09 17:31:16	Ū	
A CAMERA	AP710		All device offline		Major	No		2022-01-06 14:52:07		2022-01-06 14:52:06	Ē	
Cameras NVR & CLIENT				First Previous	Page	1 of 1 Ne	Last			10 -	9 in total	

For the detailed alarm information, you can check on this page:

1.4 2.4G / 5G Clients

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



Click on the chart to view the numbers and percentage of clients for 2.4G or 5G.

2.4G: Clients using 2.4GHz wireless channel.

5G: Clients using 5GHz wireless channel.

Total: Displays the total number of clients.

1.5 Channel Distribution and Usage

The chart displays the channel statistics.

Channe	Distribution and Usage 🛛
2.4G	1 6 7 10 11 12
5G	36 44 56 149 157
	Idle Busy Overload

Click a specific channel to display the number of APs and Usage on each specific channel. The channel usage is graded as **Idle**, **Busy** and **Overload**.

Channel 36	sage 🚱
Device (1) Idle Busy Overload	1 0 7 10 11 12 0
5G 36	44 56 149 157
	Idle Busy Overload

Idle: 0% to 59%

Busy: 60% to 79%

Overload: 80% to 100%

Real-time: The status update approximately every 2 minutes.

1.6 Network Metrics

WiFi Client Summary

The chart displays the trend of recent clients connection.

Network Metrics	Last 24 Hours	•
WiFi Client Summary		
Clients	0 03-04 22:00:00	0

In the chart above, the solid line shows the WiFi client numbers for the specified time period, and click on a point on the line displays a specific amount of data, the dashed line identifies the clients numbers at the mouse hover position.

1.7 Top 10 Networks by Traffic

The table displays the top 10 networks ranked by traffic.

Ranking	Network	Traffic	Clients
1	test123	99.69M	1
2	EG2100	77.68M	1

Network: Displays the specific network.

Traffic: Displays the total amount of traffic used by clients of the specific network. **Clients:** Displays the number of clients of the specific network.

1.8 Top 10 WiFi Clients by Traffic

The chart displays the top 10 clients ranked by traffic.



Click on the chart to view the specific client and its traffic usage. **Total:** Displays the total traffic of all the WiFi clients.

1.9 Top 10 APs by Traffic

The table displays the top 10 APs ranked by traffic.

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Ranking	AP	Traffic	Clients
1	G1NQC44048490	79.46M	1

AP: Displays the connected AP SN.

Traffic: Displays the total amount of traffic used by clients connected to the specific AP. **Clients:** Displays the number of clients connected to the specific AP.

1.10 Top 10 SSIDs by Traffic

The chart displays the top 10 SSIDs ranked by traffic.



Click on the chart to view the specific SSID and its traffic usage. **Total:** Displays the total traffic of the SSID.

2. Topology

Principle of the Network Topology

- 1) Make sure the devices are online on the Ruijie Cloud and the Web CLI is available.
- 2) You need a root node device, which can be EG or core Switch.
- 3) Calculate all connected devices through the root node and update the topology; the data required are MAC, ARP and Routing, etc.
The **Topology** provides a visual representation of the total network status, displays the network topology and device status, and offers the project report.

EG3250 Spetect N Creation Time:2021-01-2	ew Device	Project Status Not Deliver-	Online Clients 0	Alarms 0
Topology Search	Update Time: 2021-01-21 11:29:24 (Complete) Update Topology Horizontal Vertical	Details Device To avoid risks, pleas	e start the diagnosis.	Start Diagnosis
Wireless Bridge: 0/0 Instruction	S	Status Connectivity 13:00) 17:00 21:00 1:00	5:00 9:00
Ē	Gi0/6 • EG3250 SN:H1M722K000263	Speed ↑ 0.03Mbps ↓ 0.01Mbps	–O– Up	Jink -O- Downlink 10 Speed 2 4 Mpgs Good Poor

2.1 Data Monitoring

Basic Information - old version

EG2100 Return New Version @Management Password	Project Status	Online Clients	Alarms
Creation Time: 2022-02-16 20:57:02 Uptime: 1Days	In Progress+	0	2

Management Password: The network management password, ensure the device eWeb password is same as network management password.

Creation Time: The created time (by default) is the time the file was created on the cloud database.

Uptime: Time during which a device started in operation.

Online Clients: The Wireless online clients in the network.

Alarms: The real-time alarms of the network.

Network Topology

The topology displays the devices connection and current status.

Topology	Update Time: 2022-02-16 20:57:21 (Complet	e) Details Device	
Please select the device	Update Topology Horizontal Ventical	To avoid risks, please start the diagnosis.	Start Diagnosis
		Status	
	S	Connectivity 9:00 13:00 17:00 21:00	1:00 5:00
	60000 E62100-P	Speed ↑ 0.03Mbps ↓ 0.00Mbps	-O- Uplink -O- Downlink
	(0022) (0024) (WAR) (WAR)	WFi Experience	
***** ***** \$2910-24GT4SFP	AB AB A720 AP180		

Update Topology: If some devices had added or deleted, however the topology did not display correctly, click it to perform a connection refresh.

Horizontal&Vertical: Can choose to display the topology horizontally or vertically.

Devices list: Displays the number of devices listed in the topology graph.

Details: Displays the topology status, including network connectivity, network uplink/downlink speed, Wi-Fi experience.

Basic Information - Return New Version



Refresh: If some devices had added or deleted, however the topology did not display correctly, click the Refresh button to perform a connection refresh.

Download: Download the topology in .png format.

Device details

s: EG2100-P / del: EG2100-P : H1P60	Sync: Synced Management I MAC: 300d.	P: 172.2	6.5.195			More
Status						
LAN WAN Abnormal					16/2.56/106/206	10M/100M Disconne
	wans			LANE		
	LANSWANI	LAN3	LANS	LAN7		
Port						
LAN WAN					LAN WAN	Not Configured Config
		LAN2	LANH	LANS		
		LAND	LANS	LAN7		
Gi0/0						
Basic						
Type:WAN			ISP:			
IP:172.26.5.195			Uplink Ba	andwidth:100Mbps		
Subnet Mask:255.255.252.0			Downlink	Bandwidth:100Mbps		
	Bit E22100P H1P80 Status LAN VAN Abromat Gi000 Basic Type-tWAN IP.712 26.5.195 Subnet Mask:255.255.252.0	et EQ2100 P Management I HTPG MAC: 3004 Status LAT WAR Admonst Port LAN WAR Giolo Basic Type:WAR IP:T12:265.1595 Submet Marka:255.255.25.0	act E02100 P Management (P. 1723 Status MAC: 3004 MAC: 3004 UNI WORA Attemmal Image and the state of the state	Wanagement IP: 172.25.5.195 H1F80 MAC: 300d Status Imagement IP: 172.25.5.195 LAN: VMA: 300d Imagement IP: Port: Imagement IP: 172.26.5.195 Imagement IP: Imagement IP: Globe Imagement IP: Imagement IP:	ability Management (P. 172.25.5.195 Status MAC: 3004 UNIVERA Attemnal Imagement (P. 172.26.5.195 UNIVERA Attemnal Imagement (P. 172.26.5.195 UNIVERA Attemnal Imagement (P. 172.26.5.195 Imagement (P. 172.26.5.195 Imagement (P. 172.26.5.195 Status Imagement (P. 172.26.5.195 Status Imagement (P. 172.26.5.195 Status Attemnal Imagement (P. 172.26.5.195	View Maragement IP: 172 28.3195 Status Interview LAN VAC View Law Law Law Law Law Law Law Law

Alias: Another specified name.

Model: Displays the model of the device.

Sync: Displays the handshake status of the device.

Management IP: Displays the local IP of the device.

SN: Displays the unique serial number of the device.

MAC: Displays the MAC address of the device.

More: Support create the eWeb of Telnet tunnel of the device.

EG status: Displays the EG port status of device, including port number, negotiated rate, up/down status.

EG port: Displays the EG WAN/LAN port status.

EG port basic: Displays the EG port type, IP addresses, bandwidth downlink/uplink.

EG routing: Displays the EG routeing list.

M	as: \$2910-24GT4\$FP-UP-H / odel: \$2910-24GT4\$FP-UP-H 4: G1F	Sync: Synced Management IP: 172.26.4.248 MAC:	More
Status	Status		
VIAN			Instructio
Port	1 3 5 7 9 11	13 15 17 19 21 23	
Routing	2 4 6 8 10 12	14 16 18 20 22 24 25 26 27 28	
	VLAN		
	VLAN 1 VLAN 10 V	LAN 28 VLAN 99 VLAN 199 VLAN 231 VLAN 1234	
	Include Port	IP(SVI) DHCP Address Pool Des	cription
	Gi0/1-9,Gi0/11,Gi0/13-28	Dynamic 172.26.4.248	
		Ccess Port Trunk F	Port 🔲 Router Po
		13 15 17 19 21 23	
	2 4 6 8 10 12	14 16 18 20 22 24 25 26 27 28	
	Port		
			Instructio
		13 15 17 19 21 23	

SW status : Displays the Switch port status of device, including port number, negotiated

rate, up/down status.

SW VLAN: Displays the Switch VLAN list and the details of VLAN port.

SW routing: Displays the Switch routeing list.

Alias: AP180 🖍	Sync: Synced		×
Model: AP180 SN: G1NOC44048490	Management IP: 10.10.1.9 MAC: 8005 8811 6999	More	
	For wireless configuration (SSID configuration), please click here		
	for micross comgaration (corp comgaration), produce oner nere.		

AP configuration: Click to do wireless basic configuration.

2.2 Report

To view the network report, hover to Project Status, and click View Report.

default @Management Password Creation Time: Uptime:Days	Project Status	Online Clients 0	Alarms 0
Topology Update	 Delivery 2020-12-09 02:14:01 View Report 		
Gateway: 0/0	 Add Project 2019-03-11 12:32:56 	tart the diagnosis.	Start Diagnosis

Select your prefer language of report.

Preview	Update Time: 2021-02-01 11:10:53 Language:	English ~	Edit Download Report Back
Rujjie Reyec			~
	Perf		
	Project Report		
	Report Time: 2021-02-01		
			•

The project delivery report can be exported into multi-languages.

The system also support edit Title, Cover, Basic information, Configuration, Diagnosis data, device list.

default V Search Network Q		(GMT+0:00)Africa/Abidjan Manage Network Unbind Device		
Edit		Update Time: 2021-01-21 06:02:17	GRefresh Preview Download Config File Download Report Back	
		defaultReport 🖍		
1. Cover			1. Cover 2. Basic Information 3. Configuration 4. Diagnosis 5. Device 6. Topology	
LOG	D: It is recommended to upload the Only support png, jpg, jpeg and The image should not exceed 10	image in the ratio of 4:3. bmp. A.		

2.3 Detect a Device(s)

EG2100 V Searc Topology Adva Please select the o	DetectingPlease wait. 9 devices are detected and added to the network.	× mage Project Take over Network Unblind Device Return to Old Version 2Report Refresh Download Defect Device More -
	(000-0) EG2100-P (000) (000) (0022) (0022) (002) (0	
1 new device of other network i Detection Time: 2022-03-02 14:41	s detected 1:28 Detect again	×
Unknown network Accoun Result: Incorrect password (2022-0	t: Unknown Account 03-02 14:41:49)	Add to Network
RAP1200(F) SN: C	G1QH N	1A pa2.c36a

When you add a new device to the network, you are required to enter the device password, if the password is incorrect, system will refuse to insert it to the network.

Ruijie Cloud will refresh the topology by default when a new device added into the network. In some circumstance, when Ruije Cloud fails to detect the newly added devices, you may make system to update the topology manually by clicking **Detect again** to update the topology.

Detectio	on Result Last Dete	ection:			×
Add	Detect again			Regularly Detect and Add Switch(Only s	supported on RGOS devices)
	Model	MAC	IP	SN	Staus
			172.2	G1Qł	Not Import
		First	ious Page 1 of 1 N	Last	10 🔺 1 in total
Please	fix according to diagr	iosis result Repair			

The new device can be added to the current network.

Diagnosis

You can perform a network diagnosis if you believe something went wrong on the network. This function diagnoses the network connectivity and link status. Click **Start Diagnosis** to start with a new diagnosis.



	Minimize
茶 Link Status	X
 Port negotiation rate and duplex test 1/1 devices checked Port flow monitoring 1/1 devices checked 	
* Layer 2 and 3 Connectivity	, L
$\ensuremath{\circledast}$ Address pool and VLAN testchecked. , devices at risk	
1 risks to be fixed You can fix it according to suggestion.Diagnose again	Minimize
Cink Status	5
Layer 2 and 3 Connectivity	2
① Address pool and VLAN test	1 devices to be fixed View More
VLAN & DHCP address pool risk is detected.	

Link Status: Port flow monitoring, port negotiation rate and duplex test. Layer2 and 3 Connectivity: IP address pool, default gateway and VLAN test.

Click **View More** to check the previous diagnosis results.

Devices to be Fixed(1) \wedge		
takes about 3 minutes.		
SN:H1P601K00584A	at Risk	Suggestion \wedge
Details: Failed to find default route IP Failed to find ro find route [192 168 100 0] for DHCP address pool [19	oute [1] for DHCP address pool [192.168 22 168 100 11, for DHCP address pool T	3.2.1].Failed to here is no static.
route. Destination network: [192.168.10.1 255.255.25 255.255.255.255.0, 192.168.199.1 255.255.255.0].	j5.0, 172.26.4.248 255.255.252.0, 192.1	168.99.1
Suggestion: Add a default route IP for the network Co	onfigure a static route on the gateway	

Details: Displays the detected network issues in details. **Suggestion:** Provides solutions for the detected issues.

2.4 Manual Settings

Click More > Manual Settings

EG2100 V Search Network Q		(GMT+8:00)Asia/Hong_Kong Manage Project Take over Network Unbind Device
Topology Advanced		Return to Old Version Report
Please select the device		Refresh Download Detect Device More
		Manual Setting
	Solution	
		8
	EG2100-P	4 6
	(GI00) (GI0/2)	
	GI0/23	
	S2910-24GT4SFP+ AP Group	

Support Edit the Alias of device or add the Downlink Device.





Edit Alias: Rgiving a name of a device.

Select Device Model: Select the model of a device, you may including Reyee ES series and unmanaged switches (Non-Reyee).

Delete: Remove a device form the network.

2.5 Common Troubleshooting

What can I do if the topology shows" No Data"?

- 1) If there is only one AP in the network, the topology cannot be displayed.
- 2) The egress device is not the Ruijie device and doesn't have a core switch.
- 3) Try manually refreshing the topology.

What can I do if there is only a EG device on the topology?

- 1) If the version is not the latest one, you need upgrade it to the latest version.
- 2) If the Web CLI is not available, other devices cannot be displayed as well.

What can I do if some devices are missing on the topology?

1) Show mac/show arp/show ip route of the device. The results of these 3 commands including "S*" will make the device miss.

- 2) Dynamic routing protocols such as OSPF exist in the topology.
- 3) The switches in the topology are configured with VSU.

What can I do if the virtual devices are shown on the topology?

1) The device is not on the Ruijie Cloud or is offline.

2) The device is not the Ruijie device.

3) If the device is an un-managed switch, it is recommended to edit the name and the port manually.

* Note: limitations of topology

- a. Cannot access the device Web CLI.
- b. There is a EG in the network but it doesn't support show MAC command or the version is not latest.
- c. Multiple switches (on the same level) + non-Ruijie products serving as egress.
- d. Core switch + access switch + AP (core switch runs OSPF and has no static routing entries, so its routing table is incomplete).
- e. Device offline, port change, static route modification, device addition or deletion, etc.
- f. Switches form a network by VSU.
- g. Switches form a network by VRRP.
- h. Only have APs on the network group.

3. Alarm

By default, the Alarm List displays all the alarms not yet cleared. You can filter the alarms category by selecting alarm type, level and cleared status to perform alarms filtering. Alarm List supports a search based on AP serial number, alarm type, alarm source (network/device), and alarm generation time.

Ruíjie								🤗 o	0 ® e	•	
8	ALL V Search Network	٩				(GMT+)	8.005AstaHong_Kong	Manage Project	Take over Network	Inbind Device)
D DASHBOARD	ALL	nflict Network									
REPORT	8 ⁸ 32								0 d	#• X	
Network	A PPSK						SN		Q Advanced	Search ~	
Voucher	S EST	SN	Туре	Level	Cleared	Content	Generated at	Cleared on	Updated at	Action	
B DEVICE	Se test123	•	Device offline alarm	Major	No		2022-02-17 16 50:10		2022-02-17 16:50:09	B	1
AP	S Cloud Auth Test		Device offine alarm	Major	No		2022-02-09 17:31:17		2022-02-09 17:31:16	Ē	11.00
AC	0.0 0.0000_1001_1001		All device offline	Major	No		2022-02-09 17:29:09		2022-02-09 17:29:08	8	
Switch	RyeeNetwork1		Device offline alarm	Major	No		2022-02-09 17 29:09		2022-02-09 17:29:08	8	
Gateway	8 EG2100		All device offline	Major	No		2022-01-27 16 15:13		2022-01-27 16 15 13	8	
Home Router		1	Device offine alarm	Major	No		2022-01-27 16 15 13		2022-01-27 16 15 13	盲	
Bridge	6% GTAC_Revee		Device offine alarm	Major	No		2022-01-24 18 43 09	-	2022-01-24 18:43:08	盲	
an online.	S Cloud_Auth_Test_A	uto	All device offline	Major	No		2022-01-06 14 52 07	-	2022-01-06 14 52 06	8	
CAMERA	8 AP710		All device offline	Major	No		2021-12-31 14:07:11		2021-12-31 14:07 11	8	
NVR	1		First Previous	Page 1	of 1 Next	Last			10 -	9 in total	
CLIENT	Location1	*									

3.1 Alarm List

Ruijie Cloud Cookbook

	MONITORING CONFIGURATION	MAINTENANCE •					🦉 🛛 🕄	® 8*
الله معلم معلم معلم معلم معلم معلم معلم م	ALL V Search Network Q Alarm List Conflict Network				(GMT+8:00)Asia/Hong_Kong M	anage Project	Take over Network	bind Device
REPORT	Alarm List				SN		Q Advanced S	earch ∨
	Network SN	Type	4 Level 4	Cleared Co	ontent Generated at	Cleared on	Updated at	Action
	test123	Device offline alarm	Major	No	2022-02-17 16:50:10 2022-02-09 17:31:17		2022-02-17 16:50:09	
AC	EST	All device offline	Major	No	2022-02-09 17:29:09		2022-02-09 17:29:08	Ū
Switch	EST	Device offline alarm	Major	No	2022-02-09 17:29:09	-	2022-02-09 17:29:08	Ū
Gateway	Cloud_Auth_Test	All device offline	Major	No	2022-01-27 16:15:13		2022-01-27 16:15:13	Ū
Home Router	Cloud_Auth_Test	Device offline alarm	Major	No	2022-01-27 16:15:13	-	2022-01-27 16:15:13	Ū
Bridge	Cloud_Auth_Test	Device offline alarm	Major	No	2022-01-24 18:43:09	-	2022-01-24 18:43:08	Ū
Q. CAMEDA	AP710	All device offline	Major	No	2022-01-06 14:52:07	-	2022-01-06 14:52:06	直
OA CAMERA	RyeeNetwork1	All device offline	Major	No	2021-12-31 14:07:11	-	2021-12-31 14:07:11	直
Cameras NVR & CLIENT		First Previous	Page 1 of	1 Next	Last		10 🔺	9 in total

It indicates that historical data is retained for 90 days.

$\stackrel{\text{\tiny{ID}}}{=}$: **Zoom In/Out**, it protrudes the page of **Alarm List** , shown as the below picture.

Alarm List @				-					<u>କ</u> ଫି. ୯.	EE ▲ 茶
Ignore Alarm 0 Selected								SN	Q Advanced	Search V
Network	SN	Туре		Level	Cleared	Content	Generated at	Cleared on	Updated at	Action
PPSKtest	D	evice offline alarm		Major	No		2022-02-17 16:50:10		2022-02-17 16:50:09	Ū
test123	D	evice offline alarm		Major	No		2022-02-09 17:31:17	-	2022-02-09 17:31:16	Û
EST	A	Il device offline		Major	No		2022-02-09 17:29:09	-	2022-02-09 17:29:08	前
EST		evice offline alarm		Major	No		2022-02-09 17:29:09	-	2022-02-09 17:29:08	Û
Cloud_Auth_Test	A	Il device offline		Major	No		2022-01-27 16:15:13	-	2022-01-27 16:15:13	1
Cloud_Auth_Test	D	evice offline alarm		Major	No		2022-01-27 16:15:13	-	2022-01-27 16:15:13	Ē
Cloud_Auth_Test	D	evice offline alarm		Major	No		2022-01-24 18:43:09		2022-01-24 18:43:08	前
AP710	A	Il device offline		Major	No		2022-01-06 14:52:07	-	2022-01-06 14:52:06	Ū
RyeeNetwork1	A	Il device offline		Major	No		2021-12-31 14:07:11	-	2021-12-31 14:07:11	Ū
		First	Previous	Page 1	of 1 Next	Last			10 *	j 9 in total

Filter Column, it indicates to choose entries to display in the **Alarm List**.

	MONITORING CONFIGURA	TION MAINTENANCE		🤐 O 🙆					
⊗✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓✓<	ALL V Search Network Q				(GMT+8:00)Asia/Hong_Kong	anage Project	Take over Network	nd Device	
希 TOPOLOGY	Alarm List Confil	ct Network							
道 ALARM									-
REPORT	Alarm List @						0 d	- 23	
Network	Ignore Alarm 0 Selected				SN		Network	h $ \! \! \sim $	
Voucher	Network	SN Type	Level	Cleared C	Content Generated at	Cleared on	✓ SN ✓ Type	ction	\bowtie
E DEVICE	PPSKtest	Device offline alarm	Major	No	2022-02-17 16:50:10	~	: 🔽 Level	Ū	Þ
AP	test123	Device offline alarm	Major	No	2022-02-09 17:31:17	-	Cleared	Ū	6
AC	EST	All device offline	Major	No	2022-02-09 17:29:09		Content	Ū	
Switch	EST	Device offline alarm	Major	No	2022-02-09 17:29:09		Generated at	Ũ	
Gateway	Cloud_Auth_Test	All device offline	Major	No	2022-01-27 16:15:13		Updated at	Ū	
Home Router	Cloud_Auth_Test	Device offline alarm	Major	No	2022-01-27 16:15:13	-	2022-01-21 10.15.13	Ū.	
Bridge	Cloud_Auth_Test	Device offline alarm	Major	No	2022-01-24 18:43:09	-	2022-01-24 18:43:08	Ū	
A	AP710	All device offline	Major	No	2022-01-06 14:52:07	-	2022-01-06 14:52:06	Ū	
©4 CAMERA	RyeeNetwork1	All device offline	Major	No	2021-12-31 14:07:11		2021-12-31 14:07:11	Ū	
Cameras NVR & CLIENT		First Previous	Page 1 of	1 Next	Last		10 - 9	in total	

: Export, it indicates to export all contents in Alarm List as .xls file.

	MONITORING CONFIGURATION MAINTENANCE •							0 (9 8	
A V ASHBOARD	ALL V Search Network Q]			(GM	T+8:00)Asia/Hong_Kong	anage Project	Take over Network	1bind Device
希 TOPOLOGY	Alarm List Con	flict Network							
凿 ALARM	Alarm List A								88 53
REPORT						Chi			earch V
Network Voucher	ignore Alarm 0 Selected		-			SIN			
	PPSKtest	SN	Device offline alarm	Major	No No	2022-02-17 16:50:10	Cleared on	2022-02-17 16:50:09	Action
AP	test123		Device offline alarm	Major	No	2022-02-09 17:31:17		2022-02-09 17:31:16	<u>ن</u>
AC	EST		All device offline	Major	No	2022-02-09 17:29:09		2022-02-09 17:29:08	Ū.
Switch	EST		Device offline alarm	Major	No	2022-02-09 17:29:09	÷	2022-02-09 17:29:08	Ū.
Gateway	Cloud_Auth_Test		All device offline	Major	No	2022-01-27 16:15:13		2022-01-27 16:15:13	Ū.
Home Router	Cloud_Auth_Test		Device offline alarm	Major	No	2022-01-27 16:15:13	-	2022-01-27 16:15:13	Ū
Bridge	Cloud_Auth_Test		Device offline alarm	Major	No	2022-01-24 18:43:09		2022-01-24 18:43:08	Ū.
Q CAMERA	AP710		All device offline	Major	No	2022-01-06 14:52:07		2022-01-06 14:52:06	<u> </u>
Cameras	RyeeNetwork1		All device offline	Major	No	2021-12-31 14:07:11	-	2021-12-31 14:07:11	
NVR			First Previous	Page 1 of 1	Next Last			10 🔺	9 in total
AlarmList.xls	^								全部显示X

The below picture shows the exported results in this file.

- 20	A	В	С	D	E	F	G	Н	T T
1	Network	SN	Туре	Level	Cleared	Content	Generated at	Cleared on	Updated at
2	PPSKtest	H1QH6RL045754	Device offline alarm	Major	No		2022-02-17 16:50:10		2022-02-17 16:50:09
3	test123	G1PD391005918	Device offline alarm	Major	No	<u>-</u>	2022-02-09 17:31:17	-	2022-02-09 17:31:16
4	EST		All device offline	Major	No	-	2022-02-09 17:29:09	-	2022-02-09 17:29:08
5	EST	CAP91AS015076	Device offline alarm	Major	No	-	2022-02-09 17:29:09		2022-02-09 17:29:08
6	Cloud_Auth_Test	-	All device offline	Major	No		2022-01-27 16:15:13	177	2022-01-27 16:15:13
7	Cloud_Auth_Test	H1PTATC001746	Device offline alarm	Major	No	2	2022-01-27 16:15:13	-	2022-01-27 16:15:13
8	Cloud_Auth_Test	G1QH16Q05197B	Device offline alarm	Major	No	=	2022-01-24 18:43:09	-	2022-01-24 18:43:08
9	AP710	-	All device offline	Major	No	-	2022-01-06 14:52:07		2022-01-06 14:52:06
10	RyeeNetwork1		All device offline	Major	No	ā.	2021-12-31 14:07:11	1.50	2021-12-31 14:07:11
11									
12									
13									

• : **Refresh**, it indicates to refresh the **Alarm List** page.

Ignore Alarm: it indicates to ignore the selected alarm entries in Alarm List.

		GURATION MAIN	ITENANCE •						<mark>6</mark> 00	® 8*
⊗ ✓ŵ DASHBOARD	ALL V Search Network	2				(GMT+8	:00)Asia/Hong_Kong	lanage Project	Take over Network	bind Device
品 TOPOLOGY	Alarm List	Alarm List Conflict Network								
현 ALARM 로 REPORT Network	Alarm List @	Alarm List Ignore Alarm 3 Selected SN Q Advanced Se								earch ∨
Voucher	Network	SN	Туре	Level	Cleared	Content	Generated at	Cleared on	Updated at	Action
E DEVICE	PPSKtest		Device offline alarm	Major	No		2022-02-17 16:50:10	-	2022-02-17 16:50:09	Ū Ę
AP	test123	<u> </u>	Device offline alarm	Major	No		2022-02-09 17:31:17	-	2022-02-09 17:31:16	ii ć
AC	EST		All device offline	Major	No		2022-02-09 17:29:09	2	2022-02-09 17:29:08	Û
Switch	EST EST	_	Device offline alarm	Major	No		2022-02-09 17:29:09	-	2022-02-09 17:29:08	Û
Gateway	Cloud_Auth_Test		All device offline	Major	No		2022-01-27 16:15:13	-	2022-01-27 16:15:13	Ū
Home Router	Cloud_Auth_Test		Device offline alarm	Major	No		2022-0 <mark>1-27 1</mark> 6:15:13	2	2022-01-27 16:15:13	Û
Bridge	Cloud_Auth_Test		Device offline alarm	Major	No		2022-01-24 18:43:09	-	2022-01-24 18:43:08	Ū
A lange	AP710		All device offline	Major	No		2022-01-06 14:52:07	-	2022-01-06 14:52:06	Û
©4 CAMERA	RyeeNetwork1		All device offline	Major	No		2021-12-31 14:07:11	2	2021-12-31 14:07:11	Ū
Cameras NVR 옷 CLIENT			First Previous	Page 1 of	1 Next	Last			10 🔺	9 in total

$^{\circ}$: Search, it indicates to search the alarm related with specific SN.

	MONITORING CONFIGURATION MAINTENANCE • · · · · · · · · · · · · · · · · · ·
 A com ∨ Â DASHBOARD 	ALL V Search Network Q (GMT+8:00)AsialHong_Kong Manage Project Take over Network Unbind Device
器 TOPOLOGY	Alarm List Conflict Network
ALARM REPORT Network Voucher	Alarm List ●
E DEVICE	test123 <u>G1PD381</u> Device offline alarm Major No 2022-02-09 17:31:17 - 2022-02-09 17:31:16 🗊
AP AC Switch	First Previous Page 1 Next Last 10 • 1 in total 40 •
Gateway	
Home Router	
Bridge	
64 CAMERA	
Cameras	
R CLIENT	

Advanced Search: it indicates to search the alarm related to specific SN within a period of time.

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Ruíjie		
A ~ ~ ~	ALL V Search Network Q (GMT+8:00)Asia/Hong_Kong Manage Project Take over Network Unbind Device	
중 TOPOLOGY	Alarm List Conflict Network	
	Alarm List ●	
Voucher	SN G1PD391 Generated at 2022-02-01 00:00 D Updated at 2022-02-22 00:00 Reset Search	
AP AC	Network SN Type Level Cleared Content Generated at Cleared on Updated at Action	<u></u>
Switch Gateway Home Router	test123 G1PD391 Device offline alarm Major No 2022-02-09 17.31:17 - 2022-02-09 17.31:16 III First Previous Page 1 of 1 Next Last 10	
Bridge & CAMERA		
Cameras NVR		
A CLIENT		

Networks: it indicates the network which occurs the alarm.

SN: it indicates the device SN which occurs the alarm.

Type: it indicates the type of alarms.

The following table describes the conditions for generating alarms.

Туре	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.	N/A
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 exce eds the threshold.	For AP, the default threshold for CPU usage is 85% and for memory usage is 85%. For switch, the default threshold for CPU usage is 50% and for memory usage is 65%.

witch RLDP	A loop occurs on the switch.	For gateway, the default threshold for CPU usage is 50% and for memory usage is 65%. Custom values are not supported. N/A
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 rate 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 rate 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 rate 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.
SIM card traffic exceeds limit	SIM card traffic exceeds a default threshold.	Only MTFi devices support this alarm.
GPS signal is not found	GPS signal is not found.	Only MTFi devices support this alarm.
CPU usage is high	CPU usage exceeds a default threshold.	Only MTFi devices support this alarm.
Memory usage is high	Memory usage exceeds a default threshold.	Only MTFi devices support this alarm.

Disk space usage is	Disk space usage exceeds	Only MTFi devices support			
high	a default threshold.	this alarm.			
Flash usage is high	Flash usage exceeds a	Only MTFi devices support			
	default threshold.	this alarm.			
CPU temperature is	CPU temperature exceeds	Only MTFi devices support			
high	a default threshold.	this alarm.			

Cleared: including yes and no, it indicates whether the alarm was cleared.

Content: it indicates the detailed content of alarms.

Generated at: it indicates the date when this alarm occurred.

Cleared on: it indicates the date when this alarm was cleared.

Updated at: it indicates the latest time when this prompt is updated.

3.2 Network Conflict

		• 0 0 e ¤ 🎴
名 企 DASHBOARD	ALL V Search Network Q	(GMT+8:00)Asia/Hong_Kong Manage Project Conflict Network Take over Network Unbind Device
品 TOPOLOGY	Alarm List Conflict Network	
凿 ALARM	Conflict Network	
REPORT	Network	Action
Network	test123	69
	REYEE	<i>8</i>
		Q
AC		
Switch		
Gateway		
Home Router		
Bridge		
Q CAMERA		
Cameras		
NVR		
A CLIENT		

[•]: It indicates a network conflict will occur when a device added to a network is moved to another network. Please click the button in the Action column to confirm.

⁵: It indicates detecting a new device, the following picture will appear after clicking it.

Ruíjie 🛆	MONITORING CONFIGURATION MAINTENANCE	<mark>4</mark> 000
R DASHBOARD TOPOLOGY LAARM REPORT Network Voucher E DEVICE	LoadingPlease wait.	x rk Unbind Device
AP AC Switch Gateway Home Router Bridge & CAMERA Cameras NVR \$7, CLIENT		<u> (7</u>

3.3 Alarm settings

Select one project in this account and click **a** at the upper right corner to click the **Alarm Settings**. The **Alarm Settings** page is displayed for alarm parameter configuration.

MONITORING CONFIGURATION	MAINTENANCE		🗳 o	0 S 8
	-C		Alarm Settings	
ALL V Search Network Q		(GM1+8:00)Asia/Hong_Kong	Contact	Unbind Device
			Unbind Device	
Top Versions		Firmware Version List	Activate Client	Q
		Firmware Version		Devices

Alarm settings are configured by the network. When no alarm has configured, the global settings are adopted. Using the **Alarm Settings** page, you can specify whether to enable or disable alarms and how they should be received.

Type: It indicates the type of alarms.

Status: When the Status is enabled, alarm information is displayed on the alarm page.

Alarm Threshold: It indicates the alarm information will be displayed on the alarm page.

Email Alarm: It indicates alarms will be pushed via email to the contacts in the 'Contact List' of the network when the **Email Alarm** and **Status** is enabled.

DHCP pool alarm				-	
AP(4G) link switch			\bigcirc	-	0
AC detected Fit AP offline			00	2	0
Smart community client offline				-	\bigcirc
Contact Group List					0 X
	Group		Description		Action
1		1			Ū
alarmtestgroup		For Ruijie internal			Û

3.4 Contact

Click the **Contact** at the top right to access into the Contact page List.

				🗳 🌣 📀 😒 😂
a)			(GMT+8:00)Asia/Hong_Kong Manage Project	Alarm Settings Contact Unbind Device
		Registered Device Distribution		Activate Client
Switch	0 in Total			

Contact List

On the Contact list page, you can add contact and contact groups that will receive the alarm emails.

Contact List				
Name	Mobile	Email	Description	Action
alarmtest	150	com.cn	111	<u>e</u> i
		First Previous Page 1 of 1 Next Last		10 👞 1 in total
				Add

Name: displays the customized name of contacts.

Mobile: displays the mobile number of contacts.

Email: displays the email address of contacts.

Description: displays some words to describe the contact.

Action: including Edit and Delete, indicates the operation for this contact.

After click the **Edit**, it will display a window to edit the contact information, shown as the below picture.

Add: it indicates to add a new contact into the contact list.

Contact Group

Add a group and move the contacts to the group.

Contact Group			
	Group	Description	Action
1	1		直
alarmtestgroup	For Ruijle Internal		<u>n</u>
	First Previous	Page 1 of 1 Next Last	10 🔺 2 in total
			Add

Group: displays the customized name of the group.

Description: displays some words to describe the contact group.

Action: including Edit and Delete, indicates the operation for this contact group.

After clicking the **Edit**, it will display a window to edit the contact group information, shown in the below picture.

Add: it indicates to add a new contact group into the contact group list.

Edit Contact Group						×
Name	1					
Description	1					
Contact Group				All Contacts	æ	
		[<< Add to Group Delete from Group >>]		
						Save Cancel

Add to Group: Add the selected contacts in the All Contacts into the contact group.

Edit Contact Group			×
Name	1		
Description	1		
Contact Group		All Contacts	
		<< Add to Group	
		Save	Sancel

Delete from Group: Delete the selected contacts from Contact Group.

4. Report

4.1 Summary

WiFi Traffic Summary

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

Summary	Device	Client					Last 24 Hours	~ 🕑		
WiFi Traffic Summa	у									
Traffic (MB)				-O- Uplir	ik -O- Downlink					
3,000 2,500 2,000										
1,500 - 1,000 - 500 -	~			MA	~~~~			~~ A ~	-	
0-0-00-00-00-00-00-00-00-00-00-00-00-00	03-07 03:40:00	03-07 06:10:00	03-07 08:40:00	03-07 11:10:00	03-07 13:40:00	03-07 16:10:00	03-07 18:40:00 (03-07 21:10:00	03-07 23	:40:00

In the chart above, the solid line shows the network traffic for the specified time period of time, and click on a point on the line displays a specific amount of data, the dashed line identifies the traffics when the mouse hover position.

Monitoring Guidance

Summary Device	Client		Last 24 Hours V	Monthly Report
WiFi Traffic Summary				
Traffic (MB)	-O- Uplin	د –)– Downlink		
3,000 2,500 2,000				
990.00 500- 0-	03-07 08:40:00			
03-07 01:10:00 03-07 03:40:00	0 03-07 06:10:00 03-07 08:40 Uplink : 108.698 Downlink : 974.261	03-07 13:40:00 03-07 16:10:00	03-07 18:40:00 03-07 21:10:00	03-07 23:40:00

Uplink: Displays the traffic directed from internal network to external network. **Downlink:** Displays the traffic directed from external network to internal network.

Select the period according to your preference for which way you want it to display the statistics.

Summary	Device	Client				Last 7 Days	~	4		Get Monthly Report
WiFi Traffic Summary					◯ Last 24 Hours					
Traffic (MB)				-O- Uplink -O- Downlink	 Last 30 Days Custom (Remember 	er for 30 Days)				
100,000 80,000 60,000			•			Cancel Of				
40,000 20,000 0 0 0 0 0 0 0 0 0 0 0 0 0	, .	03-02	03-03	03.04	03.05	03.06		1	03-07	
							-03			

Channel Distribution and Usage

The channel distribution and usage of the selected network.

Ch	nannel Di	istribution and Usage 🛛 Real-time
	2.4G	1 5 9 13
	5G	52 56 149
		Idle Busy Overload

Current channel usage is indicated by the color of the square icon.

Color	Status	Usage
	ldle	0%-59%
	Busy	60%-79%
-	Overload	80%-100%

Click into a specific channel to display the numbers of APs and Usage on each specific channel.

Channel Distrik	Channel 149		Ime
2.4G	Device (88) Idle Busy Overload	86 2 0	
5G 🗖	52 56 149		
			Idle - Busy Cverload

Real-time: Update interval approximately 2 minutes.

SSIDs by Client or Traffic

The SSIDs ranked by Traffic or ranked by Client number of the selected network during the specific period.

IDs by Cl	lient				SSIDs by T	raffic			
Ranking	SSID		Clients	Traffic	Ranking	SSID		Traffic	Clients
1	@Ruijie-s1F0A	23		12.21M	1	PPSKtesttime	322.28M		11
2	PPSKtesttime	11		322.28M	2	@Ruijie-s1F0A	12.21M	1	23
3	TestNAT	9		64.33K	3	TestNAT	64.33K	L	9
4	L2TP-Client	5		40.62K	4	L2TP-Client	40.62K	1	5
5	IT department	4		25.22K	5	IT department	25.22K	1	4
6	test1	3		24.27K	6	test1	24.27K	1	3

Clients: Displays the number of clients connected to the specific SSID.

Traffic: Displays the total amount of traffic used by clients connected to the specific SSID.

RSSI Statistics

The wireless signal strength of the selected network during the specific period.

The signal intensity is defined as below:

Color	Strength	RSSI
	Strong	RSSI > -70dB
	Medium	-80dB < RSSI ≤
	Weak	RSSI≤ -80dB

Strength: Display RSSI strength.

Clients: Displays the number of clients where RSSI is the corresponding strength.

Proportion: Displays the number of clients with RSSI at that strength as a percentage of the total.

	Strength	Clients	Proportion
95	Strong	58	61%
	Medium	20	21%
	Weak	17	18%

A pie chart displaying the total number of users and RSSI intensity distribution. Click on the chart to view the numbers and percentage of clients for each RSSI strength.



A list displays a comprehensive breakdown of the clients by RSSI.

Real-time: Update interval approximately 2 minutes.

4.2 Device

Device Summary

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

Device	Total	Online	Offline	Not Online Yet
AP	1	1	0	0
Switch	4	1	0	3
Gateway	1	1	0	0
 Home Router	0	0	0	0
 Bridge	0	0	0	0
 AC	0	0	0	0

Device: Display the type of device.

Total: Display the total number of devices of the type.

Online: Display the total number of online devices.

Offline: Display the total number of offline devices.

Not Online Yet: Display the total number of never online devices.

Real-time: Update interval approximately 2 minutes.

AP Activity

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



AP activities is evaluated based on the numbers of active clients accessing the AP in a day. APs not associated with any clients will not be calculated.

The AP activities is defined as below:

Color	Activity	Active Clients
-	Inactive	< 5 active clients
	Medium	5-9 active clients
	Active	≥ 10 active clients

Click on **Inactive**, **Medium** and **Active** to select the number of APs that need to be displayed that are at the corresponding AP activities.

When the font to the right of the square icons is in **Black**: indicates that the number of APs at that activity will be displayed:



When the font to the right of the square icon is **Grey**: indicates that the number of APs at that activity will not be displayed:



Clicking on any of the bars in the bar chart will display the distribution of AP activity for the corresponding date:



Top 10 APs by Client or Traffic

The top 10 APs ranked by Traffic or Client number of the selected network during the specific period.

	Alias	Clients	Traffic	Ranking	AP	Alias	Traffic	Clients
G1QH6WX000534	RAP2260(E)	2	61.08M	1	G1QH6WX000534	RAP2260(E)	61.08M	2
H1PH745119402	EC10ECIN/							
H1PH745119402	EC10ECIN/							

Clients: Displays the number of clients connected to the specific AP. **Traffic:** Displays the total amount of traffic used by clients connected to the specific AP.

Firmware Version

A pie chart representing the proportion of firmware versions for the selected network in a given period.



Click the chart for the proportion of per specified firmware version.



Real-time: Update interval approximately 2 minutes.

Hardware Version

A pie chart representing the proportion of hardware versions for the selected network in a given period.

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Click the chart for the proportion of per specified hardware version.



Real-time: Update interval approximately 2 minutes.

4.3 Client

WiFi Client Summary

A line chart displays the client summary of the selected network during the specific period.



Click the point on the line to display the number of clients at a specific time.



WiFi Client Activity

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



Client activity is evaluated based on online duration and traffic volume.

The WiFi Client Activity is defined as below:

Color	Activity	Duration and traffic
	Minimal	≥ 100KB
	Low	≥ 1h/day and ≥
	Medium	≥ 2h/day and ≥ 2MB
	High	≥ 4h/day and ≥ 5MB
	Extreme	≥ 8h/day and ≥

Clicking on any of the bars in the bar chart will display the distribution of WiFi client activity for the corresponding date:



2.4G / 5G Clients

A pie chart displaying the proportion of STAs using the selected network for 2.4G/5G in a specific period.

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Click the chart for the proportion of a specified radio.



Top 10 WiFi Clients by Traffic

A list displaying the top 10 clients ranked by traffic to the selected network for during the specific period.

Ranking	MAC	Alias	Traffic	Uptime
1	b035.9f27.58d0	EMP2341	996.77M	3h 7m 41s
2	d0ab.d5a4.096b	EMP0013	841.14M	2h 19m 20s
3	48e7.dac6.a3d5	-	798.39M	2h 38m 40s
4	d8f3.bc2e.cf3f	EMP3067	744.70M	2h 56m 34s
5	48e7.da2a.ef25	EMP0004	734.83M	2h 3m 41s
6	4ceb.bd11.11f9	-	607.84M	2h 37m 47s
7	4ceb.bd25.7885	-	501.57M	2h 38m 57s
2				

Traffic: Displays the total amount of traffic used by a specific client.

Uptime: Displays the amount of time a specific client has been connected to the WiFi.

Captive Portal

The proportion of authentication types of the selected network during the specific period.

Proportion	Total	Туре
89%	8	One-click
11%	1	Voucher
0%	0	Account
0%	0	Facebook
	0	Facebook

A pie chart displaying the total number of clients and the distribution of authentication types. Click on the chart to view the number and proportion of clients for each authentication type.



A list displays a comprehensive breakdown of clients by type of authentication.

Experience

A bar chart displays the experience status during the specified time and collects data approximately every 5 minutes. You can switch between 2.4GHz and 5 GHz.



The experience type is defined as below:

Color	Experience Type	Experience
	Excellent	HDV and internet game are available.
	Good	Communication application, Web page and VoIP are
	Poor	Go offline frequently or hard to go online.
	Inactive	Check whether a client is inactive according to the traffic and power usage

-O-Experience: As a reference, the parameters are client delay, packet loss, signal strength, etc., and the SVM algorithm is used to calculate the score, 100.

A solid line displays the client experience score, and a click on a point displays scores and the number of clients for different experience types at a specific time.



A list displaying detailed information about the client experience:

Client MAC	Reported at	Band	AP MAC	Experience Type	Reason	Channel Usage	Noise Floor	Pkt Loss Speed	Delay
3480.b3bf.639a	2022-03-16 00:00:54	5G	c0b8.e608.02fd	Excellent	-	23%	-102	0	2.8
2692.2837.0cd2	2022-03-16 00:01:43	5G	c0b8.e608.00c1	Excellent		12%	-101	0	10.4
44d7.913a.f0f7	2022-03-16 00:01:43	5G	c0b8.e608.00c1	Excellent	-	12%	-101	0	66.5
4cbc.e9dd.4ea8	2022-03-16 00:01:43	5G	c0b8.e608.00c1	Excellent	-	12%	-101	0	0.3
5686.6bd3.8b89	2022-03-16 00:01:43	5G	c0b8.e608.00c1	Excellent	-	12%	-101	0	49.6
04d6.aa55.9891	2022-03-16 00:03:59	2.4G	c0b8.e608.00c9	Good		14%	-109	0	0.1
1245.7281.c097	2022-03-16 00:03:59	2.4G	c0b8.e608.00c9	Good	-	14%	-109	16.2	0.1
1e0c.8a3a.bc62	2022-03-16 00:03:59	2.4G	c0b8.e608.00c9	Excellent	-	14%	-109	0	0.3
5694.1add.ce2a	2022-03-16 00:03:59	2.4G	c0b8.e608.00c9	Good	-	14%	-109	0	0.3
6854.5a3c.977c	2022-03-16 00:03:59	5G	c0b8.e608.00c9	Excellent	-	14%	-101	0	19.5

Client MAC: Displays client's MAC address.

Reported at: Displays time of data upload to Cloud.

Band: Displays radio connected by the customer: 2.4G or 5G.

AP MAC: Displays MAC address of the AP to which the client is connected

Experience Type: Displays the client's experience: Excellent, Good, Poor, Inactive.

Reason: Displays the reason why the experience is poor.

Channel Usage: Displays the utilization of the wireless channel to which the user is connected.

Noise Floor: Displays the noise floor of the client.

Pkt Loss Speed: Displays the packets loss proportion of client.

Delay: Displays the average delay of client.

Note: This chart will available when the project type is Cloud+AP and the devices in the network are Ruijie devices.

Туре	Cloud + AP

4.4 Report

Ruijie Cloud supports reports export to local or email, and also support monthly report export, monthly report only export previous month. Meantime, schedule export also supported.

Exporting report to local

Support export to CSV format or PDF format.



After selected the file type of export, your browser will begin the file download:

Ruíjie	MONITORING CONFIGURATION MA	INTENANCE				Downloads	<u> </u>	• 🖉 💿 •
A abcdetg@111.com ∨ © DASHBOARD	test123 V Search Network Q					(GMT+8.00)Asia/Sharajinar matrage = rojecc		momo Device
A TOPOLOGY	Summary Device	Client				Last 7 Days	- U =	Monthly Report
道 ALARM	WiFi Client Summary							
Network Voucher B DEVICE	Clients 40 30 20							
AP AC Switch Gateway Home Router	0 10 10	0 ³⁻¹⁰	B.11	13.12 ·	03.13	03.14 1	03.15	88 (7) (2)
Bridge	WiFi Client Activity 🛛							
Cameras NVR & CLIENT	Users 8		Minimal Minimal	Low 🦰 Medium 💼 High 💼	Extreme			
	2022-03-09	2022-03-10	2022-03-11	2022-03-12	2022-03-13	2022-03-14	2022-03-15	
	2.4G / 5G Clients			Top 10 WiFi Clie	ents by Traffic			
				Ranking	MAC Alias	Traffic		Uptime

Exporting report to email

Click the **Email** button, select CSV or PDF as export type and fill in your email recipient, the report will be sent to designated email address as an attachment.

Ruíjie	MONITORING CONFIGURATION MAIN		🗳 ü e S e*
A abcdefg@111.com ~	test123 V Search Network Q	Send as CSV O PDF	3MT+8 00)Asia/Shanghal Manage Project Take over Network Unbind Device
ര് TOPOLOGY	Summary Device Cli	Email testmail@test.com	Last 7 Days V 🕑 🕺 🖳 Monthly Report
년 ALARM REPORT Network Voucher 전 DEVICE AP	Clients	G +	
AC Swittch Gateway Home Router Bridge	© ^{NS™} WiFi Client Activity ●	and and an	هه ^{(۱} ۵۰ ه چې ډې
Cameras NVR & CLIENT	Users 8	Mininal Low Medium 📻 High 🜉 Extreme	
	0.4 2022-03-09	2022-03-10 2022-03-11 2022-03-12 2022-03-13	2022-03-14 2022-03-15
	2.4G / 5G Clients	I OP 10 WIH-I Clients by Irathic Rathing MAC Alias	Traffic Uptime

Exporting monthly report

The monthly report displays the network monitoring data, including user and flow summaries.

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Clicking on Monthly report will display the monthly report for this month.

Ruíjie	MONITORING CONFIGURATION MAINTENANCE		🗳 D 😣 🖯 😁
 A abcdelg@111.com ∨ M DASHBOARD 	test123 v Gaarch Network Q		(OMT-8:00)AsadShanghal Manage Project Take over Network. Underd Device
A TOPOLOGY	Monthly Network Report (Reports are retained for one year)		2022 ♥ 03 ♥ (Ψ) 🖾 ⇒Back
洒 ALARM			i i i i i i i i i i i i i i i i i i i
REPORT			
Network			
Voucher			
器 DEVICE			
AP			
AC			8
Switch		Monthly	(F)
Gateway		Vetwork Report	Q
Bridge			
& CAMERA			
Cameras			
NVR			
A CLIENT			
or or or other of the other of		2012/03	
		2022/03	

Monthly report will be kept for one year and you can select the month you need to export the monthly report.



Email report can be sent in the format of PDF or CSV to your designed emails. You can select to send the report immediately to the email recipient, or enable "Scheduled Report". The email report will be schedule and send to the designated email recipient on every 1st of the calendar month (beta function for partial users).

Ruíjie	MONITORING CONFIGURATION MAIN	TENANCE.	•0 0 a 🗳
A abcdefg@111.com ~	test123 V Search Network Q	Send Report × Note: The report of the last month will be sent before 6 am on the 1st day of each month.	3MT+8.00)Asia/Shanghai Manage Project Take over Network Unbind Device
DASHBOARD			
충 TOPOLOGY	Monthly Network Report (Reports are retained	Send Report to +	2022 V 03 V 🕑 🖂 😕 Back
道 ALARM		Send type 🛛 pdf 🗌 csv	1
REPORT		Scheduled Report	
Network			
Voucher		OK Close	
E DEVICE			
AP			
AC			國
Switch		Monthly	e e e e e e e e e e e e e e e e e e e
Galeway		Vetwork Report	Ω.
Bridge			
4 CAMERA			
Cameras			
NVR			
R CLIENT			
		2022/03	

4.5 Voucher Report

The **Voucher Report** saved a records of sales whenever voucher had distributed.

Voucher Report							Last 1 Day Last 7 Days	Last 30 Days	Custom	12
No.	Package Name		Description	Price	Qty	Activated Accounts		Total P	rice	
1	111	-		-	0	1				
Total					0	1				0.00

Click ¹² to download the Voucher Report in PDF format.

Qty: Displays number of vouchers generated by each package in the specified period.

Activated Accounts: Displays number of vouchers activated by each package in the specified period.

Total Price: Displays the total price of vouchers activated by each package in the specified period.

Total: Displays number of vouchers generated by all packages, number of vouchers activated by all packages and total amount of vouchers activated by all packages.

5. Device

5.1 AP

The AP screen displays a list of APs managed by the Ruijie cloud.

ADD

Click **DEVICE** > **AP** > **ADD**, enter the **SN**, **Alias**, and click **OK** to add a gateway to the network.

AP List					
Add	Web CLI	More -	0 Selected		
	Status	SN	Config Status	MAC	Alias

Web CLI

Click **DEVICE > AP > Web CLI** to enable the web CLI.

All \vee	> test214 \vee	Search Ne	etwork Q		
AP Lis	t New firmware	e available	for <mark>3</mark> devices		
Add	Web CLI	More 👻	1 Selected		
	Status	SN	Config Status	MAC	,

Ruijie AP

SN:12	5		
General	>	Version	Please select the target of
Connectivity	>	Running Config	
Running Status	>	Startup Config	
Client	>	Log	
WLAN	>	Current Mode	
Wireless Secu	>	Current Time	
Web CLI	>		

General > **Version**: Click to display the version of AP.

- **General > Running Config:** Click to display the running configuration of AP.
- **General > Startup Config:** Click to display the startup configuration of AP.
- **General** > **Log**: Click to displays the syslog of AP.
- **General > Current Mode:** Click to display the current mode of AP.
- **General > Current Time:** Click to display the current system time of AP.
| SN:12 | 5 | |
|----------------|--------------------|-------------------|
| General | > Interface IP | Please select the |
| Connectivity | > Interface Status | |
| Running Status | > ARP | |
| Client | > MAC | |
| WLAN | > DNS | |
| Wireless Secu | > Route | |
| Web CLI | > Ping Tool | |

Connectivity > Interface IP: Click to display the interface IP address of AP.

Connectivity > Interface status: Click to display the interface status of AP.

Connectivity > ARP: Click to display the ARP table of AP.

Connectivity > MAC: Click to display the MAC table of AP.

Connectivity > DNS: Click to display the DNS of AP.

Connectivity > Route: Click to display the route of AP.

Connectivity > Ping Tool: Click to do the ping test.

Web CLI			
SN:12			
General	>	CPU	Please select the tar
Connectivity	>	Memory	
Running Status	>		
Client	>		
WLAN	>		
Wireless Secu	>		
Web CLI	>		

Running Status > CPU: Click to displays the CPU status information of AP. **Running Status > Memory:** Click to displays the memory information of AP.

105 021			
SN:1	5		
General	>	Associated Client	Please select the t
Connectivity	>	Client IP(DHCP Server)	
Running Status	>	Client IP(DHCP Snooping)	
Client	>	Kick off Client	
WLAN	>	Blacklist	
Wireless Secu	>	Traffic Usage	
Web CLI	>		

Client > Associated Client: Click to display the associated client of AP.

Client > Client IP(DHCP Server): Click to display the Client obtains IP information of AP. Client > Client IP(DHCP Snooping): Click to display the Client IP for DHCP Snooping. Client > Kick off Client: Enter the Client's MAC to kick it out of the current network. Client > Blacklist: Enter the Client's MAC so that it cannot access the Internet. Client > Traffic Usage: Click to displays the Customer's traffic usage.



WLAN > MBSSID: Click to displays the SSID and BSSID of the WLAN of AP.

WLAN > WLAN Details: Enter WLAN ID to displays the details of AP.

WLAN > Roaming Group Neighbor: Click to displays the Roaming Group Neighbor of AP.

Veb CLI			
SN:1	5		
General	>	Attack Detection	Please select the targ
Connectivity	>	Dynamic Blacklist	
Running Status	>		
Client	>		
WLAN	>		
Wireless Secu	>		
Web CLI	>		

Wireless Security > Attack Detection: Click to displays the Statistics list of AP. Wireless Security > Dynamic Blacklist: Click to displays the Dynamic Blacklist list of AP.

Veb CLI			
SN:11	15		
General	>	Web CLI	Please select the
Connectivity	>		
Running Status	>		
Client	>		
WLAN	>		
Wireless Secu	>		
Web CLI	>		

Web CLI > Web CLI: Configure the AP with commands.



Web CLI		
SN:G1		14
General	>	Version Please select the
Connectivity	>	Log
Running Status	>	Current Mode
Client	>	Current Time
WLAN	>	

General > Version: Click to display the version of AP.

General > **Log**: Click to display the syslog of AP.

General > Current Mode: Click to display the current mode of AP.

General > Current Time: Click to display the current system time of AP.

CNI-C			
SN.G		4	
General	>	Interface IP	Please select the targ
Connectivity	>	Interface Status	
Running Status	>	ARP	
Client	>	DNS	
WLAN	>	Route	
		Ping Tool	

Connectivity > Interface IP: Click to displays the interface IP address of AP.

Connectivity > Interface status: Click to display the interface status of AP.

Connectivity > ARP: Click to display the ARP table of AP.

Connectivity > MAC: Click to display the MAC table of AP.

Connectivity > DNS: Click to display the DNS of AP.

Connectivity > Route: Click to display the route of AP.

Connectivity > Ping Tool: Click to do the ping test.

Web CLI			
SN:G		4	
General	>	Memory	Please select the targe
Connectivity	>		
Running Status	>		
Client	>		
WLAN	>		

Running Status > Memory: Click to display the memory information of AP.



Client > Associated Client: Click to display the associated client of AP.

Client > Client IP(DHCP Server): Click to display the Client obtains IP information of AP. Client > Client IP(DHCP Snooping): Click to display the Client IP for DHCP Snooping.

Ruijie Cloud Cookbook

SN:G		4	
General	>	MBSSID	Please select th
Connectivity	>		
Running Status	>		
Client	>		
WLAN	>		

WLAN > MBSSID: Click to display the SSID and BSSID of the WLAN of AP.

Delete

Click **DEVICE** > **AP** > **More** > **Delete** to delete the AP.

ALL ∨	> test214 V Search N	letwork Q	
AP Li	t Web CLI More → Move to	0 Selected Config Status	MAC A

Reboot

Click **DEVICE > AP > More > Reboot** to restart the AP.

ALL \sim	> test214 > Search N	letwork Q	
AP Lis	it		
Add	Web CLI More -	0 Selected	
	Move to Delete	Config Status	MAC
	Reboot		1-
	Edit Apartment SSID		

AP List

AP List				c	Auto Refresh: 👥 😌 🖄 🖽 🕇 🕅
Add Web CLI More - 0 Selected					SN, Alias, Description Q
Status SN Config Status MA	C Alias 🔶 MGMT IP	Egress IP Clients	Network	Firmware Version	Offline Time Model Description Action
Online <u>Synchronized</u> e	7 <u>RAP2260(E)</u> 192.168.111.200	120.35.11.195 -	test123 / customer group	ReyeeOS 1.75.2429	- RAP2260(E) Empty 1
	First Previous Page 1	of 1 Next	Last		10 👞 1 in total

Status: Displays the current status of AP, online or offline.

SN: Displays serial number of AP.

Config Status: Displays the handshake status between AP and Ruijie Cloud.

MAC: Displays MAC address of AP.

Alias: Displays alias of AP.

MGMT IP: Displays the local IP address of AP.

Egress IP: Displays the egress IP address of AP that communicate with Ruijie Cloud.

Client: Displays the number of Clients currently connected to the AP.

Network: Displays the project name of AP.

Firmware Versions: Displays the AP's version.

Offline Time: Displays the latest offline time of AP.

Model: Displays the model of AP.

Description: Clicks and edit the description of AP.

Action: Clicks a button to delete the AP.

AP details

Click the **SN** to view the AP's details.

Ruijie Cloud Cookbook

Monitoring Guidance

AP List										Auto Refres	n: 💽 😔	<u>د</u>	- 53 29
Add Web	CLI More -	0 Selected								S	N, Alias, Des	scription	Q
Status	SN	Config Status	MAC	Alias 🔶	MGMT IP	Egress IP	Clients	Network	Firmware Version	Offline Time	Model	Description A	Action
Status	SN G10 534	Config Status	MAC	Alias . <u>RAP2260(E)</u>	MGMT IP	Egress IP 120.35.11.195	Clients -	Network test123 / customer group	Firmware Version ReyeeOS 1.75.2429	Offline Time	Model RAP2260(E)	Description A	Action

AP Info

Device Details		×
AP Info		
Alias : RAF	SN : G1QH16	MAC : c470.
MGMT IP : 192.168.110.39	Model: RAP	Config Status : Synchronized
Hardware Version: 1.10	Mode: AP	Actual Master Device: H1PT 3
Firmware Version : ReyeeOS 1		
Description : 💉		
SSID : TestRAF , Interna ?, Test	TES ¹ , ¹ , Gue	

Alias: Click to edit the alias of AP.

SN: Displays the serial number of AP.

MGMT IP: Display the local IP address of AP.

MAC: Displays MAC address of AP.

Model: Displays the model of AP.

Config Status: Displays whether the configuration is synchronized to the AP.

Hardware Version: Displays the hardware version of AP.

Mode: Displays the mode of AP(only reyee AP support).

Actual Master Device: Displays the master device of AP(only reyee AP support).

Firmware Version: Displays the firmware version of AP.

Description: Clicks to edit the description of AP.

SSID: Displays the current SSIDs of AP.

Status

Status			
⊘ Online	Memory Usage	CPU Usage	Alarms : 0
Online Clients: 0	46.0%	9.0%	
Clients with Weak Signal : 0			

Online status: Displays the online status of AP.

Online Clients: Displays current online clients number of AP.

Clients with Weak Signal: Display how many clients with weak signal.

Memory: Displays the memory usage of AP(last 5 minutes).

CPU: Displays the CPU usage of AP(last 5 minutes).

Alarms: Displays the current alarms of AP.

Connectivity

Connectivity						Last 24 Hours Last 7 Days
15:00	19:00	23:00	3:0	5	7:00	11:00
Connectivity						Last 24 Hours Last 7 Days
3-08	3-09	3-10	3-11	3-12	3-13	3-14

Last 24 Hours: Displays the connectivity between AP and Ruijie cloud in past 24 hours.

Last 7 Days: Displays the connectivity between AP and Ruijie cloud in past 7 days.

Diagnose

Diagnose				
Web CLI	eWeb	SSH	Tunnel	

Web CLI: Click to open the Web CLI.

eWeb: Click to create the eWeb tunnel to AP device(Only reyee AP).

SSH: Click to create the SSH tunnel to AP device(Only reyee AP).

Tunnel: Click to create the tunnels.

Traffic Summary

Traffic Summary 🛛						Last 24 Hours	Last 7 Days
Avg Speed (Mbps)		-0-	- Uplink -O- Downlink				
0.06							
0.04 -			_			-	
0.03 - 0.02 -		2022-03-14 20:10:	2				_
0.01		• Uplink : 0.003					\mathbf{N}
2022-03-14 15:30:00	2022-03-14 19:30:00	2022-03-14 23:30:00	2022-03-15 03:30:00	2022-03-15 07:30:00	2022-03-15 11:30:	00	

Avg Speed: On the graph, the green line displays the uplink average connected speed during the selected time period; the blue line displays the downlink average speed during the selected time period.

Last 24 Hours: Displays the downlink and uplink average speed in past 24 hours.

Last 7 days: Displays the downlink and uplink average speed in past 24 hours.

Radio List

nel Power	Channel Width (MHz)	Channel Usage
1 100%	80	32%
100%	20	26%
	nel Power 1 100%	Power Channel Width (MHz) 1 100% 80 100% 20

RF Type: Displays the radio transmit type: 5GHz and 2.4GHz.

Channel: Displays the current usage of radios wave channel.

Power: Displays the radios wave transmit powers distribution.

Channel Width: Displays the channel width of radios.

Channel Usage: Displays the current radio channel usage on the environment.

Client List

Client List										0 ₫ #•
IP	MAC	SSID	RSSI	AP Alias	Band	Traffic(MB)		Manufacturer	Online Time	Offline Time
192.168.2	3cfa.43		-77	(1. HE)	2.4G	4.391	HUAWEI		2022-03-15 12:26:04	2
192.168.7	26eb	M	-61		2.4G	6.955	-		2022-03-15 13:50:45	5

IP: IP address of connected client.

MAC: MAC address of the connected client.

RSSI: SSID of client connected.

RSSI: Signal strength of the connected client.

AP Alias: AP alias name that client connect with. (if you had configured the name of AP Alias)

Band: Client connected the radio of type.

Traffic: total usage of bandwidth.

Manufacturer: Type of brand the connected client.

Online Time: Displays the client connected time.

Offline Time: Displays the client last online time.

Adjacent RF Signal(only ruijie AP support)

Adjacent RF S	ignal						
Scan Adjacent RF	Start Time: 2022-03-15	15:52:17 Expected C	ompletion Time: 2022	-03-15 16:1	2:17 Status: Initializat	tion	
BSSID	Radio	Adjacent SSID	Adjacent Channel	RSSI	Adjacent SN	Adjacent MAC	Uploaded at
1e24.4	Radio2(5G)		<mark>1</mark> 57	-24	G1M	0624	2022-03-15 16:06:05
1a	Radio2(5G)	۶ 720	<mark>1</mark> 57	-24	G1M	0624.	2022-03-15 16:06:05
062	Radio2(5G)	work	157	-25	G1N	0624.4	2022-03- <mark>1</mark> 5 16:06:05
0a.	Radio2(5G)	t 11	157	-25	G	0624.4.	2022-03-15 16:06:05

Scan Adjacent RF: Initiate the scan of environment neighbor WiFi channel.

Start Time: The last started time initiate a scan.

Expected completion Time: The expected time for the scan toward completion.

BSSID: Neighbor AP MAC address.

Radio: Neighbor radio wave channel.

Adjacent SSID : SSID from surround environment.

Adjacent Channel: Radio wave channel currently occupied by surrounded.

RSSI: Radio strength between this AP to neighbor AP.

Adjacent S/N: AP serial number from neighbor. (Only supported)

Adjacent MAC: MAC address from neighbor. (Only supported)

Uploaded at: Last scan completed.

Device Log

Device Log				Ð	¢ ∎= -
			All	~ a	Search
Туре	Updated at	Content			
Online/Offline	2022-03-14 21:50:49	Device online			
Online/Offline	2022-03-14 21:48:07	Device offline. The final time when it sends packets to Cloud is: 2022-03-14 21:39:07(It is an estimated value. The	deviation is 1 minute.)		
Online/Offline	2022-03-14 16: <mark>1</mark> 4:01	Device online			
Online/Offline	2022-03-14 16:13:07	Device offline. The final time when it sends packets to Cloud is: 2022-03-14 16:04:07(It is an estimated value. The	deviation is 1 minute.)		
Reboot	2022-03-11 13:33:15	Device restart			

Type: Displays the type of device log.

Updated at: Displays the time a log was created.

Content: Displays the details of device log.

5.2 AC

The AC screen displays a list of ACs managed by the Ruijie cloud.

When add a new AC to Ruijie Cloud, need to add a project with "AC + Fit AP" mode.

Click **PROJECT > Add Project** to add a new AC project.

Step1 Add in a project by select the type of project with "AC + Fit AP".

Add Project Add Pro	pject + Add Device	• — • Finish				×
Add Project + Add Project + Add Douce + Finish I Basic AC_Group Image: Add Group Image: Add Group </td <td></td>						
Name	AC_Group				Name	AC_Group
Management Password	Ruiiie123456				Parent Project	Root
Scenario	Rulpe 123430.				Time Zone	(GMT+8:00)Asia/Hong_Kong
Scenario					Туре	AC + Fit AP
	Office	Hotel	Villa/Home		Location	Not Bound
					SSID	
	Factory/	Restaurant	School			
	Retail/S	Residence	Customize			
Time Zone	(GMT+8:00)Asia/Hong	_Kong	~			
Туре		oud + AP	AC + Fit AP			
			Next	Cancel		

Step2 Enter the SN and Alias of AC.

Device	◆Add Project	Add Device	→ Finish				
AC	Gateway Switch	Home Router Wireles	ss Bridge		Added Equipment		
					AC	0	
1 SN		Alias			Gateway	0	
2 SN		Alias	<u></u> +		Switch	0	
					Home Router	0	
					Wireless Bridge	0	
					<u>view Details</u>		
				Save & Next Cancel			

Step3 And now Project successfully created.

Finish	*Add Project	Add Device Finish Finish
		Succeeded! AC: 0 , Switch: 0 , Gateway: 0 , Wireless Router: 0 , Wireless Bridge: 0

Add AC

Click **DEVICE > AC > Add** to add an AC to network.



* Note:

UP to 1 AC can be added to an AC network.

Web CLI

Click **DEVICE > AC > Web CLI** to enable the web CLI.

ALL V) AC V Search Network Q								
AC List (Click "SN" to view details)								
Add Web CLI eWeb Upgrade More - 0 Selected								

Veb CLI			
SN:G1			
General	>	Version	Please select the target operation on the l
Connectivity	>	Running Config	
Running Status	>	Startup Config	
Client	>	Log	
Web CLI	>	Current Time	

General > Version: Click to displays the version of AC.

- **General > Running Config:** Click to displays the running configuration of AC.
- **General > Startup Config:** Click to displays the startup configuration of AC.
- **General** > **Log**: Click to displays the syslog of AC.
- **General > Current Time:** Click to displays the current system time of AC.

Web CLI							
SN:G1P21J000	427(C					
General	>	Interface IP	Please select the target operation on the left				
Connectivity	>	Interface Status					
Running Status	>	ARP					
Client	>	MAC					
Web CLI	>	DNS					
		Route					
		Ping Tool					

Connectivity > Interface IP: Click to display the interface IP address of AC.

Connectivity > Interface status: Click to display the interface status of AC.

Connectivity > ARP: Click to display the ARP table of AC.

Connectivity > MAC: Click to display the MAC table of AC.

Connectivity > DNS: Click to display the DNS of AC.

Connectivity > Route: Click to display the route of AC.

Connectivity > Ping Tool: Click to do the ping test.

Web CLI			
SN:G1P21J000)427(d	
General	>	CPU	Please select the target operation on the left
Connectivity	>	Memory	
Running Status	>		
Client	>		
Web CLI	>		

Running Status > CPU: Click to display the CPU using rate information of AC. Running Status > Memory: Click to display the system memory used details of AC.

Web CLI			
SN:G1P21J000	4270	c	
General	>	Client IP(DHCP Server)	Please select the target operation on the left
Connectivity	>	Client IP(DHCP Snooping)	
Running Status	>		
Client	>		
Web CLI	>		

Client > Client IP(DHCP Server): Click to display the client IP list of AC.

Client > Client IP(DHCP Snooping): Click to display the DHCP Snooping bindings of AC.

Web CLI						
SN:G1P21J000	4270	5			Background color:	
General	>	Web CLI	Please select the target of	peration on the left		
Connectivity	>					
Running Status	>					
Client	>					
Web CLI	>					
			Command:			Send

Web CLI: Enter the command to display AC's information.

eWeb

Click **DEVICE** > **AC** > **eWeb** to access the AC eWeb.

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ALL 🗸 🔿	AC ~	Search Networ	k Q		
AC List	(Click "SN"	to view detai	ls)		
Add	Web CLI	eWeb	Upgrade	More -	0 Selected

Create the eWeb tunnel.

ip	:								
	 Succeeded to create the tunnel. eWeb system is connected. 								
	If the browser can not access the eWeb system:								
	 please allow the browser to pop up windows. please check if the proxy is turned on. If the web configuration page does not open automatically, please select either of the following ways: 								
	Open with Domain (Recommended)								
	Open with IP								



Upgrade

Click **DEVICE** > **AC** > **Upgrade** to upgrade the AC version.

ALL V) AC V Search Network Q	
AC List (Click "SN" to view details)	
Add Web CLI eWeb Upgrade More - 0 Selected	
Upgrade	×
Check in Maintenance > Log >Upgrade Log	
	Start Upgrade Cancel
Model: WS6008 Hardware Version: 1.22 Current Version: AC_RGOS 11.9(5)B1, Release	se(06240613) ×
Upgrade Version: Please select a firmware version.	Select Firmware
Upgrade Device: 1	
Scheduled Upgrade	
Advanced Settings ~	
	Start Upgrade Cancel

More

Click **DEVICE** > **AC** > **Upgrade** to perform the action: Reboot, Export, Delete.



AC List

ALL \sim	> AC ~ [Search Network Q							(1	GMT+8:00)A	sia/Hong_Kong Manage Project Take over Netw	ork Unbine	I Device
AC Lis	t (Click "SN"	to view details) eWeb Upgrad	e More + 0	Selected							Auto Refresh: SN, Name	D 😔	¤ - 8
	Status	SN	MAC	Alias	AP/STA	Management URL	Egress IP	Offline Time	Network	Model	Firmware Version	Description	Action
	Online	G1P21J000427C	300d.9e77.ec04	<u>AC11</u>	AP/STA List	172.26.7.97	120.35.11.195	-	AC	WS6008	AC_RGOS 11.9(5)B1, Release(06240613) Latest	Add	Û
				F	Previous	Page 1	of 1 Next	Last			C	10 -	l in total

Status: Displays the current status of AC, online or offline. **S/N:** Serial Number of the AC **MAC:** MAC address of AC.

Alias: Name of the AC.

AP/STA: Click to check the connected AP/STA list.

Management URL: The local eWeb IP address of the AC.

Egress IP: An IP address on the primary network interface communicating with the cloud services.

Offline Time: AC last online time communicated with cloud.

Network: Project name of AC.

Model: Model type of AC.

Firmware Versions: AC existing firmware version.

Description: Click to edit the description of AC.

Action: Click the dustbin button to delete and remove the AC.

AC Details

Click the **SN** to view the AC's details.

ALL 🗸	> AC ~ [5	Search Network Q			
ACL	ist (Click "SN" f	o view details)			
Add	Web CLI	eWeb	ade More - 0	Selected	
	Status	SN	MAC	Alias	AP/STA
	📀 Online	<u>G1P2</u>	300d.\$	<u>AC11</u>	AP/STA List
				F	irst Previous

Port Panel

Connected Disconnected Disabled				6	0	æ		-	
			PPPoE	Static IP	DHCP	∲ PoE	Rower Error	Copper	SFP
1/MGMT 2 3 4	5	6	7	8		7F	8F		

Displays the AC port type and status.

Type: PPPoE, Static IP, DHCP, PoE, Power Error, Copper, SFP. **Status:** Connect, Disconnect, Disabled.

Basic

	(Update Time:2022-03-03 10:47:02) 🕂 🗙
Alias:	AC11 🖌
Model:	WS6008
SN:	G1P2
MAC:	300d.
Firmware Version:	AC_RGOS 11.9(5)B1, Release(06240613)
MGMT IP:	172.26.7.97
Description:	1

Alias: Click the Pen to edit the alias of AC. **Model:** Model of AC.

S/N: Serial Number of the AC

MAC : MAC address of AC.

MGMT IP: The local eWeb IP address of the AC.

Firmware Versions: AC existing firmware version.

Description: Click to edit the description of AC.

Overview

CPU & Memory Us	age	Device Status	Connectiv	vity			Last 24	Hours Last 7 Day
	Meniory	Online Clients 1						
7.5%	55.4%	Active Clients 0	10:00	14:00	18:00	22:00	2:00	6:00
Percentage (%)		2022-03-03 CPU/	Memory Summ	nary				Today▼
Percentage (%)		2022-03-03 CPU/ -⊖- CPU -	Memory Summ -O- Memory	nary				Today 🗸
Percentage (%) 60 1	~	2022-03-03 CPU/ CPU - °	Memory Summ -O- Memory 	nary		0		Today▼ ⊃
Percentage (%) 60 40		2022-03-03 CPU/ -O- CPU -	Memory Summ -O- Memory -	nary		0		Today▼



CPU & Memory Usage: Displays the last 5mins of CPU and Memory usage.

Device Status: Display the model of AC.

Connectivity: Display the connection status between AC and ruijie cloud.

CPU/Memory Summary: The line of graph displays the CPU and memory usage within a period of time. Frequency of time can be change.

Client Summary: The line of graph, displays the number of clients connected within a period of time.

Log Record: Displays an activity log of the AC.

Device Log: Separated the operation log of the device.

Config Log: Separated the configure log of the device.

new Full	Config Tunnel				Description:	
Speed Summ	ary Gi0/1 🗸 🕑					
Avg Speed/	(Mbps)		-O- Uplink -O- Down	link		
0.05 0.04 0.03 0.02 0.01	V V W				M	
0.	31 13:21:43 15:06:56	16:52:08 18:37:20 20:22:3	3 22:07:45 23:52:58	01:38:10 03:23:23	3 05:08:35 06:53:49 08:39:0	01 10:24:13
0 11:36: Port Port Name	Admin Status	16:52:08 18:37:20 20:22:3	3 22:07:45 23:52:58 Duplex Mode	01:38:10 03:23:2: Port Type	3 05:08:35 06:53:49 08:39:0 VLAN	01 10:24:13 PoE Status
0 11:36: Port Port Name Gi0/1	Admin Status Enabled	16:52:08 18:37:20 20:22:3 Status Connected(100M)	3 22:07:45 23:52:58 Duplex Mode Full-duplex	01:38:10 03:23:23 Port Type Trunk	VLAN Native Id: 1 Allowed Vlar. 1-4094	PoE Status Unsupported
0 11:36: Port Port Name Gi0/1 Gi0/2	Admin Status Enabled Enabled	16:52:08 18:37:20 20:22:3 Status Connected(100M) Disconnected	3 22:07:45 23:52:58 Duplex Mode Full-duplex Disconnected	01:38:10 03:23:2 Port Type Trunk Access	05:08:35 06:53:49 08:39:0 VLAN Native Id: 1 Allowed Vlan: 1-4094 1	PoE Status Unsupported Unsupported
0 11:36: Port Gi0/1 Gi0/2 Gi0/3	Admin Status Enabled Enabled Enabled	16:52:08 18:37:20 20:22:3 Status Connected(100M) Disconnected Disconnected	3 22:07:45 23:52:58 Duplex Mode Full-duplex Disconnected Disconnected	01:38:10 03:23:23 Port Type Trunk Access Access	VLAN Native Id: 1 Allowed Vlan: 1-4094 1 1	PoE Status Unsupported Unsupported Unsupported
0 Port Gi0/1 Gi0/2 Gi0/3 Gi0/4	Admin Status Enabled Enabled Enabled Enabled Enabled	16:52:08 18:37:20 20:22:3 Status Connected(100M) Disconnected Disconnected Disconnected	3 22:07:45 23:52:58 Duplex Mode Full-duplex Disconnected Disconnected Disconnected	01:38:10 03:23:23 Port Type Trunk Access Access Access	VLAN Native Id: 1 Allowed Vlan: 1-4094 1 1 1	PoE Status Unsupported Unsupported Unsupported Unsupported Unsupported

Port

Speed Summary: Blue line displays average downlink speed; Green line displays average uplink speed at a period of time.

Port Name: Indicate as the port interface number.

Admin Status: Displays the port settings: enabled or disabled.

Port Status: Port connection status: connected or disconnected.

Duplex Mode: Mode of the port interface.

Port Type : Displays the port type: trunk or access.

VLAN: Displays the VLAN ID of the port.

PoE Status: Displays the PoE status of the port.

Config

AC and AP backup file.

rview	Port Cor	nfig Tunnel				Description:		
Backup	p List							
AC	AP							
Down	nload Dele	te Compare						0 ·
		File Name	File Size	Time	Mode	MD5	Description	Action
	G1P21J000427C	_1646267824662.txt	247	2022-03-03 08:37:04	Auto	33ce4f4296039bd6aa870fab7165d102	Add	Details
	G1P21J000427C	_1646267823721.txt	6911	2022-03-03 08:37:01	Auto	99d6c679f4ed41a739ac5e6646b94d07	Add	Details
	G1P21J000427C	_1646253424565.txt	247	2022-03-03 04:37:04	Auto	33ce4f4296039bd6aa870fab7165d102	Add	<u>Details</u>
	G1P21J000427C	_1646253423693.txt	6911	2022-03-03 04:37:01	Auto	99d6c679f4ed41a739ac5e6646b94d07	Add	Details

Tunnel

verview r	Port Config Tu	nnel			Description	n: 🖍	
Create Tu	unnel						
Type: T	elnet 🗸	Create Tunnel]				
-							(10000 (10000))
Tunnel Li	ist						Local Global
Click Refrest	ist h to update the tunnel	status. If the tu	unnel is unavailable, please	e close the tunnel and re-ci	reate it. If the re-created tun	nel is still unavailable,	please contact us for
Click Refrest support.	ist h to update the tunnel	status. If the tu	unnel is unavailable, please	e close the tunnel and re-ci	reate it. If the re-created tun	nel is still unavailable,	please contact us for
Click Refrest support.	ist h to update the tunnel Host	status. If the tu Port	unnel is unavailable, please Destination Device	e close the tunnel and re-co Destination Port	reate it. If the re-created tun Expired at	nel is still unavailable, Status	Local Global please contact us for O Action
Click Refrest support.	ist h to update the tunnel Host 35.186	Port	unnel is unavailable, please Destination Device Local	e close the tunnel and re-co Destination Port 80	Expired at 2022-03-03 13:22	nel is still unavailable, Status Connecting	Local Global please contact us for Action Disable Go
Click Refrest support. Type eWeb eWeb	ist h to update the tunnel Host 35.186 35.18	Port	Destination Device	e close the tunnel and re-co Destination Port 80 80	Expired at 2022-03-03 13:22 2022-02-14 17:45	nel is still unavailable, Status Connecting Disabled	Local Global please contact us for Action Disable Go Re-create

Tunnel Type: Select the tunnel type: Telnet or eWeb.

Host: Displays the tunnel IP address.

Port: Displays the tunnel port.

Expired at: Displays the tunnel expiration date and time.

Status: Displays the tunnel current status: connecting, creating, disabled.

Action: Re-perform an action to the tunnel : Disable, Go, Re-create.

5.3 Switch

The Switch screen displays a list of switches managed by the Ruijie cloud.

ADD

Click **DEVICE** > **Switch** > **ADD**, enter the SN, **Alias**, and click **OK** to add a switch to the network.

Switch I	_ist				
Add	Web CLI Mo	0 Selected			
	Status	SN MAC	Alias 🖨	MGMT IP	Egn

Web CLI

Click **DEVICE > Switch > Web CLI** to enable the web CLI.

Switch L	_ist			
Add	Web CLI Mo	ore - 0 Selected		
	Status	SN MAC	Alias 🔷	MGMT IP

Ruijie switch



General > Version: Click to displays the version of switch.

General > Running Config: Click to displays the running configuration of switch.

General > Startup Config: Click to displays the startup configuration of switch.

General > Log: Click to displays the syslog of switch.

General > Current Time: Click to displays the current system time of switch.

Web CLI			
SN:G1			
General	>	Interface IP	Please select the target
Connectivity	>	Interface Status	
Running Status	>	ARP	
Web CLI	>	MAC	
		DNS	
		Route	
		Ping Tool	

Connectivity > Interface IP: Click to displays the interface IP address of switch.

Connectivity > Interface status: Click to displays the interface status of switch.

Connectivity > ARP: Click to displays the ARP table of switch.

Connectivity > MAC: Click to displays the MAC table of switch.

Connectivity > DNS: Click to displays the DNS of switch.

Connectivity > Route: Click to displays the route of switch.

Connectivity > Ping Tool: Click to do the ping test.



Running Status > CPU: Click to displays the CPU status information of switch. **Running Status > Memory:** Click to displays the memory information of switch.

Ruijie Cloud Cookbook

/eb CLI		
SN:G1		
General	> Web CLI	Please select the
Connectivity	>	
Running Status	>	
Web CLI	>	

Web CLI > Web CLI: Configure the AP with commands.

Reyee switch

VVED GLI			
SN:G1			
General	>	Version	Please select the targ
Connectivity	>	Log	
Running Status	>	Current Mode	
		Current Time	

General > Version: Click to display the version of switch.

General > **Log**: Click to display the syslog of switch.

General > Current Mode: Click to display the current system information of switch.

General > Current Time: Click to display the current system time of switch.

Web CLI		
SN:G1		
General	>	Interface IP
Connectivity]	Interface Status
Running Status	>	ARP
		DNS
		Route
		Ping Tool

Connectivity > Interface IP: Click to display the interface IP address of switch.

Connectivity > Interface status: Click to display the interface status of switch.

Connectivity > ARP: Click to display the ARP table of switch.

Connectivity > MAC: Click to display the MAC table of switch.

Connectivity > DNS: Click to display the DNS of switch.

Connectivity > Route: Click to display the route of switch.

Connectivity > Ping Tool: Click to do the ping test.

Web CLI					
SN:C					
General	>	Memory	ן		
Connectivity	>				
Running Status	⊳				

Running Status > Memory: Click to display the memory information of AP.

Delete

Click **DEVICE** > **AP** > **More** > **Delete** to delete the switch.



Reboot

Click **DEVICE** > **AP** > **More** > **Reboot** to restart the switch.

Quvitab Lia	.+		
Switch Lis	St		
Add	Web CLI More -	0 Sele	cted
	Move to	SN	MAC
	Delete	4	
	Reboot		

Switch List

ALL 🗸	Search Networ	k Q							((GMT+8:00)Asia/Hong_Kong	Manage Project Take over Network	Unbind Device
Switch	Switch List Auto Refresh: 🌑 😌 🖄 🗰 🛪 🕃											
Add	Web CLI	More 👻 1 Se	elected								SN, Alias, De	scription Q
	Status	SN	MAC	Alias	¢	MGMT IP	Egress IP	Offline Time	Network	Model	Firmware Version	Description Action
	📀 Online	CAPCO 7.	c01.1	6209GC-P		192.168.110.3	120.35.11.195	2022-03-19 07:00:25	ter	ES209GC-P	ESW_1.0(115)	Empty.
	Online 📀	<u>G1PH</u>	30	<u>.2910-24G1</u>	JP-H	172.26.4.248	172.26.4.248	2022-03-19 06:58:07	<u>11111</u>	S2910-24GT4SFP-UP-H	S29_RGOS 11.4(1)B70P1	<u>111</u> 🗊

Status: Displays the current status of Switch, online or offline.

S/N: Serial Number of the Switch

Config Status: Handshake status between Switch and cloud services.

MAC : MAC address of Switch.

Alias: Name of the Switch.

MGMT IP: The local eWeb IP address of the Switch.

Egress IP : An IP address on the primary network interface communicating with the cloud services.

Offline Time: The Switch last online time communicated with cloud.

Network: Project name of Switch.

Model: Model type of Switch.

Firmware Versions: Switch's existing firmware version.

Description: Click to edit the description of Switch.

Action: Click the dustbin button to delete and remove the Switch.

Switch details

Click the **SN** to view the switch's details.

Ruijie Cloud Cookbook

Monitoring Guidance

1	Switch	List											Auto Re	fresh: 💽 र्र	2 12	II - 10
(Add	Web CLI	More 🕶	0 Selected										SN, Alias, De	escription	Q
		Status	A SN	MAC	Alias	¢	MGMT IP	Egress IP	Offline Time	Network		Model	Firmware	Version	Descrip	tion Action
		Online 📀	CAP(<u>7</u> c0b8 7	<u>2-P</u>		<mark>192.168.110.3</mark>	120.35.11.195	2022-03-19 07:00:25	test123	E	-P		07200415)	Empty.	Ū

Switch Info

Switch Info		
Alias:	S291	/
Model:	S25	
SN:		
MAC:	300	
Firmware Version:	S29_RGOS 11.4(1)B70P	1
MGMT IP:	172.26.4.248	
Description:	111 🖍	

Alias: Name of the Switch.

Model: Model type of Switch.

S/N: Serial Number of the Switch

MAC : MAC address of Switch.

Firmware Versions: Switch's existing firmware version.

MGMT IP: The local eWeb IP address of the Switch.

Description: Click to edit the description of Switch.

Overview

CPU & Memory Usage		Connectiv	rity				Last 1 Day Last	7 Days
CPU	Memory							
6.8%	51.0%	10:00	14:00	18:00	22:00	2:00	6:00	

CPU : Displays the last 5mins of CPU usage of the Switch.

Memory: Displays the last 5mins of memory usage of the Switch.

Connectivity:

Last 24 Hours: Displays the connectivity between switch and Ruijie cloud in past 24 hours.Last 7 Days: Displays the connectivity between switch and Ruijie cloud in past 7 days.

Uplink & Speed Summary

Uplink		Speed Summary Gi0/23 V 🛛 🖓
Port	Gi0/23	Avg Speed(Mbps) Uplink Downlink
Speed	1000M	27
Duplex	Half-duplex	15-
Uplink/Downlink Speed	12.47Kbps 188.31Kbps	0.5 -
Uplink/Downlink Traffic	467.66KB↑ 3.23MB↓	0.4

Port: Indicate as port interface number.

Speed: Interface negotiation of the port speed.

Duplex: Interface negotiation of the port mode.

Uplink/Downlink Speed: Displays the uplink/downlink session bandwidth over the past 5 mins.

Uplink/Downlink Traffic: Displays the uplink/downlink total usage of bandwidth over the past 5 mins.

Avg Speed: On the graph, Green line displays the uplink average connected speed; blue line displays the downlink average connected speed.

Device Log

Log Record	ł	
Device Log	Config Log Port Log	
Туре	, Updated at	All ✓ Q Search ↔ 第 ▼
Reboot	2022-03-19 17:14:11	Device restart
Online/Offline	2022-03-19 17:14:11	Device online
Online/Offline	2022-03-19 07:07:07	Device offline. The final time when it sends packets to Cloud is: 2022-03-19 06:58:07(It is an estimated value. The deviation is 1 minute.)
VLAN Change	2022-03-18 20:56:45	VLAN 40 is added to the device.;

Type: Displays the type of device log.

Updated at: Displays the time a log was created.

Content: Displays the details of device log.

Config Log

Log Record						
Device Log Config Log Port Log						
	į.	🛛 Recent Log 🗸	2022/03/15 11:23:11	- 2022/03/21 11:23:	11 💮 Q Search	단 # -
Operation Type	Started at	Ended at	Status	4	Description	Details
		No	Data			

Operation Type: Displays the type of device log.

Start at: Displays the time which a log was started.

Ended at: Displays the time which a log was ended.

Status: Displays the status.

Description: Displays the description of log.

Details: Displays the details of device log

Port Log

Log Reco	ord		
Device Log	Config Log Port Log		
		Port 2022-03-21 C Search	0
Port	Updated at	Content	
Gi0/16	2022-03-21 10:50:03	Port Gi0/16: Port status is changed from Down to Up; The system detects a change in the port information, and history update may be delayed.	
Gi0/16	2022-03-21 10:50:03	Port Gi0/16: Port status is changed from Up to Down	
Gi0/16	2022-03-21 10:47:03	Port Gi0/16: Port status is changed from Down to Up	

Port: Displays the port of device log.

Updated at: Displays the time a log was created.

Content: Displays the details of port log.

Port Settings

Overview Ports	Config PoE D	Diagnose			Description: 111 🖍
Port Settings Po	rt: (Gi0/16)				
Admin Status	Enabled	~	Routed Port		
Duplex Mode	Auto-negotiation	~	Туре	Access	~
Speed	Auto	~	VLAN ID	1	
Description					
PoE-Capable	On	~			
Media Type	Unsupported				
Save					

Admin Status: Clicks to select the admin status.

Routed Port: Clicks to enable or disable the routed port.

Duplex Mode: Clicks to select the duplex mode of the port.

Type: Clicks to select the type of port: trunk or access.

Speed: Clicks to select the speed of the port.

VLAN ID: Enter the VLAN ID of the port.

Description: Click to edit the description of the port.

PoE-Capable: Clicks to enable or disable the PoE.

Media Type: Displays the media type of the port.

Port list

Ruijie Cloud Cookbook

Port List						
						Ð
Port	Admin Status	Status	Duplex Mode	Port Type	VLAN ID	PoE Status Action
Gi0/1	Enabled	Disconnected	Disconnected	Access	1	Off
Gi0/2	Enabled	Disconnected	Disconnected	Access	1	Off
Gi0/3	Enabled	Disconnected	Disconnected	Access	1	Off
Gi0/4	Enabled	Disconnected	Disconnected	Access	1	Off
Gi0/5	Disabled	Disconnected	Disconnected	Access	1	Off
Gi0/6	Disabled	Disconnected	Disconnected	Access	1	Off
Gi0/7	Enabled	Connected(1000M)	Full-duplex	Access	1	Off
Gi0/8	Enabled	Disconnected	Disconnected	Access	1	Off
Gi0/9	Enabled	Disconnected	Disconnected	Trunk	Native Id: 1 Allowed VLAN: 1-4094	Off
Gi0/10	Enabled	Disconnected	Disconnected	Access	99	Off

Port: Indicate as port interface number.

Admin Status: Displays the port settings: enabled or disabled.

Port Status: Port connection status: connected or disconnected.

Duplex Mode: Status and Mode of the port interface.

Port Type: Displays the port type: trunk or access.

VLAN ID: Displays the VLAN ID of the port.

PoE Status: Displays the PoE status of the port.

VLAN List

VLAN list includes the VLAN ID and the correspondingly ports. You can add VLAN ID or remove VLAN ID here.

Overview	Ports	Config	PoE	Diagnose		Description: 111 🖍	
VLAN List							
Add							⊙
	VLAN ID				Port		Action
	1		Gi0/1	-9, Gi0/11, Gi0/13-28			
	6		Gi0/9	, Gi0/23			<u>III</u>
	7		Gi0/9	, Gi0/23			直
	10		Gi0/9	, Gi0/23			血
	20		Gi0/9	, Gi0/23			<u>iii</u>
	28		Gi0/9	, Gi0/23			Ш.
	30		Gi0/9	, Gi0/23			血
	40		Gi0/9	, Gi0/23			<u>111</u>
	99		Gi0/9	-10, Gi0/23			血
	199		Gi0/9	, Gi0/12, Gi0/23			<u>101</u>

SVI & DHCP

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

SVI&DHCP				
Please add the corres	ponding VLAN before adding the SVI	port.		Ç
VLAN ID	SVI	DHCP Pool Name	Action	
1		22	Edit	
199	192.168.199.1	VLan 199	Edit Delete SVI Delete DHCP	

DHCP Snooping

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

DHCP Snooping	
DHCP Snooping Status	
Trust the selected ports (the uplink port is selected by default)	
Selected Unselected Non-configurable	D D D 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.	Deselect Refresh
Save Please click Save after configuration.	

RLDP

Enable **RLDP Status**, select one or multiple ports, choose the troubleshooting method for a loop, and click **Save**. The troubleshooting methods include **Detection Disabled**, **Warning**, **Block**, **Shutdown-port** and **Shutdown-SVI**. If Warning is chosen, the **Switch Loop** alarm should be enabled in the **Alarm Settings** page.

PPSKtest v Search Network Q			(GMT+8 00)AsiaHong_Kong Manage Project	Take over Network
Alarm Settings				0
	Туре	Status	Alarm Threshold	Email Alarm
Device offline alarm		•		
Device goes online/offline frequently		C	-20 %	0.0
All device offline		()		
Channel utilization		C		
Device configuration changes		C		
System indicator (CPU, memory usage, etc.) beyond threshold				
Switch loop			1	

Click Auto Config to enable the default configuration.

Loop Prevention (RLDP)	
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 2	2 26 27 28
Tip: Click to select or deselect the port.	Select All Deselect Refresh
Config Port: Gi0/11	
Type: Loop Detection Save	Troubleshooting: Shutdown-port

Configuration Backup List

The backup records include configuration file name, size, time, mode and MD5. Click **Current** to display the current configuration. Click **Backup** to back up the current configuration. Click **Download** to download the backup configuration. Click **Restore** to restore the configuration. Click **Delete** to remove the backup configuration.

Co	onfiguration Backup List						
Cu	rrent Back up Download Restore	Delete	Compare				O ■+ •
	File Name	File Size	Time	Mode	MD5	Description	Action
	G1PH50H000338_1647684434222	4.53K	2022-03-19 18:07:00	Auto	250d9c3ffa6b569d44f1b66a61ed62ed	Empty.	<u>Details</u>
	G1PH50H000338_1647630586145	4.69K	2022-03-19 03:07:00	Auto	9c8f6f282ac19c9eff344761e0e31a36	Empty.	Details
	G1PH50H000338_1647360544610	4.29K	2022-03-16 00:07:00	Auto	54aa14db2e4d6928dab61dbba69c2709	Empty.	<u>Details</u>
	G1PH50H000338_1646885336391	4.11K	2022-03-10 12:07:00	Auto	9ac9c7acad7b131e7a06af4ecb1034a2	Empty.	<u>Details</u>
	G1PH50H000338_1646856481708	4.13K	2022-03-10 04:07:00	Auto	cf1d562b1aa5d3412f64b7143be6305a	Empty.	Details
	G1PH50H000338_1646842022819	4.11K	2022-03-10 00:07:00	Auto	9ac9c7acad7b131e7a06af4ecb1034a2	Empty.	<u>Details</u>
	G1PH50H000338_1646827650083	4.04K	2022-03-09 20:07:01	Auto	42142ad26edc9c417987ebca7a8451ee	Empty.	<u>Details</u>
	G1PH50H000338_1646813323355	4.01K	2022-03-09 16:07:00	Auto	7bc3a5e3fed13f660e06e58474390422	Empty.	<u>Details</u>
	G1PH50H000338_1646798845608	3.97K	2022-03-09 12:07:00	Auto	9fc5e92d7bb0dd481524bbe97c745d34	Empty	<u>Details</u>
	G1PH50H000338_1646755658116	3.99K	2022-03-09 00:07:00	Auto	31c180408605b9dfa5a4fd98adfea0c5	Empty.	<u>Details</u>

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.

Overview Ports	Config PoE Diagnose			Description:	111 🖍
PoE Port List					
Total Power:370.0 W, Curr	ent Power:0.0 W, Time:2022-03-2	1 11:18:50			0
Port	PoE-capable	PoE Status	Power	PD class	Description (2)
Gi0/1	Enable	Off	0.0 W	NA	170
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	Off	0.0 W	NA	120
Gi0/10	Enable	Off	0.0 W	NA	
	First	revious Page 1 of 3	Next Last		10 a 24 in total

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.



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

Overview	Ports Config PoE Diagnose	Description: 111 🖍
Fault Diag	nosis	
Туре	PoE Power Supply V	
Port	GI0/19	
Disabled Enab	led Abnormal Not Supported	Uplink Copper SFP
Diagnose	1 5 7 9 11 13 15 17 19 21 23 1 6 8 10 12 14 16 16 20 22 24 25 26 27 28 Deep Diagnosis	Listense
13:25:4 13:25:4 13:25:3 13:25:3 13:25:3	9 Falled to get the procedure. 3 Diagnosing 3 Diagnosing 2 Diagnosing 2 Port Gi0/19 Starting	

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

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

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

PoE Diagnosis			
Diagnose			
Select Downlink Ports Deselect	Firmware version:	S29_RGUS 11.4(1)B70P1
	MGMT IP:	172.26.6.90	
Overview Ports Config PoE Diagnose	Description:	/	
Fault Diagnosis Type PoE Power Supply Port Gi0/21			
Disabled Enabled Abnormal Not Supported			Uplink Copper SFP
1 3 5 7 9 11 13 15 17 19 21 3 2 4 6 8 10 12 14 16 18 20 22 24 25 26 27 28			
Diagnose Deep Diagnosis			

5.4 Gateway

The Gateway screen displays a list of gateways managed by the Ruijie cloud.

Add Gateway

Click **Add**, enter the SN, Alias and Password, and click **OK** to add a gateway to the network.

ALL \vee	Search Network Q
Gatev	vay List New firmware available for 2 devices
Add	Web CLI eWeb More - 0 Selected

SN	Alias	
Tip: Please enter the p	assword of admin account of the eWeb system to author	rize Cloud to manage this
device. You can skip th Device > Gateway	is step now, and authorize the password and check the	results in MONITORING >
Password		
Fassword		

* Note:

A network can have only one gateway.

Web CLI

Select one device in the **Gateway 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.



Reyee Gateway Web CLI
Web CLI			
J. The second	~ · ^ ·	1	
General	>	Version	Please select the target operation on the left
Connectivity	>	Log	
Running Status	>	Current Mode	
Client	>	Current Time	
WLAN	>		

General > Version: Click to displays the version of Gateway.

General > Log: Click to displays the syslog of Gateway.

General > Current Mode:

General > Current Time: Click to displays the current system time of Gateway.

Veb CLI			
SN			
General	>	Interface IP	Please select the target operation on the left
Connectivity	>	Interface Status	
Running Status	>	ARP	
Client	>	DNS	
WLAN	>	Route	
		Ping Tool	

Connectivity > Interface IP: Click to display the interface IP address of Gateway.
 Connectivity > Interface status: Click to display the interface status of Gateway.
 Connectivity > ARP: Click to display the ARP table of Gateway.
 Connectivity > DNS: Click to display the DNS of Gateway.

Connectivity > Route: Click to display the route of Gateway.

Connectivity > Ping Tool: Click to do the ping test.

SN		D.	
General	>	Memory	Please select the target operation on the lef
Connectivity	>		
Running Status	>		
Client	>		
	>		

Running Status > Memory: Click to display the interface status of Gateway.

Veb CLI			
SN	<u>.</u>	1	
General	>	Associated Client	Please select the target operation on the lef
Connectivity	>	Client IP(DHCP Server)	
Running Status	>	Client IP(DHCP Snooping)	
Client	>		
WLAN	>		

Client > Associated Client: Click to display the connected wireless users of Gateway.

Client > Client IP(DHCP Server): Click to display the client IP allocated by DHCP server of Gateway.

Client > Client IP(DHCP Snooping): Click to display the client IP allocated by DHCP server after gateway enables the DHCP Snooping function.

* Note:

Only EG105GW which supports WiFi protocol has this section.

Veb CLI			
SN:H1PH74511	9402	2	
General	>	MBSSID	Please select the target operation on the left
Connectivity	>		
Running Status	>		
Client	>		
WLAN	>		

WLAN > MBSSID: Click to displays the bssid of each VLAN.

* Note:

Only EG105GW which support WiFi protocol has this section.

Ruijie Gateway Web CLI Function

IOD OLI			
SN.		1	
General	>	Version	Please select the target operation on the le
Connectivity	>	Running Config	
Running Status	>	Startup Config	
Client	>	Log	
Web CLI	>	Current Time	

General > **Version**: Click to display the version of Gateway.

General > Running Config: Click to display the running configuration of Gateway.

General > Startup Config: Click to display the startup configuration of Gateway.

General > **Log**: Click to displays the syslog of Gateway.

General > Current Time: Click to display the current system time of Gateway.

Ved CLI			
SN			
General	>	Interface IP	Please select the target operation on the lef
Connectivity	>	Interface Status	
Running Status	>	ARP	
Client	>	DNS	
Web CLI	>	Route	
		Ping Tool	

Connectivity > Interface IP: Click to display the interface IP address of Gateway.
Connectivity > Interface status: Click to display the interface status of Gateway.
Connectivity > ARP: Click to display the ARP table of Gateway.
Connectivity > MAC: Click to display the MAC table of Gateway.
Connectivity > DNS: Click to display the DNS of Gateway.
Connectivity > Route: Click to display the route of Gateway.
Connectivity > Ping Tool: Click to do the ping test.

/eb CLI			
ç		1	
General	>	CPU	Please select the target operation on the left
Connectivity	>	Memory	
Running Status	>		
Client	>		
Web CLI	>		

Running Status > CPU: Click to display the CPU usage of Gateway.

Running Status > Memory: Click to display the memory usage of Gateway.

/eb CLI			
SN:		0	
General	>	Client IP(DHCP Server)	Please select the target operation on the left
Connectivity	>	Client IP(DHCP Snooping)	
Running Status	>		
Client	>		
Web CLI	>		

Client > Client IP(DHCP Server): Click to display the client IP allocated by DHCP server of Gateway.

Client > Client IP(DHCP Snooping): Click to display the client IP allocated by DHCP server after gateway enables DHCP Snooping function.

General	>	Web CLI	Please select the target operation on the left
Connectivity	>		
Running Status	>		
Client	>		
Web CLI	>		

Web CLI > Web CLI: Click to displays the interface IP address of Gateway.

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

eb CLI				
SN				Background color:
General	*	Web CLI	Please select the target operation on the left	
Connectivity	>			
unning Status	>			
lient	>			
Veb CLI	*			
			Command:	Send
				the second s

eWeb

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

Gatewa	y List New f	irmware ava	ailable for <mark>2</mark>	devices
Add	Web CLI	eWeb	More 👻	0 Selected

More

Do more functions with Gateway.

Move to

Select one device in the **Gateway List**, click **More** > **Move to**, select the new project and click **OK**.



Select Project		×
		Q
■ ⊕ Root		^
- 品 11111111111111		
- 品 111111111		
一 歳 AC_Group		-
- 品 RyeeNetwork1_Auto		
🗉 🍰 hrhdfgf		
- 🍰 aedfdfd		
-		
🗉 🛅 Training		
– ♣ VPNtest		
一 彘 luo		
– ♣ PPSKtest_Auto		
- 品 Cloud_Auth_Test_Auto2		
一		
● 歳 testbackup		~
	Cancel	ок

Reboot

Select one or multiple devices in the Gateway List, and click More > Reboot and click OK.





Delete

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

Add	Web CLI	eWeb	More 👻	0 Se	elected
	Status	Mov	ve to	s ¢	MG
	Online H1	P601 Reb	oot	<u>0-P</u>	172.2
	Online H1	IPH74 Dele	ete	<u>GW</u>	192.16
Messa	age				×

Unauthorized Gateway List:

Before a gateway authorized into the network, it is shown under the **Unauthorized Gateway List**.

If it failed to authorize, you can click **Re-authorize** from the **Action** column to re-enter the password to re-authenticate the device.

Unauthorized Gateway List					0 X
Note: The gateway is displayed in the	Unauthorized Gateway List	when it has not gone online on Cloud yet or the password authentication fails.			
				SN	Alias Search
SN	Alias	Status	Network	Added at	Action
H1QH6RL045754	testEG	No password. Please enter the password.	ap_online	2022-03-06 21:55:11	Re-authorize Delete
		First Previous Page 1 of 1 Next	Last		5 🛌 1 in total 📈

Message	×
Note: Password verification needs to interact with the device. If the device is offline, the system needs to we it to go online. If the password of admin account is the default password, please change the password first.	ait for e
Enter the password of admin account of eWel system	b
OK Cancel	

Gateway List:

The Search function supports fuzzy queries based on SN, alias and description.

Ga	teway List New	firmware available for	2 devices						Auto F	Refresh: 🔍	0 🖉 🛙	₩ ▼
A	d Web CLI	eWeb More 🕶	0 Selected							SN, Alias,	Description	Q
	Status	SN	Alias 👙	MGMT IP	MAC	Egress IP	Network	Firmware Version	Offline Time	Model	Description	Action
	📀 Online		EG2100-P	172.26.5.195	300d.9e7f.0c86	120.35.11.195	EG2100	EG_RG0S 11.9(1)B11S3_Release(07242723)	2022-01-21 14:41:07	EG2100-P	Empty	Ū
	📀 Online	·····	EG105GW	192.168.111.1	300d.9ee7.e915	120.35.11.195	test123	ReyeeOS 1.55.1915	2022-03-02 04:53:07	EG105GW	Empty	Ū
	📀 Online		RyeeEG	172.26.5.128	ecb9.7017.393e	120.35.11.195	Router RAP	ReyeeOS 1.55.1914	4	EG105G-P	Empty	Û

Status: Displays the current status of Gateway, online or offline.

S/N: Serial Number of the Gateway.

Config Status: Handshake status between Gateway and cloud services.

MAC : MAC address of Gateway.

Alias: Name of the Gateway.

MGMT IP: The local eWeb IP address of the Gateway.

Egress IP: An IP address on the primary network interface communicating with the cloud services.

Network: Project name of Gateway.

Firmware Versions: Gateway's existing firmware version.

Offline Time: Gateway last online time communicated with cloud.

Model: Model type of Gateway.

Description: Click to edit the description of Gateway.

Action: Click the dustbin button to delete and remove the Gateway.

EG details

Click the **SN** to view the Gateway's details.

Reyee Gateway details

Click the SN in the **Gateway List** to open the details page of a single device. The page displays detailed device information, including the router info, device status, device config, and log record.

Gate	eway List M	New firmware availab	le for 2 device More + 0 Si	elected					Auto Refi	resh: 💽 · SN, Alias, E	O ∠ Description	# + 8 Q
0	Status	SN	Alias 🔶	MGMT IP	MAC	Egress IP	Network	Firmware Version	Offline Time	Model	Descripti	on Action
	📀 Online		EG2100-P	172.26.5.195	300d.9e7f.0c86	120.35.11.195	EG2100	EG_RGOS 11.9(1)B11S3. Release(07242723)	2022-03-11 13:12:37	EG2100-P	Empty.	Ō
0	📀 Online		EG105GW	172.26.5.237	300d.9ee7.e915	120.35.11.195	test123	ReyeeOS 1.55.1915	2022-03-02 04:53:07	EG105GW	Empty.	Û
0	Online	······	EG105G-P	172.26.5.253	c0b8.e635.283c	120.35.11.195	Cloud_Auth_Test	ReyeeOS 1.56.1325	2022-01-27 16:06:07	EG105G-P	Empty	Û
	🕲 Offline		ruijieEG	172.26.4.253	300d.9e7e.f4a7	112.111.60.98	111	EG_RGOS 11.9(1)B11S3. Release(07242723)	2021-09-08 19:01:07	EG2100-P	Empty	Ū
	Offline		ReveeEG	172.26.5.128	ecb9.7017.393e	120.35.11.195	Router RAP	ReyeeOS 1.56.1325	2022-03-10 09:13:07	EG105G-P	Empty.	前
					First Previous	s Page 1	O of 1	Last			10 🔺	5 in total

Router Info

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

Router Info		
Alias: EG105GW 🖍	SN: H1PH745119402	MAC: 300d.9ee7.e915
Management IP: 192.168.111.1	Type: EG105GW	Sync: Synchronized
Hardware Version: 1.10	Operation Mode: Route	Actual Master Device: H1PH745119402
Firmware Version: ReyeeOS 1.55.1915		
Description:		
SSID: RAP22, PPSKtesttime, TestNAT, test1,	IT department, L2TP-Client	

Alia: Name of the Gateway.

S/N: Serial Number of the Gateway.

MAC : MAC address of Gateway.

Management IP: The local eWeb IP address of the Gateway.

Type: Model of Gateway.

Sync: Handshake status between Gateway and cloud services.

Hardware Version: Displays hardware batch version of Gateway.

Operation Mode: Displays current mode of the Gateway.

Actual Master Device: Displays the master device in Gateway network.

Firmware Versions: Gateway's existing firmware version.

Offline Time: Gateway last online time communicated with cloud.

Model: Model type of Gateway.

Description: Click to edit the description of Gateway.

SSID: Displays the SSID Link from the WiFi capable device.

* Note:

The SSID section only displays on WiFi-supported device, such as EG105GW.

Device Status

Device status includes the memory usage, CPU usage and the flash usage.



Connectivity

Connectivity refers to the connectivity (online status) between Gateway and Cloud Service within a period (24 hours or 7 days).

Device Config

You can configure certain functions of the device on the cloud.

Web CLI

The Web CLI function you can use to query the corresponding device information.

Device Config		
Web CLI eWeb SSH	Tunnel Reboot Cloud Portal Auth	

eWeb

To connect into your local Gateway via remote access.

Device Config		
Web CLI eWeb	SSH Tunnel Reboot Cloud Portal Auth	

SSH

Click to perform a **SSH** tunnel to the device with other tools (e.g. PuTTY).

Web CLI eWeb SSH	Tunnel Reboot Cloud Portal A	uth	
Message		×	
 Creation sug with other tools 	cceeded. Please log in (e.g. PuTTY).		
Host:	35.186.146.18		
Port:	10136		
CONTRACTOR STOCK			
Expired at:	2022-03-11 14:39		
Expired at: If the tunnel can	2022-03-11 14:39 not be used, please retry		

* Note:

Reyee device can't support SSH function, only R&D can use this feature for further troubleshooting.

Tunnel

Click **Tunnel** to create different types of tunnel such as SSH, eWeb or you can create a custom tunnel through an intermediary device for access.

Device Config		
Web CLI eWeb	SSH Tunnel Reboot Cloud Portal Auth	
Tunnel (SN: H1PH745119402)		×
Create Tunnel		
Type: Custom	Dest. Device: Please select or enter the Dest. Port: 80 Create Tunnel	

You can see the tunnel you created in the Tunnel List.

Tunnel I	ist						Local Glob
		o oroște it er cor	teat up for our art				• ∎+
Type	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
SSH	35.186.146.18	10136	Local		2022-03-11 14:39	Connecting	Disable Go
eWeb	35.186.146.18	10281	Local	80	2022-03-10 22:58	Disabled	Re-create
eWeb	35.186.146.18	10280	Local	80	2022-03-10 13:32	Disabled	Re-create
eWeb	35.186.146.18	10340	Local	80	2022-03-10 04:10	Disabled	Re-create
eWeb	35.186.146.18	10394	Local	80	2022-03-10 00:25	Disabled	Re-create
eWeb	35.186.146.18	10396	Local	80	2022-03-09 22:42	Disabled	Re-create
eWeb	35.186.146.18	10267	Local	80	2022-03-09 12:46	Disabled	Re-create
eWeb	35.186.146.18	10304	Local	80	2022-03-08 23:16	Disabled	Re-create
eWeb	35.186.146.18	10296	Local	80	2022-03-08 18:12	Disabled	Re-create
		40474	Less	80	2022 02 08 15:10	Disabled	Do arosto

* Note:

When you create a custom tunnel, the device should be able to access the intermediary device.

Reboot

Click **Reboot** to reboot the device.

Device Config			
Web CLI eWeb	SSH Tunnel	Reboot Cloud Portal Auth	

Cloud Portal Auth

Reyee EG devices support Cloud portal authentication, including one-click, voucher,

account, SMS (integrated with Twilio) authentications.

Device Config		
Web CLI eWeb S	H Tunnel Reboot Cloud Portal Auth	

Network Topology



Configuration Steps

Enable the Auth, configure the Auth IP/Range, seamless and choose the portal template.

Cloud Portal Auth	/ supported on P50 and higher versions	×
Note		
1 The Voucher/Account porta	a authentication on gateway does not support speed limit and flow guida limit that defined on profile	
2. The Voucher/Account porta	al authentication on gateway does not support flow usage display.	
3. Only One-click/Voucher/Act	count/SMS authentications are supported on the gateway (Facebook auth is not supported).	
Auth	After you enable Cloud Portal Auth, it will be synced to the Reyee EG automatically.	
Portal Escape @		
Auth IP/Range	192.168.110.250 +	
Seamless Online 🛛		
User Offline Detection	Only supported on P56 and higher versions	
Please select a portal of	or add a new portal.	
test	845 SINIAL-NEY 111	
Access Code		>

Auth: After you enable Cloud Portal Auth, it will be synched to the Reyee EG automatically **Portal Escape**: The new client can go online without authentication and access the Internet directly.

Auth IP/Range: Add the authentication IP range for authentication. If the IP address of the EAP device is in the authentication IP range, please choose Whitelist to add the EAP MAC address to the MAC address whitelist.

Seamless Online: Users only need to pass authentication once. If they want to go online again, authentication is not required. After users go online, they do not need to log in again in the specified period.

User Offline Detection: Detect automatically if the user is offline. This function only supported on P56 and higher version.

* Note:

1. The cloud portal auth function only supported on P50 and higher versions of Reyee Gateway.

2. The Voucher/Account portal authentication on gateway does not support speed limit and flow quota limit that defined on profile.

3. The Voucher/Account portal authentication on gateway does not support flow usage display.

4. Only One-click/Voucher/Account/SMS authentications are supported on the gateway (Facebook auth is not supported).

Configuration Verfication

Cloud will sync the configuration to Reyee Gateway

Ruíjíe i ⁽ ®Rcycc	test123 > EG105GW (Maasten) 🕘 English 🗸 🖓 Ruijje Cloud 🔮 Download App 🔌 Network Setup @ Network Check 👸 Warn 🕞	}Log O
ී Overview ම Online Clients	Roter Hostname: EG105GW SN: H1PH745119402 IP: 172.26.5.237 • EG105GW MAC: 30:0D:9E:E7:E9:15 © Reboot	ot
A Router	Overview Basics × Security × Behavior × VPN × Advanced × Diagnostics × System ×	
্থি Wireless	Cloud Auth Whitelist Online Users	
🕾 Switches	👔 Ruijie Cloud supports voucher authentication, local account authentication, SMS authentication and one-click authentication. Please log into Ruijie Cloud to enable authentication. View	D
Network	If the IP address of the EAP device is in the authentication IP range, please choose Whitelist to add the EAP MAC address to the MAC address whitelist.	
	Authentication	
	* Server Type Cloud Integration \checkmark	
	* Auth Server URL portal.ruijienetworks.com	
	Client Escape 🗾 Enable	
	* IP/IP Range 192.168.110.250 Add	
«Collapse	Save	

FAQ

What should I do if I fail to pop-up the portal page?

1) Confirm whether the client has obtained the IP address, if not, check whether the network configuration is correct.

2) Check whether the DNS is correct, try to configure the common DNS: 8.8.8.8.

3) Open the browser, manually enter http://1.1.1.1 to check whether the portal page is

popped up.

4) Disable pop-up blocking. The browser may be set to block pop-ups so as to save data and prevent you from seeing any annoying ads when you visit website.

Settings Safari	
Search Engine	Raidu >
Search Engine	baidu 7
Search Engine Suggestions	
Safari Suggestions	
Quick Website Search	On >
Preload Top Hit	
About Safari Search & Privacy	
GENERAL	
AutoFill	>
Frequently Visited Sites	
Favorites	Favorites >
Block Pop-ups	
Downloads	iCloud Drive >
TABS	
Show Tab Bar	
Show Icons in Tabs	
Open Links	In New Tab >

5) If the problem is still unsolvable, you may start a Live Chat with our Support Engineer for assistance: <u>Ruijie Support</u>

What should I do if I fail to do the voucher authentication?

1) Check whether the EG configuration is delivered successfully.

2) Check the failure prompts. Common failures include incorrect account and password, account expiration and traffic overdue. You can check the account status on the Ruijie Cloud.

3) If the problem is still unsolvable, you may start a Live Chat with our Support Engineer for assistance: <u>Ruijie Support</u>

What can I do if the voucher code has expired but it still can be used?

1) Check whether the voucher has expired.

2) Go to Ruijie cloud and enable the User Offline Detection.

Cloud Portal Auth	supported on P50 and higher versions
Note	
1. The Voucher/Account porta	I authentication on gateway does not support speed limit and flow quota limit that defined on profile.
2. The Voucher/Account porta	authentication on gateway does not support flow usage display.
3. Only One-click/Voucher/Acc	count/SMS authentications are supported on the gateway (Facebook auth is not supported).
Auth	After you enable Cloud Portal Auth, it will be synced to the Reyee EG automatically.
Portal Escape @	
Auth IP/Range	192.168.110.146-192.168.110.148 +
Seamless Online @	•
User Offline Detection	Only supported on P56 and higher versions

3) Check the EG version, this feature only supported on P56 or higher version.

4) Try to disconnect and reconnect to WiFi and check whether the internet can be accessed can access or not.

5) If the problem is still unsolvable, you may start a Live Chat with our Support Engineer for assistance: <u>Ruijie Support</u>

What can I do if the voucher data usage exceeded but it can still be used?

The voucher portal authentication on Reyee EG does not support flow quota limit that defined on profile.

Why can't I see the Facebook auth option on the authentication page?

Only One-click/Voucher/Account/SMS authentications are supported on the gateway (Facebook auth is not supported).

Why the speed limit policy configured on voucher does not take effect?

The voucher portal authentication on Reyee EG does not support speed limit that defined on profile. you need to configure the speed limit policy on EG.

Ruijie Cloud various captive portal authentication solutions difference?

Refer to this link:

https://community.ruijienetworks.com/forum.php?mod=viewthread&tid=1826

IPTV IPTV/VLAN

Click **IPTV**, support configuring the VLAN type of IPTV/IP Phone: the WAN port supports multiple VLAN tags.

IPTV/VLAN IPTV/IG	BMP	
	WAN LAN Disconne	Disabled PPOE Static IP DHCP Copper SFP
	LANZ	
	VLAN Type	IPTV ~
	VLAN ID	Range: 1-4094
	Save	

* Note:

You can only select a LAN port (Not supported on the first LAN port).

IPTV/IGMP

Click **IGMP** to enable IGMP function.

IPTV/VLAN	IPTV/IGMP	
IGMP Enable		

Dynamic DNS

Automatically update your DNS host each time when its public IP address changes. Please first register an account in either of the DDNS providers: Noip (www.noip.com) and Dyndns (account.dyn.com).

* Note:

The Dynamic DNS function only supported configuring on cloud on P56 and higher versions of Reyee Gateway.

Ruijie DDNS

Ruijie DDNS	No-IP DynDNS	10	
Service Interface	wan0	*	
Username		*	
Password		*	
Domain		*	
	Save	Reset	

* Note:

This is a Beta version, and the domain name will take effect in 1-5 minutes.

No-IP

Dynamic DNS 🛛			
Ruijie DDNS	No-IP DynDNS		
Service Interface	wan0 ~	*	
Username		*	
Password	~ ·	*	
Domain			
	Save Reset]	

DynDNS

Ruijie DDNS	No-IP DynDNS	
Service Interface	wan0	*
Username		*
Password		*
Domain		*
	Save	

Speed Summary

Speed summary includes the uplink/downlink speed summary over the past 24 hours or the past 7days.

Speed Summary 🕜					Last 24 Hours	Last 7 days
Avg Speed (Mbps)		-(- Uplink Downlink			
1						
0.8						
0.6						
0.4 -						
0.2						
0 ¢ 2022-03-10 11:30:00	2022-03-10 15:30:00	2022-03-10 19:30:00	2022-03-10 23:30:00	2022-03-11 03:30:00	2022-03-11 07:30:00	

Radio List

Radio list includes the information of both radios, including RF type, channel, power, channel width (MHz) and channel usage.

* Note:

Only EG105GW which support WiFi protocol has this section.

			€
Channel	Power	Channel Width (MHz)	Channel Usage
40	1%	80	7%
11	1%	20	65%
	Channel 40 11	Channel Power 40 1% 11 1%	Channel Power Channel Width (MHz) 40 1% 80 11 1% 20

User List

User list includes the information of all users, including IP address, MAC address, SSID name, RSSI, AP alias, band, traffic (MB), device manufacturer, user online time and offline time.

* Note:

Only EG105GW which support WiFi protocol has this section.

U	ser List								· · · ·
IP	MAC	SSID	RSSI	AP Alias	Band	Traffic(MB)	Manufacturer	Online Time	Offline Time
	No Data								
				First	Previous	Page 0 0 of 0	Next		10 • 0 in total

Configuration Backup List

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

Configuration Back	kup List	0 Selected				Ð	≣= × 53
	File Name	File Size	Time	Mode	MD5	Description	Action
H1PTATC001746_	1646987464446.tar	50.72K	2022-03-11 16:31:02	Auto	367e82282517ee747d39e9d70ed5fe97	Empty	Details
H1PTATC001746_	1646843464991.tar	9.14K	2022-03-10 00:31:02	Auto	c1dfeb2b5a0dd165354190ba3f14e21e	Empty	Details
H1PTATC001746_	1646742667705.tar	89.48K	2022-03-08 20:31:02	Auto	028bea7a923b2eb312ac63be370fb9d2	Empty	Details
H1PTATC001746_	1646497868355.tar	46.49K	2022-03-06 00:31:03	Auto	f7220b761fa09beb868baf29cbd6dd84	Empty	Details
H1PTATC001746_	1646483465682.tar	5.04K	2022-03-05 20:31:03	Auto	b8b30ecda456a684f5efffce039689ab	Empty	Details
H1PTATC001746_	1643193124881.tar	63.44K	2022-01-26 18:32:01	Auto	881ff41b66fa328a4787dd4a5334aea5	Empty	Details
H1PTATC001746_	16430203260 <mark>4</mark> 0.tar	21.50K	2022-01-24 18:32:03	Auto	e0875e6fc2b37c4413c882df4d613cba	Empty	<u>Details</u>
H1PTATC001746_	1642689124379.tar	59.76K	2022-01-20 22:32:02	Auto	aed70071e8da4dc70ead9a192240f124	Empty	Details
H1PTATC001746_	1642645923274.tar	17.39K	2022-01-20 10:32:02	Auto	f397b71494432154d6777d8d1b2137ca	Empty	Details
H1PTATC001746_	1642602737178.tar	146.46K	2022-01-19 22:32:12	Auto	a20f96e2a4622ce991af3cc0ee9013fe	Empty	Details
		First Previous	Page 1 🗘 of 3	Next	Last	10 -	27 in total

Select one record, and click **Backup** 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.

Log Record

Log Record > 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.

Record			
Device Log Config	Log		
		All V Q Search 😔	80 v
Туре	Updated at	Content	
Upgrade	2022-03-05 20:43:44	Device version from ReyeeOS 1.56.1306 to version ReyeeOS 1.56.1325	
Reboot	2022-03-05 20:43:43	Device restart	
Online/Offline	2022-03-05 19:20:34	Device online	
	First	Previous Page 1 0 of 1 Next Last 10 - 3 i	in total

Log Record > Config Log

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

time.

_og De	Record evice Log Config Log						
	Operation Type	Started at	Recent L Ended at	.og v 20 Status	22/03/05 21:03:53 📰 - 2022/03/11 21:03:53 📰 Description	Q Search Detai	O 📰 -
Ð	Update EasyNetwork wireless config	2022-03-10 09:19	2022-03-10 09:19	Succeeded	Config: Cloud_Auth_Test_Auto Generated;		
÷	Update EasyNetwork wireless config	2022-03-10 09:18	2022-03-10 09:19	Succeeded	Config: Cloud_Auth_Test_Auto Generated;		
+	Delete wireless blacklist/whitelist based on SSID	2022-03-09 21:41	2022-03-09 21:42	Succeeded	Group: Cloud_Auth_TestDelete the blacklist/		
	F	First Previous	Page 1 🗘	of 1	lext Last	10 -	3 in t

Ruijie Gateway details

Click the SN in the **Gateway 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.

ALL \vee	Search Networ	k Q						(GMT+8:00)Asia	/Hong_Kong Manage Project	Take over Netwo	Unbind	Device
Gate	Gateway List New firmware available for 2 devices Auto Refresh: Image: Control of the										‡ - 53	
Add	Web CLI	eWeb More -	0 Selected							SN, Alias,	Description	Q
	Status	SN	Alias 👙	MGMT IP	MAC	Egress IP	Network	Firmware Version	Offline Time	Model	Description	Action
	🤣 Online	H1PC	EG2100-P	172.26.5.195	300d.9e7f.0c86	120.35.11.195	EG2100	EG_RG0S 11.9(1)B11S3, Release(07242723)	2022-01-21 14:41:07	EG2100-P	Empty	Ū
	📀 Online	Ht	EG105GW	192.168.111.1	300d.9ee7.e915	120.35.11.195	test123	ReyeeOS 1.55.1915	2022-03-02 04:53:07	EG105GW	Empty	茴
	📀 Online	H1C 171017700	RyeeEG	172.26.5.128	ecb9.7017.393e	120.35.11.195	Router RAP	ReyeeOS 1.55, 1914	-	EG105G-P	Empty	Û

Port Panel

Г

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

WAN LAN Disconnected Disabled				PPPoE	Static IP	DHCP	PoE	Abnormal	Copper	SFF
	WAND	LAN2	LAN4	LANS						
		$\textcircled{\baselinetwidth}$	۲	۲						
				۲						
	LAN1/WAN1	LANS	LANS	LAN7						

Basic Info

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

Basic	
Alias:	EG2100-P 🖍
Model:	EG2100-P
SN:	1111 00 110022
MAC:	300d.9e7f.0c86
Firmware Version:	EG_RGOS 11.9(1)B11S3, Release(0724 2723)
MGMT IP:	172.26.5.195
Description:	1

Overview > CPU & Memory Usage

CPU & Memory Usage includes the CPU usage, memory usage of gateway.

ory Usage
26.6%

Overview > Device Status

Device Status includes the online status, online clients and sessions.



Overview > Connectivity

Connectivity refers to the connectivity (online status) between Gateway and Cloud Service within a period (24 hours or 7 days).

Connect	ivity		Last 24 Hot	urs Last 7 Days

Overview > Speed Summary

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



Overview > Client Summary

Client summary includes the client number over the past 24 hours based on the day.



Overview > CPU/Memory Summary

CPU/Memory summary includes the CPU/Memory percentage over the past 24 hours based on the day.

ocentage (%) 90 -							-
60 -						ĥ	
30-	AMerin	Monon	hunger	nentra	man	manm	

Overview > Session Summary

Session summary includes the session number over the past 24 hours based on the day.



Overview > Top 10 Applications by Traffic

Top 10 applications by traffic displays the top 10 applications ranked by traffic.

ļ	Тор 10 Арр	lications by Traffic	
	No.	Application	Traffic
	1	HTTP-BROWSE	380.00 bps ↓ /248.00 bps ↑
	2	CAPWAP	139.00 bps↓ /1.04 Kbps ↑
	3	UDP-COMMUTE	54.00 bps 4 /54.00 bps *
	4	SYN_ACK	41.00 bps 4 /78.00 bps 1
	5	DNS	38.00 bps 4 /21.00 bps *
	6	OTHER-UDP	27.00 bps 4 /25.00 bps *
	7	HTTPS	0.00 bps 4 /0.00 bps 1
	8	TencentGame	0.00 bps 4 /0.00 bps 1

Overview > Top 10 Users by Traffic

Top 10 users by Traffic displays the top 10 users ranked by traffic.

Top 10	Users by Traffic	
No.	Username	Traffic
1	10.10.1.2	487.00 bps 4 /373.00 bps 1
2	10.10.1.85	139.00 bps 🕹 /1.04 Kbps 🕇
3	10.10.1.18	27.00 bps ↓ /25.00 bps ↑
4	10.10.1.9	27.00 bps ↓ /29.00 bps ↑

Overview > Log Record

Config 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.

evice Log	Config Log	
Type	Undated at	All V Q Search 😔 📰 🗸
Online/Offline	2022-03-11 13:14:24	Device online
Online/Offline	2022-03-11 13:14:07	Device offline. The final time when it sends packets to Cloud is: 2022-03-11 13:12:37(It is an estimated value. The deviation is 1 minute.)
Online/Offline	2022-03-11 10:43:42	Device First connect to Cloud or Cloud address change
Online/Offline	2022-03-11 10:41:51	Device First connect to Cloud or Cloud address change
Online/Offline	2022-03-11 10:34:57	Device First connect to Cloud or Cloud address change
Reboot	2022-03-10 14:26:34	Device restart
Reboot	2022-02-28 10:02:17	Device restart
Reboot	2022-02-21 21:34:01	Device restart

Port Log

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

Log Record					
Device Log Config Log					
	Ø	Recent Log 🖌 202	2/03/05 21:32:48 🖂 -	2022/03/11 21:32:48	Q Search 😔 📰 🔻
Operation Type	Started at	Ended at	Status	Descripti	ion Details
		No D	ata		
	First Previous	Page 0 of 0	Next		10 🔺 0 in total

WAN

The WAN page displays the information of WAN port including Gi0/0 and Gi0/1.



Basic: Displays the basic information of the EG WAN port including its IP address, subnet mask and descrption.

Speed Summary: Displays the real-time uplink/downlink speed of the EG WAN port. **Port Status:** Displays the status of the EG WAN port.

LAN

The LAN page displays the information of LAN port including LAN2 to LAN7.

Switch Port (LAN 2)	Subinterface (Gi0/2)		
Duplex: Full	Name	IP	VLAN
Speed: 1000M	Gi0/2.1	10.10.10.1	10
Pouted Port (Gi0/2)	Gi0/2.11	192.168.11.1	11
D· 10.10.1.1	Gi0/2.14	192.168.114.1	14
Subnet Mask: 255,255,255,0	Gi0/2.20	192.168.20.1	20
AN: LAN 2.LAN 3.LAN	Gi0/2.30	192.168.30.1	30
4,LAN 5,LAN 6,LAI	17 Gi0/2.6	192.168.6.1	6

Switch Port: Displays the switch port information including duplex and speed.

Route Port: Displays the routed port information including IP address, subnet mask of the main interface, included LAN ports and description.

Subinterface: Displays the IP address and encapsulated VLAN of the subinterface.

Config > Configuration Backup List

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

Monitoring Guidance

Cum	ent Back up Download Rest	Delete	Compare				<mark>ତ</mark>
	File Name	File Size	Time	Mode	MD5	Description	Action
	H1P601K00584A_1646456536379	45.61K	2022-03-05 13:02:00	Auto	a5e430f2130749604fe55f37568955b2	Empty	Details
	H1P601K00584A_1646382725813	44.30K	2022-03-04 16:32:00	Auto	529c0d8af0a540d9afb8f838f5146a9c	Empty	Details
	H1P601K00584A_1646216767665	44.23K	2022-03-02 18:26:01	Auto	bb241c72880aad9a79212e2e12f3f451	Empty	Details
	H1P601K00584A_1646119266249	43.25K	2022-03-01 15:20:02	Auto	b6edb7d98e552c443d48afb62e118fe8	Empty	Details
	H1P601K00584A_1646116029916	43.29K	2022-03-01 14:27:01	Auto	12790f4c348a2b19f8cdf23a519267b1	Empty	<u>Details</u>
	H1P601K00584A_1646052197392	43.07K	2022-02-28 20:43:09	Auto	f3add9ca3475f81d8163556b69503b24	Empty	Details
	H1P601K00584A_1646031119560	43.06K	2022-02-28 14:51:50	Auto	e73d0c8f73f630b1be28442e034e91b8	Empty	Details
	H1P601K00584A_1646013907448	44.39K	2022-02-28 10:04:00	Auto	e69bbdc0aae90429be30e4cf50625d8a	Empty.	Details
	H1P601K00584A_1645866606067	46.79K	2022-02-26 17:10:02	Auto	8b37008d6ffafc5256faea806dcc6f6a	Empty.	Details
	H1P601K00584A_1645609687944	46.76K	2022-02-23 17:48:00	Auto	b61a6dc2bccb8e663509ad16e4ddbfc6	Empty	Details

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

11 1 1 11 1 1 11 1 1 11 1 1 11 1 1 12 1 1 13 1 1 14 1 1 15 1 1 16 1 1 17 1 1 18 1 1 19 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 10 1 1 11 1 1 12 1 1 13 1 1 14 1 1 15 1 1 16 1 1 17 1		H1P601K00584A_1646456536379.txt
1 24 1p account list studied.1 24 1p account list studied.1 254 3 3p account list studied.2 257 37 1 257 38 p account list studied.20 257 39 257 1p account list studied.20 30 paccount list studied.20 257 31 paccount list studied.20 257 31 paccount list studied.20 257 31 paccount list studied.20 257 32 paccount list studied.20 257 31 paccount list studied.20 257 32 paccount list studied.20 256 34 paccount list studied.20 256 35 paccount list studied.20 256 35<	[1] @ flowreerene total-limit 0 0 flowreerene i adsorible any action trust total-limit 0 par-ip-limit 15 (Inspath rule auto-discovery totport part 80 description ass0-http-app- 22 30 local-account cloud enable	 240 1 240 10erprenerg total-liait.0 260 10erprenerg total-liait.0 260 10erprenerg total-liait.0 261 10erpt huis auto-discovery datpart port 80 description even-http-app- 261 10el-recent cloud enable
0 p score=lint standard, 99 200 [p score=lint standard, 99 10 p seriat han 1 200 [Lint Lint Lint Lint Lint Lint Lint Lint	(4) ! 5) ip access-list standard 1 16) 10 permit any: 77) 80 ip access-list standard 20 60 !	254 : 255 ip access-list standard 1 266 10 permit any 257 i 258 ip access-list standard 20 259 i
H 00H 00H 00H 00H 00H 00H 00H 00H 00H 0	0 ip access-list standard 99 1 10 permit host 192.168.1.1 21 5 ip access-list extended 100	000 ip access-list standard 99 061 10 permit host 192.168.1.1 080 ip access-list extended 100
	14 15 ip access-list extended 108 16 17 ip access-list extended 109	294 205 ip access-list artended 108 266 267 ip access-list artended 109

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

Description				
1		1	*	
afb8f838f5146a9c	Empty.]	Details	

POE

PoE statistics are displayed in **PoE Port List**, including the port, physical port, PoE-capable, PoE status, power and PD class.

* Note:

The POE section only displays on the device that support POE function, such as EG2100-P.

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	3.9W	3
port3	LAN 3	Enable	Off	0.0W	Unknown
port4	LAN 4	Enable	On	3.5W	3
port5	LAN 5	Enable	Off	0.0W	Unknown
port6	LAN 6	Enable	On	3.2W	3
port7	LAN 7	Enable	On	3.2W	3
	First	Previous Page 1 0 of 1	Next		10 🔺 8 in tot

Alarm

Click Alarm to set different alarm rules of threshold/port status/packet loss speed types.

Threshold

You can set the threshold of uplink/downlink bandwidth and how often to send the alarms.

Alarm	To configure alarm settings, click here. To apply the configuration to other devices, click here
Туре	Rule
Threshold	Egress Channel Width (The values are automatically retrieved. If incorrect, please modify the value manually, and the system will not automatically fetch values any more)
	REMOTE_CONF_1 Uplink Channel Width 1000 M Downlink Channel Width 1000 M REMOTE_CONF_11 Uplink Channel Width 1000 M Downlink Channel Width 1000 M
	If the bandwidth exceeds 80 % of threshold for 5 times, the alarm is sent.

Click click here to configure alarm settings

Alarm Settings			0 X
Туре	Status	Alarm Threshold	Email Alarm
Device offline alarm		-	
Device goes online/offline frequently		>20 % 📀	00
All device offline		-	
Channel utilization			
Device configuration changes		-	
System indicator (CPU, memory usage, etc.) beyond threshold		-	
Switch loop		÷.	
Switch port status			\bigcirc
Switch PoE exception			0
Switch Port uplink/downlink rate beyond threshold		-	0
Switch port has no traffic	0		00
Switch port traffic beyond threshold			0
Switch port high packet loss rate			
Switch port duplex mode	\bigcirc	2	00
Switch port rate		-	00
Switch PoE is disrupted			00
IP camera may be offline		-	0
Reyee network detected a new device		2	
Network loop occurs	0	-	0

Click click here to apply the configuration to other devices.

Batch Applicati	on			×
Copy Configur	ation Port Status/Packet Loss Spe 	d		SN, Alias, Description
	SN	MAC	Alias	Description
	H1P601K00584A	300d.9e7f.0c86	EG2100-P	
	H1PH745119402	300d.9ee7.e915	EG105GW	
	H1PTATC001746	c0b8.e635.283c	EG105G-P	
	H1P601K009418	300d.9e7e.f4a7	ruijieEG	
	H1QH6RL04578C	ecb9.7017.393e	ReyeeEG	
	Fir	t Previous Page 1 C of 1 Last		10 🔺 5 in total
				Cancel

Port Status/Packet Loss Speed

Enable **Test**, enter an IP address or domain name to do ping test and set how often to send the alarms.

Port Status/Packet Loss Speed	Test: 💽
	Domain or IP Address www.baidu.com
	If the Ping test failed for 3 times, the alarm is sent.
	If the packet loss speed exceeds 50 % of threshold for 3 times in 5 mins, the alarm is sent.
	Save

Tunnel

Click **Tunnel** to create different types of tunnel such as Telnet, SSH, eWeb or you can create a custom tunnel through an intermediary device for access.

Create Tu	unnel		
Туре:	Telnet	~	Create Tunnel

You can see the tunnel you created in the **Tunnel List**...

s runnici is	unaranaure, piease re-	arcate it of contai					
Туре	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
eWeb	35.186.146.18	10213	10.10.1.2	80	2022-03-11 20:48	Disabled	Re-create
eWeb	35.186.146.18	10343	172.26.4.248	80	2022-03-11 17:26	Disabled	Re-create
eWeb	35.186.146.18	10164	Local	80	2022-03-11 17:02	Disabled	Re-create
eWeb	35.186.146.18	10328	Local	80	2022-03-09 14:41	Disabled	Re-create
eWeb	35.186.146.18	10242	172.26.4.248	80	2022-03-08 13:30	Disabled	Re-create
eWeb	35.186.146.18	10178	172.26.4.248	80	2022-03-07 23:38	Disabled	Re-create
eWeb	35.186.146.18	10265	172.26.4.248	80	2022-03-07 23:38	Disabled	Re-create
eWeb	35.186.146.18	10190	172.26.4.248	80	2022-03-07 23:38	Disabled	Re-create
eWeb	35.186.146.18	10274	172.26.4.248	80	2022-03-07 23:38	Disabled	Re-create
eWeb	35.186.146.18	10104	172.26.4.248	80	2022-03-07 23:38	Disabled	Re-create

5.5 Home Router

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

The **Home Router List** contains all displayed information of home routers on Cloud, which refreshes every minute and supports clients to enable/disable the auto-refresh function.

Add

Home Router List (Click "SN" to view details)	Auto Refresh: (
Add Web CLI Upgrade More - 0 Selected	SN, alias a	and description Q	
S Basic RF Model			
Online Status SN Sync Alias 💠 MAC Management IP Egress IP Clients Network Firmware Version	Last Offline	Model Description	~
Online Synced ReyeeOS 1.77.1321 (latest	- EW12	200G-PRO Add	5
First Previous Page 1 of 1 Next Last	(10 A 1 in total	<u>_</u>

Add: It indicates to add new home routers to the device list by clicking the Add.

Add		\$
Download and fill i	n the device information in the templa	te.Up to 500 records can be imported each time.
		- W
	Upload Template File	Download Template
Add a Device		Close

Web CLI

	Home Router Lis	t (Click "SN" to	view details) More 👻	1 Selected								Auto Refre	sh: 🕖 🌣 🛔 alias and descriptio	‡ - 53 m Q
•	Basic ORF (Model	Sync	Alias	Mac	Management IP	Faress IP	Clients	Network	Firmware Version	Last Offline	Model	Description	Action
		014	- Cyno A	Allus	- MAG	management i	Lgressi	onents	Hetmon	Deves 00 4 77 4004	Lust online		Description	Action
	oniine 🔮	U	Synced					1 4		Reveeus 1.77.1321 Latest	-	EW1200G-PRO	I his is a description	
					First	Previous Page	1 of 1	Nex	Last				10 🔺 1	in total (

Web CLI: Enter the web CLI of the selected device in the Home Router List, the web CLI is shown as the picture.

Veb CLI			
SN.			Background color:
General	>	Version	Please select the target operation on the left
Connectivity	>	Log	
Running Status	>	Current Mode	
Client	>	Current Time	

SN: Displays the serial number of this device.

General: Displays the common information of this device, including **Version**, **Log**, **Current Mode** and **Current Time**.

General > Version: Displays the version information of this device.

General > Log: Displays all log information uploaded from this device on Cloud.

General > Current Mode: It displays some work status information of this device.

General > Current Time: It displays the current time of this device.

SN: Background color: General > Interface IP Interface IP Running Status ARP Client > Route Route	/eb CLI			
General > Interface IP Please select the target operation on the left Connectivity > Interface Status Running Status > ARP Cilent > DNS Route Route	SN:	-		Background color:
Connectivity > Interface Status Running Status ARP Client > Route	General	>	Interface IP	Please select the target operation on the left
tunning Status > ARP illent > DNS Route	onnectivity	>	Interface Status	
lient > DNS Route	unning Status	>	ARP	
Route	lient	>	DNS	
			Route	
Ping Tool			Ping Tool	

Connectivity: Displays the connection information of this device, including Interface IP, Interface Status, ARP, DNS, Route and Ping Tool.

Connectivity > Interface IP and Interface Status: Displays the physical interface information of this device.

Connectivity > ARP: Displays the learned ARP entries on this device.

Connectivity > DNS: Displays the local DNS information on this device.

Connectivity > Route: Displays the learned Route entries on this device.

Connectivity > Ping Tool: It can be used to detect the network connectivity of this device.

Upgrade

Н	ome Router L	ist (Click "SN" to	view details)								Auto Refre	sh: 🕕 🕂 🚦	‡ - 55
	dd Web C	Upgrade	More 👻	0 Selected								SN,	alias and descriptio	n Q
0	Basic ORF	O Model												
	Online Status	SN	Sync	Alias	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Offline	Model	Description	Action
	🔗 Online	G1PH877000360	Synced	ReveeHomeRouter	c0b8.e621.49f	d 172.26.5.104	120.35.11.195	1	RyeeNetwork1_Auto	ReyeeOS 1.77.1321 Latest	-	EW1200G-PRO	This is a description	Ü 🖂
					First	revious Page	1 of 1		Next Last				10 - 1	in total 🛱
														6

Upgrade: Upgrade the selected device in the **Home Router List** to upgrade its firmware, here is the upgrade page.

Upgrade					×
Check in Maintenance > Log >Upgrade	_og				
				Star	Upgrade Cancel
Model: EW1200G-PRO Hardware	Version: 1.00 Current	Version: ReyeeOS 1.77.1321			×
Upgrade Version: ReyeeOS 1.77.132	21 Firmware Details ~				Select Firmware
Upgrade Device: 1					
Scheduled Upgrade					
Advanced Settings ~					
				Star	Cancel
Select Firmware					×
Cloud Firmware Private Firm	nware				
Selected Cloud Firmware: ReyeeOS	\$ 1.77.1321;EW_3.0(1)B1	1P77,Release(09132116)		Firmware Version, Release Not	Q Search
Firmware Version	File Size (MB)	Applicable Model		Released at	Release Note
ReyeeOS 1.77.1321	9.50 EV	/1200G-PRO::1.00,EW1200G-PRO::1.xx,E		2022-01-27 19:10:43	
	First Previo	Page 1 of 1 Net	Last	C	10 - 1 in total
					OK Cancel

Select Firmware: Click the **Select Firmware** to select the firmware to be upgraded, the firmware can be a version that exists on the cloud or manually uploaded by yourself (Private Firmware).

ograde	>
neck in Maintenance > Log >Upgrade Log	
	Start Upgrade Cancel
Model: EW1200G-PRO Hardware Version: 1.00 Current Version: ReyeeOS 1.77.1321	×
Upgrade Version: ReyeeOS 1.77.1321 Firmware Details	Select Firmware
Released at: 2022-01-27 19:10:43	
Release Note: -	
Upgrade Device: 1	
Scheduled Upgrade	
Ivanced Settings ~	
	Start Upgrade Cancel

After selecting the firmware, and clicking **OK**, the release information of firmware would be displayed in the **Firmware Details** of the upgrade page.

Upgrade	×
Check in Maintenance > Log >Upgrade Log	Start Upgrade Cancel
Model: EW1200G-PRO Hardware Version: 1.00 Current Version: ReyeeOS 1.77.1321	×
Upgrade Version: ReyeeOS 1.77.1321 Firmware Details >> Upgrade Device: 1	Select Firmware
Scheduled Upgrade	
Begin Date: 2022/03/03	
Advanced Settings A	
Max Retry Times: 5 🗸	
	Start Upgrade Cancel

Scheduled Upgrade: It indicates to customize the time to upgrade this firmware.

Upgrade	×
Check in Maintenance > Log > Upgrade Log	
	Start Upgrade Cancel
Model: EW1200G-PRO Hardware Version: 1.00 Current Version: ReyeeOS 1.77.1321	×
Upgrade Version: ReyeeOS 1.77.1321 Firmware Details ~ Upgrade Device: 1	Select Firmware
Scheduled Upgrade Advanced Settings	
Max Retry Times: 5 V	
2 3 4 5 6	Start Upgrade Cancel
7 8 9 10	

Max Retry Times: It indicates the times to upgrade to this firmware when the previous upgrade process failed. **More**

Home Router List (Click "SN" to view detail	Home Router List (Click "SN" to view details) Auto Refresh: 🕕 😔 📰 🛛 😒										
Add Web CU Upgrade More - 1 Selected SN, alias and description Q											
Basic RF Model Delete											
Online Status si Export	Alias 🕴	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Offline	Model	Description	Action
Online <u>G1PH87</u> Reboot	ReveeHomeRouter	c0b8.e621.49fd	172.26.5.104	120.35.11.195	1	RyeeNetwork1_Auto	ReyeeOS 1.77.1321 Latest	-	EW1200G-PRO	This is a description	Ū į
		First	vious Page	1 of 1		Next				10 🔺 1	in total

More: Displays other operations for a device in the Home Router List, including Move to, Delete, Export and Reboot.

More > Move to: Indicates to move the selected devices into another project of this account on Cloud. Here is the page when after clicking that button.

Ruíjie 🛆	MONITORING CONFIGURATION MAINTENANCE		0 0 0 0
A am ~	ALL V Search Network Q	Select Project	K (GMT+8.00)AsiaHong_Kong Manage Project Take over Network Unbind Device
A TOPOLOGY	Home Router List (Click "SN" to view details)	a @ Root	Auto Refresh: 🕖 😔 🗱 - 😒
逝 ALARM	Add Web CLI Upgrade More - 1 Selected	а 	SN, alias and description Q
REPORT	Sasic RF Model	* di di	
Voucher	SN Sync Alias	. Li	Vetwork Firmware Version Last Offline Model Description Action
吕 DEVICE	Coline Since	a ش ش	dwork1_Auto ReyeeOS 1.77.1321 (Lifer) - EW1200G-PRO This is a description
AP AC		ش ۵۰ - ۲2	
Switch		<u>له</u> ا * #	
Gateway Home Router		- m - da	
Bridge		Carel	
CAMERA Cameras			
NVR			
R CLIENT			
abcdefg@111.coxl	s in		金郡皇示X

More > Delete: Indicates to delete this device from Cloud.

Ruíjie 🛆		🔮 a e & e
8 Loom V	ALL V Search Network Q	(GMT+8:00)Asia/Hong_Kong Manage Project Take over Network Unbind Device
DASHBOARD		
តំ TOPOLOGY	Home Router List (Click "SN" to view details)	Auto Refresh: 🕕 😔 📰 👻 💱
造 ALARM	Add Web CLI Upgrade More - 1 Selected	SN, alias and description Q
REPORT	Move to	
Network	Delete	
Voucher	Online Status Si Export Alias © MAC Management IP Egress IP Clients Network	Firmware Version Last Offline Model Description Action
E DEVICE	C Ontine GIPH87 Reboot	ReyeeOS 1.77.1321 Latest - EW1200G-PRO This is a description
AP	First Previous Page 1 of 1 Next Las	10 - 1 in total
AC		
Gateway		
Home Router		
Bridge		
A CAMERA		
Cameras		
NVR		
A CLIENT		
1.coxl	ls A	全部显示 ×

More > Export: Indicates to export all contents in **Home Router List** to a .xls file. The below picture shows the exported results in this file.

A	В	C	D	E	F	G	н	Ĩ.	J	К
Status	SN	MAC	Alias	MGMT IP	Public IP	Last Seen on	Group	Model	Firmware Version	Description
Online	G1PH877000360	c0b8.e621.49fd	ReyeeHomeRouter	172.26.5.104	120.35.11.195		fg@111.com / RyeeNetwork*	EW1200G-PRO	eeOS 1.77.1321;EW_3.0(1)B11P77,Release(09132	This is a description

More > Reboot: Indicates to reboot the selected devices with online status on Cloud.

Home Router List Details

Hom	e Router Li	ist (Click "	SN" to v	iew details)											Auto Refre	əsh: 🕕 😌 🚦	∓ - 5 5
Add	Add Web CLI Upgrade More - 0 Selected SN, alias and description Q																
📀 Bas	c 🔿 RF	O Model															
0	nline Status	SN		Sync	Alias	÷	MAC	Manag	jement IP	Egress IP	Clients	Network	Firmware Version	Last Offline	Model	Description	Action
	Online 📀		2	Synced				3			; 1		ReyeeOS 1.77.1321 Latest	-	EW1200G-PRO	This is a description	Ū 🛛
							First	Previous	Page	1 of 1	Next	Last				10 🔺 1	in total

Basic: It indicates to display the basic information of this device including the online/offline status, SN, MAC, alias, management IP & public IP, offline time, network, model, firmware version and description.

Online Status: Displays the current status of the device on Cloud, including Online, Offline and Not online yet.

SN: Displays the serial number of the device.

Sync: Displays the configuration sync status of the device, including Synchronizing,

Synchronized and Synchronize Failed.

Alias: Displays the customized description for this device.

MAC: Displays the mac address of this device.

Management IP: Displays the management IP of this device.

Egress IP: Displays the egress IP of the network this device is on.

Clients: Displays the clients currently connected to this device.

Networks: Displays the network this device is on.

Firmware Version: Displays the current firmware version of this device.

Last Offline: Displays the last time when this device is offline from the cloud, if the device has never been offline, then it will display '-'.

Model: Displays the exact model of this device.

Description: Displays the description for this device.

Action: It indicates to delete this device from Cloud.

Home Router List	(Click "SN" to view	(details)						Auto F	tefresh: 🕕 🕂	1 × 50	
Add Web CLI	Add Web CLI Upgrade More O Selected SN, alias and description Q										
🔾 Basic 🔍 RF 🔇) Model										
Online Status	SN	Sync	Alias	RF 1 (Channel/Power)	RF 1 (Channel Usage)	RF 2 (Channel/Power)	RF 2 (Channel Usage)	RF 3 (Channel/Power)	RF 3 (Channel Usage)	Action	
Online 🖉		Synced		7/100	Good(22)	157/100	Good(19)	-/-	-	<u> </u>	
			First	Previous Page	1 of 1 Net	kt Last			10 - 1	in total	

RF: It indicates to display the basic information of this device including the online/offline

status, SN, MAC, Alias, Radio Frequency settings and Action.

- **RF 1 (Channel/Power):** Displays radio 1(2.4G) channel and its power.
- RF 1 (Channel Usage): Displays the current channel usage of radio 1.
- RF 2 (Channel/Power): Displays radio 2(5G) channel and its power.
- RF 2 (Channel Usage): Displays the current channel usage of radio 2.
- RF 3 (Channel/Power): Displays radio 3(5G) channel and its power.
- RF 3 (Channel Usage): Displays the current channel usage of radio 3.

Home	iome Router List (Click "SN" to view details) Auto Refresh: 🕕 😔 🗰 👻										
Add	Add Web CLI Upgrade More O Selected SN, alias and description Q										
⊖ Basic	🔿 RF 🛛 🕏 Model										
	Online Status	4	SN	Sync	Alias	Ą.	Firmware Version	Model	Action		
	Online			Synced		ReyeeOS 1.77.132	Latest	EW1200G-PRO	Ū	\sim	
				First Previous	Page 1 of 1	Next		10	▲ 1 in total	ф Л	

Model: It indicates to display the basic information of this device including the Online/Offline status, SN, Sync status, Alias, Firmware Version, Model and Action.

Home router device details

Ho	Home Router List: (Click "SN" to view details) Auto Refresh: 🕖 😔 🗰 🗸 🐰													
Ad	Add Web CLI Upgrade More - 1 Selected SN, alias and description Q													
🗢 Ba	asic 🔘 RF	O Model												
	Online Status	SN	Sync	Alias 👙	MAC	Management IP	Egress IP	Clients	Network	Firmware Version	Last Offline	Model	Description	Action
	📀 Online	<u>G1PH87</u>	Synced	ReyeeHomeRouter				1		ReyeeOS 1.77.1321 Latest	-	EW1200G-PRO	This is a description	Ū 🖂
					First	Previous Page	1 of 1	Next	Last				10 - 1	in total

Click the **SN** of a device with **online status** to check its detailed information, shown in the below picture.

Ruíjie 🛆	MONITORING CONFIGU	RATION MAINTENANCE						🗳 o 🤇	9 69 69
 (A) stocketg@111.com ∨ (D) DASHBOARD 	ALL V Search Network Q	Device Information				×	Kong Manage Project	Take over Network . Unb	ind Device
高 TOPOLOGY 西 ALARM R REPORT Network	Home Router List (Click *	Allas: ReyseHomeRouter / Management IP: 172.26.5.104 Hardware Version: 1.00 Firmware Version: RevseOS 1.77.1321	SN: G1PH877000360 Type: EW1200G-PRO Operation Mode: Route		MAC: c0b8.e621.49fd Sync: Synchronized Actual Master Device: C	G1PH877000360	A	uto Refresh: 💭 O SN, alias and descrip	tion Q
Voucher 图 DEVICE	Conline Status	Description: This is a description 🖍 SSID: qwert					Offline Model EW1200G-PRO	Description This is a description 10 -	Action
AC Switch Gateway Home Router Bridge		Status Coline Online Clients 0 Weak Signal Clients: 0	Memory Usage	CPU Usage	Alarm: 0	٥			
Camoras NVR /R CLIENT		Connectivity 14:00 18:00	22:00	2:00	6:00	Last 74 Hours Last 7 days 10:00			
		Uiagnose							

The **device information** page includes Router info, Status, Connectivity, Diagnose, IPTV, Dynamic DNS, Speed Summary, Radio List, User List and Log content.

Router info

Router Info		
Alias: ReyeeHomeRouter 🖍	SN:	MAC:
Management IP:	Type: EW1200G-PRO	Sync: Synchronized
Hardware Version: 1.00	Operation Mode: Route	Actual Master Device:
Firmware Version: ReyeeOS 1.77.1321		
Description: This is a description 🖍		
SSID: qwert		

Alias, SN, MAC, Management IP, Type, Sync, Firmware Version and Description indicates the same meaning of Home Router List Detail.

Hardware version: Indicates the current hardware version of this device, which is the same as the information in the back of this device.

Operation Mode: Indicates the current work mode of this device, including Router, Access Point, Wireless Repeater and WISP mode.

Actual Master Device: Indicates the master of Reyee Self-Organizing Network (SON), if only one router is in the network, then the device is the master.

SSID: Displays the SSID is broadcasted by this device now.

Status

Status			
 Online Online Clients: 0 Weak Signal Clients: 0 	Memory Usage	CPU Usage	Alarm: 0

Online: Displays all online clients and the number of clients with a weak signal.

Memory Usage: Displays the current memory usage of this device.

CPU Usage: Displays the current CPU usage of this device.

Alarm: Displays the number of alarms detected by Cloud for this device

Connectivity

Connectivity						Last 24 Hours Last 7 days
2-24	2-25	2-26	2-27	2-28	3-01	3-02

Last 24 Hours/Last 7 days: Displays the connectivity status between this device and Cloud, duration with gray means device offline from Cloud and duration with green means the device online on Cloud.
Diagnose

1	Diagnose
	Web CLI eWeb SSH Tunnel

It indicates methods to access this device, including Web CLI, eWeb, SSH and Tunnel.

Web CLI: Enter the web CLI of this device, the web CLI is shown as the picture.



eWeb: Indicates enter the web of this device.

SSH: Indicates to create SSH tunnel to enter device (Reyee devices currently don't support this).

Tunnel: Displays all tunnel information to access the device, it supports clients to create/re-create/disable tunnels in the list, shown in the below picture.

Create Tu	Innel						
pe: SSH SSH eWeb undet	Cre	ate Tunnel					
Tunnel Li:	st	a croata it ar cast	act up for support				
Туре	Host	Port	Destination Device	Destination Port	Expired at	Status	Action
SSH		10379	Local	<u>11</u> 7	2022-03-03 18:24	Connecting	Disable Go
		10398	Local	80	2022-03-03 17:53	Connecting	Disable Go
eWeb		10344	Local	80	2022-03-03 16:01	Disabled	Re-create
eWeb eWeb						Disabled	Re-create
eWeb eWeb eWeb		10350	Local	80	2022-03-02 22:39		
eWeb eWeb eWeb eWeb		10350 10302	Local	80 80	2022-03-02 22:39 2022-03-02 17:50	Disabled	Re-create
eWeb eWeb eWeb eWeb eWeb		10350 10302 10385	Local Local Local	80 80 80	2022-03-02 22:39 2022-03-02 17:50 2022-02-28 12:36	Disabled	Re-create Re-create
eWeb eWeb eWeb eWeb eWeb eWeb		10350 10302 10385 10333	Local Local Local Local	80 80 80 80	2022-03-02 22:39 2022-03-02 17:50 2022-02-28 12:36 2022-02-28 12:35	Disabled Disabled Abnormal	Re-create Re-create Re-create
eWeb eWeb eWeb eWeb eWeb eWeb eWeb		10350 10302 10385 10333 10107	Local Local Local Local Local	80 80 80 80 80 80	2022-03-02 22:39 2022-03-02 17:50 2022-02-28 12:36 2022-02-28 12:35 2022-02-26 18:39	Disabled Disabled <u>Abnomal</u> Disabled	Re-create Re-create Re-create Re-create
eWeb eWeb eWeb eWeb eWeb eWeb eWeb eWeb		10350 10302 10385 10333 10107 10209	Local Local Local Local Local Local	80 80 80 80 80 80 80	2022-03-02 22:39 2022-03-02 17:50 2022-02-28 12:36 2022-02-28 12:35 2022-02-26 18:39 2022-02-26 18:39	Disabled Disabled Abnormal Disabled Disabled	Re-create Re-create Re-create Re-create Re-create

Type: Displays the tunnel types, including SSH, eWeb and undefined. Undefined tunnel supports to take this device as the host to create a specific tunnel to access local another

device, shown as the below picture.

Cre	eate Tunnel								
Type:	undefined	~	Dest. Device:	Please select or enter the IP +	Dest. Port:	80	0	Create Tunnel	
L									

Local: Displays all tunnels created on this device.

Global: Displays all tunnels created on this project, shown in the below picture.

ce Host	Port 10166 10379 10398 10349	Destination Device 192.168.10.87 Local Local 192.168.10.87	Destination Port 80 80 20	Expired 2022-03-03 19:15 2022-03-03 18:24 2022-03-03 17:53	Status 🔮 Connecting Connecting	Action Disable Go Disable Go Disable Go
Ce Host D Image: Comparison of the second s	Port 10166 10379 10398 10349	Destination Device 192.168.10.87 Local Local 192.168.10.87	Destination Port 80 80	Expired 2022-03-03 19:15 2022-03-03 18:24 2022-03-03 17:53	Status Connecting Connecting Connecting	Action Disable Go Disable Go
b 2	10166 10379 10398 10349	192.168.10.87 Local Local 192.168.10.87	80 80	2022-03-03 19:15 2022-03-03 18:24 2022-03-03 17:53	Connecting Connecting Connecting	Disable Go Disable Go Disable Go
H ()	10379 10398 10349	Local Local 192.168.10.87		2022-03-03 18:24 2022-03-03 17:53	Connecting Connecting	<u>Disable</u> <u>Go</u> <u>Disable</u> <u>Go</u>
b 2 ,	10398 10349	Local	80	2022-03-03 17:53	Connecting	Disable Go
p 5)	10349	192,168,10,87	00			
			30	2022-03-03 16:13	Disabled	Re-create
	10344	Local	80	2022-03-03 16:01	Disabled	Re-create
b	10299	Local	80	2022-03-03 14:59	Disabled	Re-create
b (1997)	10226	Local	80	2022-03-03 13:22	Disabled	Re-create
b (10223	Local	80	2022-03-03 13:05	Disabled	Re-create
b :	10218	Local	80	2022-03-03 13:03	Disabled	Re-create
D D	10122	10.10.1.106	80	2022-03-03 01:46	Disabled	Re-create
	First	10226 10223 10218 10122 First Previous	10226 Local 10228 Local 10218 Local 10218 Local 10122 10.10.1.106 First Previous Page 1	10226 Local 80 10223 Local 80 10218 Local 80 10122 10.10.1.106 80	10226 Local 80 2022-03-03 13:22 10223 Local 80 2022-03-03 13:05 10218 Local 80 2022-03-03 13:03 10122 10.10.106 80 2022-03-03 01:46	10226 Local 80 2022-03-03 13:22 Disabled 10223 Local 80 2022-03-03 13:05 Disabled 10218 Local 80 2022-03-03 13:05 Disabled 10218 Local 80 2022-03-03 13:03 Disabled 10122 10.10.1.106 80 2022-03-03 13:03 Disabled

Host: Displays the IP address of a host.

Port: Displays the port number of this tunnel.

Destination Device: Displays the destination of the tunnel, local means this device itself. **Expired:** Displays the time when this tunnel expired.

Status: Displays the status of the tunnel, including Connecting, Disabled and Abnormal. **Action:** Supports to disable/re-create tunnel and access device by a tunnel.

IPTV	
IPTV/VLAN IPTV/IG	SMP
	WAN LAN Disconnected Disabled
	VIAN 3 2 1
	LAN3
	VLAN Type Internet ~
	Save

It indicates checking and configuring the IPTV feature on this device.

IPTV/VLAN: Displays the port panel and indicates to configure the VLAN of IPTV/IP Phone.

The WAN port supports multiple VLAN tags (Note: the device version should be ReyeeOS 1.55.xxxx or higher).

WAN LAN Disconnected Disabled				PPPoE	S Static IP	DHCP	Abnormal	Copper	SFP
	WAN	3	2	1					

The port panel imitates the actual device panel to display the port type and status.

IPTV/VLAN IPTV/I	GMP						
	WAN LAN Disconne	ected Disabled		PPPoE	Static IP DHCP F	🜮 🛞 PoE Abnormal	Copper SFP
			WAN 3	2			
	LAN2						
	VLAN Type	Internet	~				
	Save	Internet IPTV IP Phone					

IPTV/VLAN IPTV/IC	GMP
	Image: Construction of the state of the
	WAN 3 2 1
Dynamic DNS Ø	 Please select a LAN port (Not supported on the first LAN port).

Because IPTV/VLAN is not supported on the first LAN port, it needs to select LAN 2 or Lan 3 port in the port panel to configure the VLAN type (including the Internet, IPTV and IP Phone).

IPTV		
IPTV/VLAN IPTV/IGMP		
IGMP Enable)
	Succeeded to apply	

IPTV/IGMP: indicates to enable the IGMP on this device.

IPTV

Automatically update host each time when address changes. Ph register an account in DDNS providers: Noi (www.noip.com) and	your DNS its public IP pase first n either of the p Dyndns			
(account.dyn.com).				
Service Interface	wan0	~]•		
Username		*		
Password		~ *		
Domain				
Save	Reset			

It indicates to configure Dynamic DNS on this device by inputting Service Interface, Username, Password and Domain. Dynamic DNS supports automatically updating the local DNS host each time when its public IP address has changed. It currently only supports Noip and Dyndns these two DDNS providers.

Service interface: It only supports the wan port of a device.

Username and Password: Indicates the username and password of the registered account of Noip and Dyndns.

Save: Indicates to save all settings for Dynamic DNS.

Reset: Indicates to delete all settings for Dynamic DNS.

Speed Summary



It supports viewing the router speed statistics in the last 24 hours or the last 7 days, and the green and blue curve represents respectively the uplink and downlink speed data. When choosing the Last 24 Hours, the point in this diagram represents the average speed every 10 mins.

Speed Summary 🕖		Last 24 Hours	Last 7 days
Avg Speed (Mbps)	-O- Uplink -O- Downlink		
0.08 0.07 0.06 0.05 0.04 0.03 0.02 0.01	2022-03-03 10:10:00 Downlink : 0.040 Uplink : 0.000	M	

When choosing the Last 7 days, the point in this diagram represents the average speed every day, shown in the below picture.



Radio List

Radio List				€ #.*
RF Type	Channel	Power	Channel Width (MHz)	Channel Usage
5G	157	100%	80	16%
2.4G	7	100%	40	15%

It indicates to display the radios information of this device, including FR type, Channel, Power, Channel Width and Channel Usage for 2.4G and 5G.

User List

User List									€ *
IP	MAC	SSID	RSSI	AP Alias	Band	Traffic(MB)	Manufacturer	Online Time	Offline Time
-		testssid	-71	ReyeeHomeRouter	5G	0.000	=	2022-03-08 14:32:58	-
192.168.110.147		testssid	-50	ReyeeHomeRouter	5G	0.317	2	2022-03-08 14:28:23	÷
		First	revious	Page 1 of 1	Next	Last		1	10 🔺 🗋 2 in total

It indicates to display the information of the wireless clients who connect to this device, including IP address, MAC address, SSID, RSSI, device Alias, Band, Traffic Manufacturer, Online Time and Offline Time.

Log

Device Log	Config Log	
Туре	Updated at	All ✓ Q search ↔
Online/Offline	2022-02-25 11:36:17	Device goes online for the first time
Online/Offline	2022-02-25 11:19:09	Device online
Online/Offline	2022-02-23 22:49:07	Device offline. The final time when it sends packets to Cloud is: 2022-02-23 19:40:07(It is an estimated value. The deviation is 1 minute.)
Online/Offline	2022-02-14 11:22:23	Device goes online for the first time
Upgrade	2022-02-02 11:17:23	Device version from ReyeeOS 1.55.1915 to version ReyeeOS 1.77.1321
Reboot	2022-02-02 11:17:23	Device restart
		First Previous Page 1 of 1 Next Last 10 - 6 in total

Device Log:The Device Log records the historical device status change information, including online/offline, reboot, VLAN change, port information change and upgrade records, and supports queries based on the log type and period.

Type: It includes online/offline, reboot, VLAN change, port information change and upgrade records.

Updated at: Shows the time when this log appeared.

Content: Displays the detailed content of logs.

Config log

D	evice Log Config Log							
	Operation Type	Started at	Histor Ended at	y Log 👻 🗌	2022/03/02 14:28	22/03/08 14:28:51	Q Search Details	€ # •
+	Update EasyNetwork wireless config	2022-03-08 14:28	2022-03-08 14:28	Succeeded	Config: RyeeNetwork1_Auto_Auto Gener	erated;		
		First	Previous Page	1 of 1	Next Last		10 🔺	1 in total

The **Config Log** records the historical operations for this device, including Operation Type, the time when this operation starts and ends, Status, Description and Details. It supports clients to search recent logs and history logs by selecting the time range.

De	evice Log Config Log											
			0	History Log 🗸	202	2/03/02 14:28		2022/03/08 14:28:51	[::0]	Q Search	Ð	88 8+ •
	Operation Type	Started at	Ended	Recent Log History Log		De	scription			Details		
+	Update EasyNetwork wireless config	2022-03-08 14:28	2022-03-08	14:28 Succeede	ed Co	nfig: RyeeNetwork1	_Auto_Auto	Generated;				

5.6 Bridge

Add

Select **MONITORING > DEVICE > Bridge** to display the Wireless Bridge List.

Click the **Add** button to add devices to this project, you can select to add devices to this project by entering SN in the cloud or by uploading a batch template file.

Monitoring Guidance

Ruijie Cloud Cookbook

Ruíjie 🛆	MONITORING CONFIGURATION MAINTENANCE	•• 🕫 🕫 💁
 A abcdetg@111.com ∨ M DASHBOARD 	Add × ALL ×) EST × Search Network Q Download and fill in the device information in the template Up to 500 records can be imported each time.	(GMT+8:00)Assa/Shanghar Manage Project Take over Network Unbind Device
& TOPOLOGY	Wireless Bridge List (Click "SN" to view details)	Auto Refresh: 🔍 😔 📰 = 50
道 ALARM	X65 Web CLI Ubgrade More • 0	SN, alias and description Q
REPORT	Online Status Syn	Last Offline Model Description Action
Network		
Voucher		10 🔟 0 in total
器 DEVICE	Optices Template File	
AP		
AC	Add a Device Close	
Gateway		E C
Home Router		<u>6</u> ,0
Bridge		
Q CAMERA		
Cameras		
NVR		
AR CLIENT		

Entering SN in the cloud

Click the Add a Device button to add devices to this project:

Add		×
	Download and fill in the device information in the template.Up to 500 records can be imported each time.	
	Upload Template File Download Template	
Add a	Device	•

Fill in the SN and Alias of the devices:

Add			×
1 SN	Alias EST310	<u></u>	
2 SN	Alias	直	
3 SN	Alias	直 +	
Batch Import		ОК	Close

Wi	eless Bridge Lis	t (Click "SN" to view det	ails)							Auto	o Refresh:	O	11 × 53
Ac	Add Web CLI Upgrade More V 0 Selected SN, alias and description Q								tion Q				
	Online Status	A SN	Sync	Alias 👙	MAC	Management IP 👙	Egress IP	Network	Firmware Version	Last Offline	Model	Description	Action
	Online	100	Synced	EST310	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,Release(07220919) Latest		EST310	Add	Û
					First	Previous Page 1	of 1	Next	Last			10 🔺	1 in total

Add devices by uploading a batch template file.

Click the **Download Template** button to download batch template file for this project:

Ruíjie	MONITORING CONFIGURATION MAINTENANCE	•e e e •
A abcdefg@111.com ∨	Add ALL V) EST V Search Network Q Download and fill in the device information in the template Up to 500 records can be imported each time.	X AShanghai Manage Project Conflict Network Take over Network Urbind Device
ది TOPOLOGY	Wireless Bridge List (Citck "SN" to view details)	Auto Refresh: 🤍 😌 📰 - 💥
편 ALARM	Add Web CLI Upgrade More + 0	SN, alias and description Q
Network		
Voucher	Upload Template File	10 🔺 0 in total
AP		
AC	Add a Device	220
Gałeway		
Home Router		4.
CAMERA		
Cameras		
NVR		
2A CLIENT		

Fill in the SN and Alias of the devices and save it.

1	Α	B	С	D
1	SN	Alias		
21		EST1		
3 1		EST2		
4				

Click the **Upload Template File** button to upload batch template file for this project:

Add		×
	Download and fill in the device information in the template. Up to 500 records can be imported each time.	
	<u>↑</u>	
	Upload Template File Download Template	
Add	a Device	•

Select the edited template file and click the Import button:

Add	×
Download and fill in the device information in the template. Up to 500 records can be imported each time.	
EST_79941_template.xls	
Add a Device Close	

I W	fireless Bridge List (lick "SN" to view details	s)							Aut	o Refresh:	0	88 - 58
	Ndd Web CLI	Upgrade More -	0 Selected								SN, alia	as and descript	ion Q
	Online Status	SN	Sync	Alias	MAC	Management IP 🕴	Egress IP	Network	Firmware Version	Last Offline	Model	Description	Action
	📀 Online	i Padal	Synced	EST1	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,Release(07220919) Latest		EST310	Add	Ū
	S Never Online		Waiting	EST2				EST				Add	Ū
					First	Previous Page	1of 11	Next	Last			10 •	2 in total

Web CLI

Tick the device and click the Web CLI button to enter the Web CLI interface:



s		- 	
Seneral	>	Version	Please select the target operation on the le
Connectivity	>	Log	
Running Status	>	Current Mode	
		Current Time	

General > Version: Click to displays the version of Bridge.

General > Log: Click to displays the syslog of Bridge.

General > Current Mode: Click to displays the current mode of Bridge.

General > Current Time: Click to displays the current system time of Bridge.

SIN.			
Seneral	>	Interface IP	Please select the target operation on the
onnectivity	>	Interface Status	
tunning Status	>	ARP	
		DNS	
		Route	
		Ping Tool	

Connectivity > Interface IP: Click to displays the interface IP address of Bridge.

Connectivity > Interface Status: Click to displays the interface status of Bridge.

Connectivity > ARP: Click to displays the ARP table of Bridge.

Connectivity > DNS: Click to displays the DNS of Bridge.

Connectivity > Route: Click to displays the route of Bridge.

Connectivity > Ping Tool: Click to do the ping test.

Running Status > Memory: Click to displays the memory information of Bridge.

Move to

Select one device in the Wireless Bridge List, click More > Move to, select the new project and click OK.

Wireless	s Bridge List ((Click "SN" to view d	etails)								Auto	Refresh:	0 🕐	∰ v 55
Add	Web CLI	Upgrade More -	1 Selected									SN, alia	and descrip	otion Q
Or Or	nline Status	Move to	Sync	Alias 🗄	MAC	Management IP 👙	Egress IP	Network		Firmware Version	Last Offline	Model	Description	n Action
	Online	Delete	Synced	TETD	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,R	telease(07220919) Latest		EST310	Add	Ū
	Never Online	Export	Waiting	EST2				EST					Add	Ū
		Reboot			First	Previous Page 1	of 1	Next	ast				10 🔺	2 in total
Select P	Proiect				×	ן								
					Q									
⊟ ⊕ Ro	oot				1									
品	test123_1													
± ♣	Testhotel													
± &	testex				1									
Å	11111111111	11111												
%	11111111111													
க ்	AC_Group													
សំ	RyeeNetwo	ork1_Auto												
± 歳	hrhdfgf													
<u>ሔ</u>	aedfdfd													
ំ ស	test214													
÷ 🗈 '	Training													
- & '	VPNtest													
<u>ہ</u>	luo													
- sa	PPSKtest_/	Auto												
				Cancel	ок									
						J								

Delete

Click **DEVICE > Bridge > More > Delete** to delete the Bridge.

Win	eless Bridge List (C	lick "SN" to view deta	alts)							Auto	Refresh	• •	# • X
44	Web CLI L	Move to	1 Selected	Alas	MAC	Management P	Egrass IP	Katavork	Tirrevers Verbin	Let Office	SN, and Model	is and descript	Action
	Ocine	Deneter	brook	TETD	303d Sed5 £3a5	192,168,110,41	128.35.11.195	EST	AP_1.01182P28.Release(07220919) (Lines)		EST310	640	
2	O Never Online	Export	Sisters	8112				111				141	
		Reboot			Feet	Pressa Page 1	jiri ji	int i	et.			12.	2 in total

Export

Click **DEVICE > Bridge > More > Export** to export Wireless Bridge List

Wirel	ess Bridge Lis	t (Click "SN" to view de	etails)								Auto	Refresh:	O	BR = 25
Add	Web CLI	Upgrade More +	0 Selected									SN, alia	is and descrip	tion Q
	Online Status	Move to	Sync	Alias 👙	MAC	Management IP	Egress IP	Network	Firm	ware Version	Last Offline	Model	Description	Action
	📀 Online	Delete	Synced	TETD	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,Release(07	220919) Latest		EST310	Add	Ū
	🕲 Never Online	Export	Waiting	EST2				EST					Add	Ū
		Reboot			First	Previous Page	1of 1	Next	ast				10 🔺	2 in total
5	Status	SN	MAC	Alias	MGMT IP	Public IP La	ast Seen on	Group	Model	Firmwar	e Version	Descrip	otion	
Not (Online Yet	ì		EST2	102.100.110.41	120.	٤		1/EST	/// _0.0(1)/				

Reboot

Click **DEVICE > Bridge > More > Reboot** to restart the Bridge.

Wire	eless Bridge List (Cli	ck "SN" to view det	ails)							Aut	o Refresh:	0 🕐	25 - 11
Add	Web CLI Up	grade More +	1 Selected								SN, alia	is and descript	ion Q
	Online Status	Move to	Sync	Alias 🖕	MAC	Management IP 👙	Egress IP	Network	Firmware Version	Last Offline	Model	Description	Action
	Online	Delete	Synced	TETD	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,Release(07220919) Latest		EST310	Add	Û
	🕲 Never Online	Export	Waiting	EST2				EST				Add	Û
		Reboot]		First	Previous Page 1	of 1	Next	ast			10 🔺	2 in total

Device Information

Click the SN to view the Bridge's Information.

Wire	eless Bridge List (Clic	k "SN" to view details	5)							Auto	Refresh:	• •	## * \$3
Add	Web CLI Up	grade More 👻	0 Selected								SN, alia	as and descript	on Q
	Online Status	SN	Sync	Alias 🗄	MAC	Management IP 👙	Egress IP	Network	Firmware Version	Last Offline	Model	Description	Action
	📀 Online	ŝ l	Synced	TETD	300d.9ed6.d3a6	192.168.110.41	120.35.11.195	EST	AP_3.0(1)B2P28,Release(07220919) Latest		EST310	Add	Û
	Never Online	CAP91AR015575	Waiting	EST2				EST				Add	Ū
					First	Previous Page 1	of 1	Next	ast			10 .	2 in total

Device Information

Device Information		x
Device Information		
Alias: TETD 🖍	SN: CA	MAC: 300d
Management IP: 192.168.110.41	Type: EST310	Sync: Synchronized
Hardware Version: 1.00		
Firmware Version: AP_3.0(1		
Description: 🖍		

Alias: Click to edit the alias of Bridge.

SN: Displays serial number of Bridge.

MAC: Displays MAC address of Bridge.

Management IP: Displays the management IP address of Bridge.

Type: Displays the model of Bridge.

Sync: Displays whether the configuration is synchronized to the Bridge.

Hardware Version: Displays the hardware version of Bridge.

Firmware Version: Displays the firmware version of Bridge.

Description: Click to edit the description of Bridge.

Connectivity

Connectivity						Last 24 Hours Last 7 days
20:00	0:00	4:00	8:	00	12:00	16:00
Connectivity						Last 24 Hours Last 7 days
3-09	3-10	3-11	3-12	3-13	3-14	3-15

Last 24 Hours: Displays the connectivity between Bridge and Ruijie cloud in last 24 hours. **Last 7 Days:** Displays the connectivity between Bridge and Ruijie cloud in last 7 days.

Diagnose

Diagnose)		
Web CLI	eWeb	SSH	Tunnel

Web CLI: Click to open the Web CLI.

eWeb: Click to create the eWeb tunnel to Bridge device.

SSH: Click to create the SSH tunnel to Bridge device

Tunnel: Click to create the tunnels.

Neighbor Device List

Click the **Neighbor Discovery** button to discover other wireless bridges in the same LAN.

Neighbor Dev	vice List					
Neighbor Discover	y J					Ð
	Network	Account		Discovered at	Action	
			No Data			

Network: Display the network name of the neighbor devices.

Account: Displays the cloud account to which the neighbor devices belong.

Discovered at: Displays the discovered time for the discover to complete.

Device Log

				All	✓ Q Search	0 #•		
Type	4	Updated at		Content				
Reboot		2022-03-16 20:34 12	Device restart					
Reboot		2022-03-16 19:33:15	Device restart					
Online/Offline		2022-03-16 19:23:52	Device goes online for the first time					
Online/Offline		2022-03-16 19:22:35	Device goes online for the first time					
Online/Offline		2022-03-16 19:21:40	Device goes online for the first time					
Reboot		2022-03-16 18:31:07	Device restart					
Online/Offline		2022-03-16 18:11:54	Device goes online for the first time					
Online/Offline		2022-03-16 17:48:37	Device goes online for the first time	Device goes online for the first time				
Reboot		2022-03-16 16:27:38	Device restart					
Reboot		2022-03-15 15:25:30	Device restart					

Type: Displays the type of device log.Updated at: Displays the time a log was created.Content: Displays the details of device log.

Config Log

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

					/10 21:10:36 💮 - 2022/03/16 21:10:	36 🔟 🔾 Search 😳 🔡 🕶
	Operation Type	Started at	Ended at	Status	Description	Details
÷	Update CWMP period	2022-03-16 19:55	2022-03-16 19:55	Succeeded	CWMP period:180	
÷	Device name changes	2022-03-16 19:24	2022-03-16 19:24	Not supported or the device is configured	Report the SN of device with config change: C.	
÷	Device first online	2022-03-16 19:23	2022-03-16 19:23	Succeeded	Device: CAP91AS015076	
÷	Configure device name	2022-03-16 19:23	2022-03-16 19:23	Not needed		Device name is set to [TETD]
÷	Device first online	2022-03-16 19:22	2022-03-16 19:22	Succeeded	Device: CAP91AS015076	
÷	Device first online	2022-03-16 19:21	2022-03-16 19:22	Aborted	Device: CAP91AS015076	

6. Camera

6.1 Cameras Automatic Identification

- a) With 30 minutes stable flow data.
- b) Switch collect the MAC address info.
- c) Cameras connected with ESW or NBS.
- 6.2 Cameras with NVR Identification
- a) Ruijie Cloud HTTP client can access NVR to get related info by tunnel.
- b) Device supporting tunnel, and can ping Layer-3 of device/NVR.
- c) NVR info: IP address, account and password.
- 6.3 Topology

The topology provides a visual representation of the cameras and NVR status.



6.4 Cameras

The cameras list provides a visual representation of the cameras status.

ା ୟ Camera											
Camera Detected	Detec	t Camera IP	More -		(Up	date Tin	ne: 2021-09-0	02 09:45:11)	All Switches	♥ Channel No./na	me, IP, MAC Q
IP cameras detected by Cloud		Status	MAC	Channel No.	Channel Name	IP	Switch	Port	PoE Status	Uplink/Downlink Speed	Action
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		📀 Online		-	14	-	100	Gi11	Enabled	845.95Kbps/26.69Kbps	Delete
IP: Vender:		🥝 Online	Contraction of the second second	-	-		1.000	Gi12	Enabled	2.65Mbps/28.88Kbps	<u>iii Delete</u>
		Online		2	-	-		Gi13	Enabled	2.65Mbps/27.85Kbps	<u>iii Delete</u>
Add NVR		Online		2	-	2		Gi14	Enabled	1.46Mbps/26.22Kbps	<u>iii Delete</u>
(Detect camera by NVR)		Online	100000	-	-	-	1000	Gi15	Enabled	1.66Mbps/26.21Kbps	<u>iii Delete</u>
		Online	diam'ne an i	-	-	-	1000	Gi16	Enabled	2.19Mbps/26.58Kbps	<u>iii Delete</u>
		Online		-	-	-		Gi7	Enabled	2.65Mbps/27.68Kbps	<u>iii Delete</u>
		🥝 Online	Contraction of the	-	-	-	100	Gi8	Enabled	1.19Mbps/26.87Kbps	<u>iii Delete</u>
		🕑 Online			-	-	1000	GI9	Enabled	1.81Mbps/26.18Kbps	<u><u><u></u> <u> </u> <u> </u></u></u>
		📀 Online	Construction (Section 1)	-	-		-	Gi10	Enabled	1.29Mbps/26.68Kbps	<u>III Delete</u>

Cameras list

Status: Displays the status of the camera: online or offline.

MAC: Displays the Mac address of camera.

Channel No: Display the camera channel No on NVR.

Channel Name: Display the camera channel No on NVR.

IP: Display the IP address of camera

Switch: Display the switch to which the camera is connected.

Port: Display the switch port to which the camera is connected.

PoE Status: Display the switch port PoE status.

Uplink/Downlink Speed: Display the real-time uplink/downlink speed of the switch port.

Action: Click Delete to delete the camera on the list.

* Note:

The camera identified by traffic will not display IP address on the list; The camera identified by NVR can display the IP address and channel info.

6.5 NVR

a) The NVR list provides a visual representation of the NVR status.

NVR Lis	st									ତ
Add NVR	Check Connectivity	More 🕶								
	Status	Name	IP	Vendor	Username	Switch	Port	Camera Qty	Update Time	Action
	ted				a	-	2	-	57	🗹 Edit 🛛 🔟 Delete

NVR list

Status: Displays the status of the NVR: Disconnected or Connected.

IP: Displays the IP address of NVR.

NAME: Display the name of NVR.

Vendor: Display the Vendor of NVR.

Switch: Display the switch to which the NVR is connected.

Port: Display the switch port to which the NVR is connected.

Camera Qty: Display the switch to which the camera is connected.

Update time: Display the update time of latest status.

Action:

a) Click Edit and Delete to edit or delete the NVR on the list.

b) Click Check Connectivity to check the connection to NVR.

NVR Lis	t			Checking	
Add NVR	Check Connectivity	More -		It takes a few minutes to add an NVR.	
	Status	Name	IP	Run in Background	mera Qty
	The second se				-

c) Click Add NVR to add a new NVR by manual.

Add NVR		×
User Agreement Usage Guid	e	
 The user shall have the administr to use Ruijie Cloud to log in to unau this. When the user provides the requi authorizes Ruijie to log in to the targ transmit, and store information abou The system may have higher sec- ensuring the security and integrity or relevant content is only reference to the completeness and accuracy of the 4. Ruijie reserves the right to termin Ruijie is notified by the copyright ow 5. The service may be adjusted or s and Ruijie does not assume any ress 	ative and using rights to the target computer system. It thorized devices, and Ruijie does not assume any resp red credentials to log in to a target computer system, t let system through such credentials and authorize Ruij it the system's hardware features and network status. uitly nisk after connecting to the Ruijie Cloud. Ruijie is f the information transmission and use of the system, I equipment operation and maintenance. Ruijie does no he information. ate this service if the user infringes the copyright of a t mer or the copyright owner's legal agent. uspended due to technical developments and other ex- ponsibility for loss caused by the discontinuation of se	t is prohibited poonsibility for he user lie to obtain, is committed to out the ot guarantee hird party and cternal factors, rvice
IP		*
Vendor	Hikvision 🗸	×
Username		×
Password		*
Alias		
Uplink Switch	Managed switch (including smart CCTV switch 👻	*

IP: Enter the IP address of NVR.

Vendor: Select the vendor of NVR, including Hikvision, Dahua, Tiandy, Uniview, Huawei.

Username: Enter the username of NVR.

Password: Enter the password of NVR.

Alias: Enter the alias of NVR.

Uplink Switch: Select the model of uplink switch.

7. Client

Network clients are displayed.

Note:

The client list only display the wireless clients.

Online Clients

Client List @										
									Online Clients 🗸	Advanced Search \vee
IP	MAC	Alias	AP SN	SSID	AP Alias	Band	Traffic (MB)	Manufacturer	Online Time	Offline Time
172	<u>en 1990 (1991</u>	-	G	5		2.4G	2.484	-	2022-03-04 02:48:05	-
172	-	-	e	and the second second		2.4G	348.057	Xiaomi Communications Co Ltd	2022-03-04 05:04:59	-
172	2	-	G	and the second se	-	5G	202.366	Samsung	2022-03-04 04:57:18	-
17.			G			2.4G	0.072	Samsung	2022-03-04 07:10:47	- 6
17: 1		-	G			2.4G	44.307	Xiaomi Communications Co Ltd	2022-03-04 02:51:27	-
172 1	<u>9-</u>	-	G	and the second second		2.4G	1.343	Samsung	2022-03-04 04:52:10	- 4
172. 2	5	-	G			5G	0.306	÷	2022-03-04 07:01:09	
172	2		C			2.4G	92.295		2022-03-04 05:00:55	
17	/ 1	-	G	-		2.4G	1181.442	Samsung	2022-03-03 20:48:57	4
1 1	1 ک		Gi	100	,	5G	7.519	Xiaomi	2022-03-04 07:16:06	

IP: Displays the local IP address of the client.

MAC: Displays the MAC address of the client.

Alias: Displays the alias of client.

AP SN: Displays the serial number of AP.

SSID: Displays the SSID that client connect with.

AP Alias: Displays the AP alias that client connect with.

Band: Enter the alias of NVR.

Traffic: Displays the total amount of traffic of the client.

Manufacturer: Displays the manufacturer of the client.

Online Time: Displays the client online time.

Offline Time: Displays the client offline time.

History Clients

Monitoring Guidance

Client List @										
								History Clients	✔ 2022-03-14	Advanced Search ^
				MAC	AC	AP	SN AP SN	SSID	SSID	Search Reset
IP	MAC	Alias	AP SN	SSID	AP Alias	Band	Traffic (MB)	Manufacturer	Online Time	Offline Time
10.1	40	-	G1			2.4G	0.002	2	2022-03-14 16:4	2022-03-14 16 33
-	<u>a</u>	-	G*			2.4G	0.000	nc	2022-03-14 16:4 2	2022-03-14 16:009
10.	-	-	G	E.	ini.	5G	4.121	2	2022-03-14 16 32	2022-03-14 16 25

Support search the client base on MAC, AP SN and SSID.

Configuration Guidance

1. Project Management

1.1 Add Project Group

Click **Add Project Group** to add a new project group. The project group includes many networks, usually use it to represent the network of a province, a city or a company.

 Root - 品 PPSKtest - 品 32 * 	Root	t group includes many ne	etworks. You can use it to r	represent the network of a prov	vince, a city or a com
一歲 PPSK * 一歲 EST	Add Project Grou	up Add Project			
- 歳 test123 *					
Cloud_Auth_Test *					
0	our to Lloo2				
Project Management <u>H</u>	ow to use?		N		*
Project Management <u>H</u>	ow to Use r		Name	test	*
Project Management H	Q	Project Info	Name Project Group	test Root	*
Project Management H ⊕ Root	Q	Project Info	Name Project Group	Root	*
Project Management <u>H</u>	Q	Project Info	Name Project Group	Root	*
Project Management <u>H</u>	Q	Project Info	Name Project Group	Root	*
Project Management H ■ ● Root - 歳 PPSKtest - 歳 32 * - ♣ PPSK *	Q	Project Info	Name Project Group	Root	* Save Close

It is supported to add a project group or a project under the project group.

Project Management How to Use?	
່ ໝີ GTAC_Reyee * ໝີ Cloud_Auth_Test_Auto ໝີ AP710 ເ∋ 且 1	Project Info 1 🔟 🖉 Project group includes many networks. You can use it to represent the network of a province, a city or a company.
- 歳 1 - 歳 zw7281127 -] wei zhang - 歳 test100	Add Project Group Add Project

* Note:

Adding devices to a project group is not supported. The project group is used to manage multiple projects.

1.2 Add Project

Click Add Project to add a new project.

Project Management How to Use?	
Q ⊕ Root ⊕ PPSKtest ⊕ 32 * ⊕ PPSK *	Project Info Root Project group includes many networks. You can use it to represent the network of a province, a city or a company. Add Project Group Add Project

Step1 Add project

Basic					Basic Information	
√ame	Please enter the proj	ect name.			Name	
lanagement Password	Please enter the man	agement password		1	Parent Project	Root
cenario	10.005				Time Zone	(GMT+8:00)Asia/Hong_Ko
	Office	Hatel	Vila/Home		l ocation	Cloud + AP
		Statement and			SSID	Not Bound
	Factory	Restaura	ant School			
me Zone	(GMT+8:00)Asia/Hor	Ig_Kong	Costonize	•		
pe	•	Cloud + AP	AC+FitAP			
ind Location	Enter a location name	0		1		
Basic						
Basic	F	Please enter the	project name.			
Basic Name Management	Password @	Please enter the Please enter the	project name. management pass	word		
Basic Name Management Scena Note: mana passy device	For project security gement password for ses in the network.	Please enter the Please configu rst. The manage the eWeb syste	project name. management pass are the sment erms of all	Word		VilaHome
Basic Name Management Scena Mote: mana passs device The r 1. ha 2. co	Password For project security gement password fi word will be used for ges in the network. hanagement password hanagement password to hanacte ntain 3 of the these lowercase letters	² lease enter the ² lease enter the ² lease configure please configure the eWeb syste the eWeb syste system and must s character types bed	project name. management pass are the sement arms of all	word Hotel		Villa/Home
Basic Name Management Scena Note: managed device The n 1. ha 2. co • • • • •	Password O F For project security gement password fue so in the network. hanagement passwork we 8 to 31 characters lowercase letters : uppercase letters : uppercase letters : numbers: 0123 special characters contain the word *	Please enter the please enter the please configu- st. The manage the eWeb syste and must s character types bbcd ABCD <=>[II@#\$*() admin"	project name. management pass re the ement emiss of all	Word Hotel Restauran		VIIIa/Home School Customize
Basic Name Management Scena Note: manapassy device The n 1. ha 2. co • • • • • • • • • • • • • • •	Password For project security gement password in gement password in word will be used for ses in the network. nanagement passwork nanagement passwork ver 8 to 31 characte nation 3 of the these lowercase letters: uppercase letters: numbers: 0123 special characters: t contain the word " t contain spaces and	"lease enter the "lease enter the please configu st. The manage the eWeb syste with e	project name. management pass re the sment of all and a second se	Word Hotel Restauran		Villa/Home Villa/Home School Customize

* Note:

The management password must meet the above 4 requirements.

Name: Enter the name for the project. Please enter up to 32 characters, consisting of letters, numbers or underscore(_).

Scenario: Select the scenario that suits the customer's real scenario.

Time Zone: Select the scenario where the current customer is located.

Type: Select the type of the project. If there is an AC in the project, need to select the type of "AC + Fit AP".

Bind Location: Enter the location of the project.

Step2 WiFi Settings

WIEI Settings		Basic Information	
WIFI Jeuligs		Name	aedfdfd
SSID Ø	test-1 III	Parent Project	Root
Description		Time Zone	(GMT+8:00)Asia/Hong_Kon
Password	Upen whomewalesk	Туре	Cloud + AP
Collapse<<		Location	Not Bound
Hide SSID	Enable	SSID	test-1
Radio	Radio1 Radio2		
	Clients Share Address Pool with AP Clients and the AP reside in the same VLAN and share one address pool (The AP		
	also obtains its IP address through DHCP)		
	O Bridge Mode		
	Clients and the AP reside in different VLANs.		
5G-Prior Access 0	Enable		
Speed limit per Client @	Enable		

SSID: Enter the WLAN name of the project.

Password: Select the SSID encryption method and password.

Hide SSID: Select the hide or broadcast the SSID.

Radio: Select the radio that needs to be turned on.

IP Assignment: Select where the clients obtain the IP address from.

5G-prior Access: Detects clients capable of 5Ghz operation and steers them to that frequency, while leaving 2.4Ghz available for legacy clients.

Speed limit per Client: Channel width control for each user who connects to this WiFi.

Speed limit by SSID: Channel width control for the total traffic throughput on this SSID. **Step 3 Add Device**

Enter the SN and the Alias of device.

Add Device	◆Add Project ◆A	dd Device+ Finish				×
AP	Switch Gateway Home	Router Wireless Bridge		Added Equipment		
			-	AP	0	
1 SN		Alias	Ш	Gateway	0	
2 SN		Alias	Ш.	Switch	0	
3 SN		Alias	m •	Home Router	0	
4 SN		Alias	画 +	Wireless Bridge	0	
				<u>View Details</u>		
Batch Impo	ort		Cancel Save & Next			

Batch Import

Download the template, enter the device SN and alias to the template.

Upload the template file, add the device to Ruijie Cloud.

* Note:

For the template, up to 500 records can be imported each time.

Add Device	◆Add Projec	Add Device	+ Finish					×
AP	Switch Gate	way Home Router	Wireless Bridge			Added Equipment		
Davus	land and fill in the de	uine information in the	amplete Lie te 500 seconde ee	a be imported each t	in a	AP	0	
Down	load and fill in the de	evice information in the	emplate. Up to 500 records ca	n be imported each t	ime.	Gateway	0	
		ſ	I			Switch	0	
		<u></u>				Home Router	0	
						Wireless Bridge	0	
		Upload Template File	Download Template			<u>View Details</u>		
Add Manual	ly			Cancel	ave & Next			



1.3 Add Sub Project

Click Add Sub Project to add a new sub project.

d qwer1 *	Name	Parent Project	Туре	Devices
B 🗈 gwer				
LG2100_test	Project List			
🚊 testshool				
🛱 testShop				
statestHotel	Add Sub Project			
testOffice				
A Router RAP	Project repres	ents one real network deployment.	it is the same with pr	oject on Ruijie Gloud A
_ 歲 1231 *	aedidid «	6 67 W 🖉		
🗟 🛅 2				
😑 🛅 123	Project Info			
300				
Project Management How to Use?				

Step1 Add Sub Project

Add Sub Project	Add Sub Project * Add Device * Finish	
Basic		
Note: At most 30 sub proje	cts can be added to a project. For more information, please click here,	
Name	Please enter the sub project name.	
Parent Project	hrhdigf	
Wireless Configuration	Inherit from Parent Project	

Name: Enter the name for the sub project. Please enter up to 32 characters, consisting of letters, numbers or underscore(_).

Parent Project: Select the project to which the sub project belongs.

Wireless Configuration: Inherit from parent project.

Bind Location: Enter the location of the sub project.

Step2 Add Device

AP Switch C	Sateway Home Router Wireless B	idge	Added Equipment	
			AP	0
1 SN	Alias		Gateway	0
2 SN	Alias	Ū.	Switch	0
3 SN	Alias	6	Home Router	0
4 SN	Alias	10 +	Wireless Bridge	0
			View Locans	

10211	●Add Sub PToject.	*Add Device	• Haish	
			Succeeded!	
		AP: 0, S	witch: 0 , Gateway: 0 , Wireless Router: 0 , Wireless Bridg	pe: 0
AD C	with They theread Oxford	unu Coloure Hamo I	Sector - Western Bridge	
AP S	witch Unauthorized Galev	vay Gateway Home F	Router Wireless Bridge	
AP S	witch Unauthorized Gatew	vay Gateway Home F SN	Router Wireless Bridge Alas	Action
AP S	Witch Unauthorized Gatew	vay Gateway Home F SN	Souter Wireless Bridge Alles No Data	Action
AP S	witch Unauthorized Gatew	vay Gateway Home F SN First Previou	Router Wireless Bindge Alse No Data	Action 10

1.4 Project List

1.5 Displays the Project details, it is convenient for customers to check the project status.

Project List									
Name	Parent Project	Туре	Devices	Alarms		Act	ion		Advanced
PPSKtest	ROOT	움 Project	0 / 1	<u>0</u>	Š	5		<u></u>	û Dashboard 최 Topology
32	ROOT	Project	0/0	<u>0</u>	Ş	10	1	₫	û Dashboard 최 Topology
PPSK	ROOT	움 Project	1/2	<u>0</u>	Ş	<u>-</u>		<u>_</u>	①Dashboard 최Topology
EST	ROOT	움 Project	1/1	<u>0</u>	Ś	f ^B		<u>@</u>	①Dashboard 최Topology
test123	ROOT	움 Project	5/9	<u>0</u>	Ş	6		₫	①Dashboard 최Topology
Cloud_Auth_Test	ROOT	Project	<mark>0 / 3</mark>	<u>0</u>	Ş	101		₫	û Dashboard 초 Topology
RyeeNetwork1	ROOT	A Project	0/1	<u>0</u>	Ş	5		<u>_</u>	ûDashboard ஃTopology 중Wireless
EG2100	ROOT	A Project	5/9	<u>0</u>	Š	67		<u>_</u>	@Dashboard ஃTopology 중Wireless
GTAC_Reyee	ROOT	Project	1/1	<u>0</u>	Ş	67	1	<u>0</u>	ûDashboard ஃTopology 중Wireless
Cloud_Auth_Test_Auto	ROOT	A Project	0/0	<u>0</u>	Ş	<u> </u>			@Dashboard ஃTopology 중Wireless
AP710	ROOT	各 Project	0 / 1	0	Ś	69	1	0	@Dashboard ஃTopology 중Wireless
1	ROOT	Project Group	0/0	0			0		
Location1	ROOT	Project Group	0/0	0			0		
11111	ROOT	운 Project	0/0	0	Ś	10		0	Dashboard & Topology ?Wireless

Name: Displays the name of project.

Parent Project: Displays the project to which the sub project belongs.

Type: Displays the type: project or project group.

Devices: Displays the devices on the project, **Green No** mean the online device, **Black No** mean the total device on the project.

Alarms: Inherit from parent project.

Action: Click a button to perform the action: project sharing, hand over, delete and edit.

Advanced: Click a button to get the additional details: Dashboard, Topology, Wireless.

1.6 Project Sharing

Ruijie cloud support share a project to other account. A project 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.

Click **share with** to create the project sharing link.

Project Management How to Use?							<project sharing<="" th=""></project>
B 🖨 Root	Project milo						
A PPSKtest	🕀 Root						
- 🚓 32 *	Project group inc	ludes many networks. You d	can use it to represe	nt the network of	a provir	nce, a city or a company.	
L PPSK *		1					
EST	Add Project Group Add	d Project					
- 💑 test123 *							
- 🖧 Cloud_Auth_Test *							
- 歳 RyeeNetwork1 *	Project List						
- 🖧 EG2100 *	Namo	Parent Project	Turne	Devices A	larme	Action	Advanced
- 品 GTAC_Reyee *		Parent Project	iype	Devices A	anns	Action	
Cloud_Auth_Test_Auto	PPSKtest	ROOT	6 Project	0/1	Q	S #7 11 2	<u>11 Dashboard</u> <u>asTopology</u> <u>ar Wireless</u>
- 🚓 AP710	32	ROOT	A Project	0/0	0	s # 🔟 🖉	û Dashboard 최 Topology ⓒ Wireless
B 🛅 1	PPSK	ROOT	St Project	1/2	0	s 🗊 🔟 🖉	Dashboard & Topology Wireless
550 1	EST	ROOT	Project	1/1	0	s 🗊 🔟 🖉	ûDashboard 최Topology ⓒWireless
- 555 zw7281127	test123	ROOT	R Project	5/9	Q	s i 🛍 🖉	Dashboard & Topology Topology
Et wei zhang							
Share with			×				
Permission ORe:	ad & Write						
Ch	eck and manage the network						
Re:	ad-only						
On	ly check the network						
0.1	ing encertaic network						
Validity Period after Acception 1 M	Aonth 🗸						
Valid	to 2022-03-24 23:59:59						
Valid (10 2022 00 21 20.00.00						
		ОК	Cancel				

Permission: Select the permission for the sharing link.

Read & Write: Check and manage the network.

Read-only: Only check the network.

Validity Period after Acception: Select the valid time.



Copy and share the link to another account. Click **Receive** to receive the project.

There is a network to be rec	eived. Are you sure you want	to receive the network?
Netwo	k PPSKtest	
Sharer	ab***fg@111.com	
Tenant	abcdefg@111.com	Edit
It is recomm	ended to enter the name easy to	o remember and distinguish.

The receiver can visit the URL and log in to receive the project.

Succeeded to receive	e the network "F
You can switch the te	nant to check the networ
2.5	
	D Nace
	<u>^</u>
C ren-testas-out	
Q	Search
A TesterB	2 ~
@ 1653454930@gg	com Ø
0	
X ren-testas-001@y	(op
MaCc162156797	1139
Secen_eg32_msv	w_05
A testas-003	2 ~
옷 CustomerA	<u>e</u> ~
오 Willli@ruijienetwo	rks 🖉 🔨
9 allon lu@doonada	anti d o

After receive the network, will automatically switch to the received network.

	MONITORING	CONFIGURATION	MAINTENANCE
A abcdefg@111.com ^	PPSKtest V	Search Network Q	
Q Searc	h		
A mo ₫ ^	Overview		
8 58@qq.com ∠		0	
A abcdefg@111.com 🖉 ↗		0 in Total	Switch

Support rename the project name, it is convenient for receivers to find the project.

PSKtest ∨ Sea
Overview
AP

Click Project Sharing to check the project sharing list.

	≪Project Sharing
Project Info	Î
Project group includes many networks. You can use it to represent the network of a province, a city or a company.	
Add Project Group Add Project	

Project Sharing List can show who the project is shared with and can cancel the sharing at the same time.

Project Sharing					×
Project Sharing	List				Q
				Network, Account	Q
Network	Account	Permission	Accepted at	Expired at	Action
TEST123	testdemo	Read and Write	2021-11-19 14:26:04	Permanent	<u>@</u> 6?
PPSKtest	80 8@qq.com	Read-only	2022-02-24 11:58:17	2022-03-24 23:59:59	<u>d</u> 6?
PPSKtest	165. 930@qq.com	Read-only	2021-03-05 12:32:28	Permanent	\$ 67

Network: Displays the name of project.

Account: Displays who the project is shared with.

Permission: Displays the permission for the sharing project.

Accepted at: Displays the time to receive the project.

Expired at: Displays the project expiration time.

Action: Click a button to perform the action: Edit or cancel sharing.

What can I do i I fail to receive the shared network?

1) There are 2 ways to share network to other accounts: Ruijie Cloud Web and APP. Web link only can be received by web and APP link only can be received by APP.

2) Ruijie Cloud includes cloud-as and cloud-eu, the account on cloud-as cannot receive the sharing code from cloud-eu.

1.7 Hand over network

Click Hand over to hand over the project to others.

Root Resident aroung income	ludes many notworks. You	can use it to reprose	at the network	of a provin	100 0.0	ity of		22224	
Add Project Group Add	l Project					1			
Project List									
Name	Parent Project	Туре	Devices	Alarms		Act	ion		Advanced
PPSKtest	ROOT	A Project	0 / 1	0	Š	62		<u>_</u>	ûDashboard ஃTopology 중Wireless
	11001								
32	ROOT	용 Project	0/0	<u>0</u>	~°	10		Ø	û Dashboard 초 Topology
32 PPSK	ROOT	器 Project 중 Project	0/0	<u>0</u> 0	8 8			<u>@</u>	û Dashboard 최 Topology · 주 Wireless û Dashboard 최 Topology · 주 Wireless

Enter the tenant name, if the tenant is not exist, can not hand over.

Hand over to	Current Tenant @	Other Tenant	1	
	Please enter and se	elect a tenant administr	ator.	
т	Tenant	ruijiede a	Search	
			Jama@16' M	

Access to the Tenant that want to take over the project.

Click **Take over Network** to hand over the project to others.



Click **Take over** to receive the project.

Click Refuse to refuse to accept the project.

Network	Owner	Action
Cloud_Auth_Test_Auto	test test	Take over Refuse
Branch		Completed
Test	D	Completed
First Previous	Page 1 of 1 Next	Last 10 - 3 in total

* Note:

- 1) After the network is handed over to another tenant, you can not manage it any more.
- 2) The project to be handed over should have less than 100 sub projects.

2. Wireless

2.1 Basic

how to create SSID for AP device will be introduced in this section.

SSID Setting

Step1 Choose CONFIGURATION > WIRELESS > Basic in designated device network.

		CONFIGURATION	MAINTENANCE					<u></u>	000
PROJECT	Beautic Sea	1 Irch Network Q				(GMT+8:00)Asia/Hong	Kong Manage Project	Take over Network	Unbind Devic
 WIRELESS Basic 2 	Wireless Con	figuration						Save	More -
Layout Radio Wi-Fi Optimization Detro	SSID O	ssiD	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	A	ction
Roaming	1	1000	Open	No	Bridge	1,2	Auth Disabled		直
Bluetooth	2	10001	PPSK	No	Bridge	1,2	Auth Disabled	Z	<u>,00</u> ,



PROJECT								
							Save	More -
Basic								
Layout	Wireless Config	guration						^
Radio	SSID O							
Wi-Fi Optimization	WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
Roaming	1	1000	Open	No	Bridge	1,2	Auth Disabled	直
Bluetooth	2	10001	PPSK	No	Bridge	1,2	Auth Disabled	e i

Step3 In SSID setting page, user can create an SSID and fill in related parameters based on customer requirements

SID				
			More-	
WLAN ID	10 ~	Hidden	No	
SSID	Test_Ruijie	Forward Mode @	Bridge	ĺ.
Encryption Mode	Open ~	VLAN ID	1	ĺ.
		Radio	Radio1(2.4GHz) Radio2(5GHz)	
			Radio3 @ (2.4GHz or 5GHz)	
Wi-Fi6 @				
5G-Prior Access @				
Tip: There are Reyee device	es in the network. The "Speed Limit per Client", "Speed	I Limit by SSID", "Auth" functions ca	in only be enabled on Ruijie Enterprise devices.	
Speed Limit per Client				
Speed Limit by SSID	0			
Auth				
	ОК	Cancel		

WLAN ID: Sequence number to represent SSID ID (Up to 32 SSID is supported, there may

be differences between diverse models)

Hidden: Choose disable broadcasting SSID or not

SSID: WiFi Name

Forward Mode: NAT mode or bridge mode

NAT mode: AP will work as a router and DHCP pool to provide IP address for terminal stations.

NAT: All device can be configured with same address pool. Otherwise, the current or default one will be used, 192.168.23.0/24.

Cloud NAT: In NAT roaming scenario, this mode should be applied. Users cam config a range for the cloud NAT address pool. Cloud will distribute different address pools to different devices according to the range.

Bridge mode: AP will work as a switch and passthrough all traffic. It requires the user to fill in specific VLAN ID for STA.

(If not familiar with existed network design, NAT mode is recommended)

Example:

When configured in bridge mode, the client connecting to the SSID will seek the DHCP server with vlan 10 in the network to obtain the address.

			More	
WLAN ID	10 ~	Hidden	No]
SSID	Test_Ruijie	Forward Mode 0	Bridge]
Encryption Mode	Open ~	VLAN ID	10	
		Radio	🔽 Radio1(2.4GHz) 🔽 Radio2(5GHz)	
			Radio3 @ (2.4GHz or 5GHz)	

When configured as NAT mode, need to click "NAT Address Pool Configuration" to enter the address pool configuration interface

			2	More
WLAN ID	10 ~	Hidden	No	~
SSID	Test_Ruijie	Forward Mode Ø	NAT	~
			"NAT Address Pool Configuration"	

If you do not want to use the default address pool, can customize the address pool

NAT Address Pool Configuration	
Note: 1. Only after the SSID has been configured with NAT forwarding mode, the NAT address pool configuration will be delivered to the AP. 2. If the address pool has changed, the original client must re-associate the SSID to get the new address of the address pool. Common Address Pool Configuration (Recommended) Use the current address pool or the default address pool (192.168.23.0/24) Click here to configure the address pool.	
 NAT Roaming Address Pool Configuration (Cloud will allocate different address pools for different APs. The AP must support L3 roaming. Please select this option when all Al the network are dual-radio APs.) By default, it is auto allocated by server. (Range: 10.233.0.0/24-10.254.254.0/24). Click here to customize the address pool. 	Ps in

JAT Address Pool Configuration							
Note: 1. Only after the SSID has been conf	figured with NAT forwarding mo	ide, the NAT address pool configuration will be delivered to the AP.					
2. If the address pool has changed,	the original client must re-asso	ciate the SSID to get the new address of the address pool.					
Common Address Pool Config	guration (Recommended)						
Use the current address pool	or the default address poo	I (192.168.23.0/24). Apply default configuration					
Network:	192.168.1.0						
Submask:	255.255.255.0						
Primary DNS:	8.8.8.8						
	114 114 114 114						

When there are multiple APs in the network and Layer 3 roaming is enabled, select NAT Roaming Address Pool Mode.

NAT Address Pool Configuration	,
Note: 1. Only after the SSID has been confi 2. If the address pool has changed, t	gured with NAT forwarding mode, the NAT address pool configuration will be delivered to the AP. he original client must re-associate the SSID to get the new address of the address pool.
Common Address Pool Configu Use the current address pool of	uration (Recommended) or the default address pool (192.168.23.0/24). Click here to configure the address pool. \vee
♥ NAT Roaming Address Pool Co	onfiguration (Cloud will allocate different address pools for different APs. The AP must support L3 roaming. Please select this option when all APs in
the network are dual-radio APs.)	
By default, it is auto allocated	by server. (Range: 10.233.0.0/24-10.254.254.0/24). Apply default configuration A
Note: The address pool will tak	ke effect on the whole the metwork. device group
Start Adress: 1	0.1.1.0
End Adress: 1	0. 1 . 10 . 0
Primary DNS:	8.8.8
Standby DNS	114.114.114

Encryption Mode:

OPEN: Open SSID and password is not required.

WPA-PSK: Use WPA algorithm to encrypt SSID and password is required.

WPA2-PSK: Use WPA2 algorithm to encrypt SSID and password is required.

Configuration Guidance

SSID					
					More
WLAN ID	10	~	Hidden	No	~
SSID	Test_Ruijie		Forward Mode @	Bridge	~
Encryption Mode	WPA/WPA2-PSK	~	VLAN ID	10	
Password	ruijie123		Radio	🔽 Radio1(2.4GHz) 🔽 Radio2(5GHz)	
L L				Radio3 @ (2.4GHz or 5GHz)	

WPA2-Enterprise(802.1x): Dot1x authentication and external radius server is required.

SSID						×
					More	
WLAN ID	10	v	Hidden	No	~	
SSID	Test_Ruijie		Forward Mode @	Bridge	~	
Encryption Mode	WPA2-Enterprise(802.1X	()	VLAN ID	10		
			Radio	✓ Radio1(2.4GHz) ✓ Radio2(5GHz)		
				Radio3 @ (2.4GHz or 5GHz)		
Primary Server	Select a server	~	 ⊕ 			
Jitter Prevention						
Advanced Settings	Advanced Settings					
SSID		Radius Server	×			×
		Server Name :	radius_1		More	
WLAN ID	10	Server IP :	192.168.1.1	No	~	
SSID	Test_Ruijie	Authentication Port :	1812	Bridge	~	
Encryption Mode	WPA2-Enterprise(802.1	Accounting Port :	1813	10		
		ney :	rujie	Radio1(2.4GHz) 🔽 Radio2(5GHz)		
			Save Cancel	Radio3 @ (2.4GHz or 5GHz)		
Primary Server	Select a server	~) 🕀 🛛			

Click on Advanced Settings.

Configuration Guidance

Ruijie Cloud Cookbook

SSID	802.1x Server Group Configuration		×
WLAN ID SSID Encryption Mode	Common Configuration NAS IP Accounting Update Interval 5 Update	Min	More▼ ✓ ✓ Radio2(5GHz) r 5GHz)
Primary Server	Server Name Server IP Authentication Po	rt Accounting Port Key Action	1
Standby Server	radius_1 192.168.1.1 1812	1813 ruijie 前	
Jitter Prevention	First Previous Page 1 of 1	Next Last 10 - 1 in total	
Advanced Settings	lavanoca ootungo		

PPSK: Use PPSK algorithm to encrypt SSOD and password is required.

SSID			
			More▼
WLAN ID	10	Hidden	No
SSID	Test_Ruijie	Forward Mode @	Bridge
Encryption Mode	PPSK ~	VLAN ID	10
		Radio	Radio1(2.4GHz) Radio2(5GHz)
			Radio3 @ (2.4GHz or 5GHz)

Radio: generally, Radio 1 represent 2.4Ghz and Radio 2 represent 5Ghz, Radio 3 represent 2.4Ghz and 5Ghz.(supported on partial models)

Wi-Fi6: Choose disable Wi-Fi6 or not

On Reyee APs, Wi-Fi6 can be enabled based on SSID.

On RGOS APs, Wi-Fi6 can only be enabled based on Radio. After enabling, Wi-Fi6 is applied to the radio corresponding to the SSID.

5G-Prior Access

5G-Prior Access detects clients capable of 5 GHz operation and steers them to that frequency, while leaving 2.4 GHz available for legacy clients. It is not recommended to enable this function if most of clients only support 2.4GHZ

Apartment SSID

In SSID setting page, user can enable the Apartment WiFi Mode

SSID				×
				click here
WLAN ID	10	Hidden	No	Enable Apartment WiFi
SSID	Test_Ruijie	Forward Mode @	Bridge	~
			[

SSID				×
ାଦିଂ Enable Apartment WiFi t ୲ଦିଂ Each AP's SSID will be in AP1 SSID at users end is "C ାଦିଂ Both SSID and password ାଦିଂ Note: To add an AP to t	o configure APs' SSIDs and passwords differently from In the pattern of "SSID Prefix" + "AP Alias". For example GroupSSID-testAP1", and AP2 SSID is "GroupSSID-test d can be configured when importing APs in batch or add this group after enabling Apartment WiFi, please cli	each other in batch. , if the SSID prefix is "GroupSSID-", tAP2". WiFi passwords can be confi ding an AP manually. ck O in the SSID list to apply the	AP1 alias is "testAP1" and AP2 alias is "testAP2", then gured differently as well.	
WLAN ID	5 ~	Hidden	No	
SSID Prefix	Ruijie_	Forward Mode @	Bridge	
Radio	Radio1(2.4GHz) Radio2(5GHz)	VLAN ID	10	
Wi-Fið Ø	Radio3 @ (2.4GHz or 5GHz)			
5G-Prior Access @	\bigcirc			
Tip: There are Reyee devic	es in the network. The "Speed Limit per Client", "Speed	I Limit by SSID", "Auth" functions ca	n only be enabled on Ruijie Enterprise devices.	
Speed Limit per Client				
Speed Limit by SSID	0			
	OK	Cancel		

Wireless Config	uration						^
SSID 🕒							
WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
1	1000	Open	No	Bridge	1,2	Auth Disabled	
2	10001	PPSK	No	Bridge	1,2	Auth Disabled	D.
5	Ruljie_ (Apartment SSID Prefix)	wpa2-psk	No	Bridge	1,2	Auth Disabled	⊠ ⊡ ¤

Configure the Apartment SSID password and alias on ap details.

The default password is 88888888, no need to worry about affecting other SSID passwords, the SSID password here is just the apartment SSID password.

Device Details						
AP Info						
Alias : 🖍	SN : 57.5.2	MAC :				
MGMT IP: 10.10.1.106	Model: AP710	Config Status : Synchronized				
Hardware Version: 1.15						
Firmware Version : AP_RGOS 11.1(9)B1P21, Release(062	11815)					
Description :						
SSID Password : 888888888 🖍 👁						

Speed limit per Client: Upload and download speed limitation for each client on this SSID. **Speed limit by SSID:** Total throughput (upload & download) on this SSID.

Configuration Guidance

Tip: There are Reyee device	es in the network. The "Speed Limit per Client",	"Speed Limit by SSID", "Aut	h" functions can only be enabled on Ruijie Enterprise devices.	
Speed Limit per Client				
Uplink		Mbps	Downlink	Mbps
Speed Limit by SSID				
Uplink		Mbps	Downlink	Mbps

Example

WLAN ID		19	Hidden	No	3
SSID	Ruijie_test		Forward Mode @	Bridge	X
Encryption Mode	Open	~	VLAN ID	1	
			Radio	Radio1(2.4GHz) Radio2(5GHz)	
Wi-Fiß Ø					
5G-Prior Access 0	000				
Speed Limit per Client	•				
Uplink	1.0	Mbps	Downlink	1.0	M
Speed Limit by SSID					
Uplink	2.0	Mbps	Downlink	2.0	M
Auth	00				
		OK C	ancel		

	Settings	Web Cli
Senitor		
₿ twork		Console Output: wlan-gos wlan-based 7 per-user-limit up-streams average-data-rate 128 burst-data-rate 128
T	Logging	wlan-qos wlan-based 7 per-user-limit down-streams average-data-rate 128 burst-data-rate 128 AP710 ² sh run in qos
curity		wqos fs enable
20	Web Cli	wlan-qos wlan-based 1 total-user-limit up-streams average-data-rate 256 burst-data-rate 256 wlan-pos wlan-based 1 total-user-limit dom-streams average-data-rate 256 burst-data-rate 256
ranced		v largos sian-basel 1 total-user-linit dom-stream average-data-rate 256 burst-data-rate 256 vlargos vlan-basel 1 <u>per-user-linit</u> dom-stream sovrage-data-rate 256 burst-data-rate 256 vlargos vlan-basel 1 <u>per-user-linit</u> dom-stream sovrage-data-rate 256 burst-data-rate 256 vlargos vlan-basel 1 <u>total-user-linit</u> dom-stream sovrage-data-rate 256 burst-data-rate 256 vlargos vlan-basel 7 <u>total-user-linit</u> dom-stream sovrage-data-rate 128 burst-data-rate 256 vlargos vlan-basel 7 <u>ber-user-linit</u> up-stream sovrage-data-rate 128 burst-data-rate 128 vlargos vlan-basel 7 <u>per-user-linit</u> up-streams average-data-rate 128 burst-data-rate 128 vlargos vlan-basel 7 <u>per-user-linit</u> dom-streams average-data-rate 128 burst-data-rate 128 A77108 Command Input:

total-user-limit stands for Speed Limit by SSID per-user-limit stands for Speed Limit per Client **Captive Portal**

Auth Mode Seamless Online 🛛	Captive Portal]	
Please select a portal or	add a new portal.		
test111 Program	1 Record Logn Account Password Cogn Cogn Cone-dipit Logn	Account Logn Account Logn Account Password	voucher

Seamless Online: Users only need to pass authentication once. If they want to go online again, authentication is not required. After users go online, they do not need to log in again in the specified period.

External Portal

Auth	
Mode	External Portal ~
Portal Server URL @	
Portal IP 0	
Portal Port(Optional)	
Gateway ID(Optional)	
Seamless Online	Enable(Available only when Auth server supports the function)
Idle Client Timeout	Inactive Client Auto Offline (Optional)^ In minutes, client with traffic cost less than will be kicked off.

Portal Server URL: external wifidog portal server URL for user login

Portal IP: Portal server IP address

Portal Port: Port number for landing page redirection.

Gateway ID: Gateway ID value for wifidog

Seamless Online: Seamless auth on STA connected to SSID second time. Authentication server supports seamless feature is required.

Idle Client Timeout: User will be kicked if low traffic or no traffic passthrough in specific period.

Radio Setting

Radio			
Radio1(2.4GHz)	Radio2(5GHz)	Radio3 🕜 (2.4GHz or 5GHz)	Scan 🔿 Access
ON/OFF	ON/OFF	ON/OFF	
Max Clients	Max Clients	Max Clients	
Enable DFS 0	Enable DFS @	Enable DFS 0	

Enable DFS: after enabling DFS, the device will automatically change a channel when detecting radar interference. The function is only supported on RGOS devices

Radio3: supported on partial models

Scan: Radio 3 is used for collecting the RF information around the AP. Client access service is not available.

Access: Radio 3 is used for wireless coverage. Client access service is available.

Security

PROJECT	Enable DFS 8		Enable DFS 6	
	Convritu			
Basic	Security			
Layout	eWeb 🛛			
Radio	eWeb			
Wi-Fi Optimization beta	Password	Configure Password		
Roaming	Telnet Settings Ø			
Bluetooth	Telnet			
Load Balancing	Password	~		

eWeb: The password applies to the devices of the whole network.

Telnet Settings: The password to log in to the AP by telnet.

For project security, please configure the management password first. The management password will be used for the eWeb systems of all devices in the network.

Client Isolation

Client Isolation is to isolate all traffic (unicast, multicast, broadcast) for each user. AP-based Client Isolation and AP&SSID-based Client Isolation.

⊕	PROJECT	Password ruijie123
(•	WIRELESS	Client Isolation
	Basic	AP-based Client Isolation (Clients on the same AP are isolated)
	Layout	AP&SSID-based Client Isolation (Clients on the same AP with the same SSID are isolated)
	Radio	

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 Detection

Wireless Intrusion Detection can monitor STA behavior and prevent damage to network caused by anonymous hacker.
Wireless Intrusion Detection	
DDOS Attack Detection	
Flooding Attack Detection	
AP Spoof Attack Detection	
Weak IV Attack Detection	
Attack sources will be added to the dynamic blacklist and their packets will be discarded	
Clients will be in the blacklist for seconds(Optional. Range:60-86400 Default: 300)	

After setting the attack detection method and enabling the dynamic blacklist function, when the device detects an attack, it will automatically add the attack source to the dynamic blacklist; after the lifetime expires, the attack source will be automatically deleted from the blacklist.

DDoS Attack Detection: A DDoS attack occurs when an attacker sends a large number of attack packets to the target device in a short period of time (including ARP packets, ICMP packets, and SYN packets), which affects the association of legitimate users to the attacked device. The device will determine whether attacker packet PPS exceeds the threshold. The default threshold is 50pps for ARP packets, 100pps for ICMP packets and 50pps for SYN packets. The default interval is 30s.

Flooding Attack Detection: A flooding attack occurs when an attacker sends a large number of packets of the same type in a short period of time. As a result, the WLAN device is flooded and cannot process the request. WIDS prevents the flooding attack by continuously monitoring the traffic of each device. The default threshold is 300 for a single user and 4800 for multiple users. The default interval is 10s.

AP Spoof Attack Detection: A spoofing attack occurs when an attacker sends fake packets on behalf of another device. WIDS detects de-authentication and disassociation broadcast packets. When receiving such packets, WIDS will immediately identify a spoofing attack and record it in the log. The default threshold is 1 and the default interval is 50s.

Weak IV Attack Detection: Weak IV (Weak Initialization Vector) attack occurs when an attacker intercepts the shared key and steals the encrypted information by intercepting the packet with the weak initialization vector during the process of WEP encryption. WIDS prevents this attack by identifying the IV of each WEP packet. When a packet with a weak initialization vector is detected, WIDS determines that this is an attack vulnerability and will immediately record the detection result in the log. The default threshold is 10 and the default interval is 15s.

AP RF Schedule

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.

AP RF Schedule				
RF Shutdown Schedule				
Period				
Start Time	This day	~	23 ~ :	00 ~

Whitelist

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.

Whitelist O		Facebook
Address	Description	Action
*.facebook.net	The domain name is mandatory for Facebook authentication	
*.facebook.com	The domain name is mandatory for Facebook authentication	
*.fbcdn.net	The domain name is mandatory for Facebook authentication	
*.akamaihd.net	The domain name is mandatory for Facebook authentication	
staticxx.facebook.com	The domain name is mandatory for Facebook authentication	

CLI Command

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

CLI Command			
Model		Descri	otic
		No	Da
			_
Command			×
Device			٦
	ALL		
Description	ALL		٦
	AP180	2	J
Command	AP710		٦
	AP720-L		

Device: You can select all devices, or select devices of the same model or devices of multiple models

Description: Custom description name

Example

Command		×
Device	×ALL	×
Description	power radio2/0	
Command		
conf ter interface dot11radio 2/0 power local 99 end write		
		OK Cancel

Click save, then test

	e 🕑 a a 😫
Search Network Q	(GMT+8:00)Asia/Hong_Kong Manage Project Conflict Network Take over Network Unbind Device
	Save More -
Wireless Configuration	
SSID 🖨	
Settings	

/onitor	ootango	Web Cli
	Upgrade	
8 letwork	Restart	Console Output: antenna receive 3
1	Logging	antenna transmit 3 sta-limit 10
ecurity	Detection Tools	no ampdu-rts
29 dvanced	Web Cli	rate-set 11a mandatory 6 12 24 rate-set 11a support 9 18 36 48 54
'ŵ	System Mode	rate-set 11n mcs-support 15 rate-set 11ac mcs-support 19
System		llacsupport enable
		power local 99 channel 149
		chan-width 20
		AP710(config)#

2.2 Radio

Country code enables you to specify a particular country of operation and it ensures each radio's broadcast frequency bands, interfaces, channels, and transmit power levels are compliant with country-specific regulations. Frequency bandwidth determine how many non-overlap channels can be used for your AP to reduce RF interference.

The best practice for user experience is 2.4GHz in 20MHz, 5GHz in 40MHz.

Radio Settings

Radio Settings		
Country/Region	Indonesia(ID)	~
RF1(2.4G) Default Channel Width	20MHz	~
RF2(5G) Default Channel Width	40MHz	~
RF3(5G) Default Channel Width	40MHz	~

Country/Region: Click to select the country-code.

RF1(2.4G) Default Channel Width: Click to configure the default channel width of RF1.RF2(5G) Default Channel Width: Click to configure the default channel width of RF2.RF3(5G) Default Channel Width: Click to configure the default channel width of RF3.

Manual Planning

Manu	al Planning										
List I	Batch Config										
	SN	MAC	Device Name	Radio 1	(2.4G)	Radio	2(5G)	Rad	io 3(5G)	Config Details	
				Channel	Power	Channel	Power	Channel	Power		
0	1234942512345	8005.88aa.004d	AP710	6	100	149	99	165	Not Configured	SN 1234942512345	
	G1L919900130B	8005.88aa.0045	AP720-L	1	99	60	99	Not Configured	Not Configured	Country China(CN)	
		First Previous	Page 1	of 1	Next	Last			10 a 2 in total	 Radio 1(2.4GHz) Channel 	
										6	~
										TX Power	
										100	%
										 Radio 2(5GHz) Channel 	
										149	~
										TX Power	
										99	%
										Radio 3(5GHz)	
										Channel	~
										TX Power]
											%
										L	

SN: Displays the SN of AP.

MAC: Displays the MAC address of AP.

Device Name: Displays the AP name.

Radio Channel: Displays the current channel of radios.

Radio Power: Displays the local power of radios.

Config Details: Choose the AP and configure the channel and power of radios.

Batch Config: Click to do the batch power configuration for APs.

2.3 Wi-Fi Optimization

Wi-Fi Optimization is an intelligent and automatic RF optimization scheme tailored for complicated scenarios with multiple APs. It is supported on Enterprise APs, most Reyee APs, and EGs. After Wi-Fi Optimization collects spatial information, including SSID,

channel, signal strength and client status (transfer rate, delay, packet loss rate etc.), it analyses information through the intelligent algorithm to provide the optimal network solution (channel and power planning for each AP), and automatically adjusts the configuration of APs in the network.

The benefits of Wi-Fi optimization: Imagine that you need to optimize over 100 APs. However, the roaming effect of auto channel optimization is not satisfactory, and it takes too much time to manually adjust the channel and power. Or imagine an office with dozens of APs whose network connection is unstable for some PCs or phones. Clients may experience web buffering and low speed. Wireless network optimization used to be time and labor consuming. But now, with Wi-Fi Optimization, you can complete the optimization of all APs by one click.

Step1 Enable Wi-Fi optimization.

) (the power of APs in the project with one click, so as to reduce the interference of prove the user experience. Note: Please enable WI-PI optimization during non-
nd m

Step2 Click the Optimize Now to start the optimization.

¢	PROJECT		
(•	WIRELESS	Wi-Fi Optimization Great's Wi-	-Fi Optimization?
	Basic	Wi Ei Ontimization Cattinga	
	Layout	wi-Fi Optimization Settings	
	Radio		
	Wi-Fi Optimization	i de la compañía de la	It is recommended optimizing Wi-Fi during non-peak hours. (Current country code:CN, Change country code.)
	Roaming		
	Bluetooth		1 15min Online Clients Estimated Time Optimize Now
	Load Balancing		
0	AUTHENTICATION		
	Captive Portal	· ····································	Optimization Schedule
	PPSK		
	Voucher		
1	WI-FI Optimization CP What's WI-FI Optim	ization?	
v	Vi-Fi Optimization Settings		
	It is reco	ommended optimizing Wi-Fi during non-peak hours. (Current cou	ntry code: CN, <u>Change.country.code</u> .)
		1 15min nline Clients Estimated Time	Optimize Now
	Optimiz	cation Schedule	
		* Repeat on Tuesday ~	
		* Start Time 0:00	
		Save	

Online Clients: Displays all wireless online clients.

Estimated Time: Displays the estimated time to complete the optimization.

Optimization Schedule: Supports setting optimization, it is recommended optimizing Wi-Fi during non-peak hours.

Step3 Once the optimization finished, the browser will display the optimization details.

Last Optimization 2022-03-07 10:00	:37 Improved by	60%	Optimized APs Total APs: 5	3				
Wi-Fi Optimization	Record							
AP SN ≑	Alias	Optimized	Band 🗢	Before	Channel Ch Optimization After Op	annel Power otimization Before Optimi	Power zation After Optimizatio	Other
1234942512345	AP710		2.4G	6	6	100	100	
1234942512345	AP710	Yes	5G	149	149	100	99	
G1L919900130B	AP720-L	Yes	2.4G	9	1	99	99	<u>ر</u> ۵
G1L919900130B	AP720-L		5G	60	60	99	99	
G1MQ3U600181A	A720	Yes	2.4G	6	11	99	99	
G1MQ3U600181A	A720		5G	157	157	99	99	
CANLC2R001191	ReyeeAP1		2.4G	Other parameters: cha	annel width before: 80, channel wi	dth after: 80; roaming sensitivity befo	re: 0, roaming sensitivity after: 0; int	lerference before: 0, interference after: 0.
CANLC2R001191	ReyeeAP1		5G	36	36	100	100	Other parameters: c

Last Optimization: Displays the time of the last optimization.

Improved by: Displays improved device percentage.

Optimized APs: Displays the number of optimized devices.

AP SN: Displays the serial number of AP.

Alias: Displays the description of AP.

Optimized: Displays the optimized result.

Band: Displays the optimized wireless band.

Channel Before Optimization: Displays the wireless channel before the optimization.

Channel After Optimization: Displays the wireless channel after the optimization.

Power Before Optimization: Displays the local power before the optimization.

Power after Optimization: Displays the local power after the optimization.

Other: Displays other parameters for Reyee device.

Channel width before: Displays the channel width before optimization.

Channel width after: Displays the channel width after optimization.

Roaming sensitivity before: Displays the roaming sensitivity before optimization.

Roaming sensitivity after: Displays the roaming sensitivity after optimization.

Interference before: Displays the interference before optimization.

Interference after: Displays the interference after optimization.

2.4 Roaming

Ruijie Cloud roaming function allows STA from AP-1 roaming to AP-2 subnet B seamlessly. User can turn on the layer 3 roaming and layer 2 roaming on **Roaming** page.

Click WIRELESS > Roaming to enable the L2 or L3 Roaming



After enable the L3 roaming, you can go to AP's Web CLI to check the Roaming Group Neighbor.

Web CLI				
SN:123494251	2345			Background cold
General	>	MBSSID	Please select the target operation on the left	
Connectivity	>	WLAN Details		
Running Status	>	Roaming Group Neighbor	Please wait	
Client	>		Roaming Group Neighbor:	
WLAN	>		BSSID AP MAC VLAN FWD IP Address SSID	
Wireless Secu	. >		0605.88 7 8005.8 5 1 Bridge 192.168.110.132 Ro AP 0605.88 8 8005.8 5 1 Bridge 192.168.110.132 R AP	
Web CLI	>		0605. f 8005.88a 1 Bridge 10.10.1.18 Rou P 0605.8c) 8005.88a J 1 Bridge 10.10.1.18 Rou AP	

L3 Roaming Common Scenario

Scenario

To deploy a network for a new branch, a WiFi network "SSID-FREE" is provided for external personnel for free. The WLAN for clients on floor 3 is divided into VLAN 10, and

the WLAN for clients on floor 4 is divided into VLAN 20. The roaming function is supported, and the uplink and downlink rates of all clients are limited to 100 Kbps.

Topology



Configuration

Step 1 Add 2 sub-project under the same project.

Project Management How to Use?									✓Project Sharing
Q ■ ● Root ▲ Testhotel * ▲ testex * ▲ 1111111111111 ▲ AC_Group ▲ RyeeNetwork1_Auto	Project Info Proje The p Add Sub Proje	o thotel * <\$	deployment. It is the same ates that there are sub pro	with project o	on Ruijie Clou	ıd App.			
្ពុឆ្លំ hrhdfgf * ឆ្លំ aedfdfd	Project Lis	t							
- 💑 test214	Name	Parent Project	Туре	Devices	Alarms	Action		Advanced	
Training	Building1	ROOT / Testhotel	Sub Project	0/0	<u>0</u>	0 2	Dashboard	A Topology	<u></u>
- 歳 REYEE 品 VPNtest	Building2	ROOT / Testhotel	Sub Project	0/0	<u>0</u>	0 2	1 Dashboard	🖧 Topology	<u> </u>

Step 2 Add the AP1 and AP2 to Building1, add the AP3 and AP4 to Building2.

Configuration Guidance

Ruijie Cloud Cookbook

ALL \sim	Testhotel V	Building	1 Search Networ	ik Q						(GMT+8:00)Asia/H	long_Kong Manage P	roject Take	over Network	nbind Device
AP List	t											Auto Refres	sh: 💽 🕹 🖄	# • N
Add	Web CLI	More - 0	Selected										SN, Alias, Descripti	on Q
	Status	SN	Config Status	MAC	Alias	MGMT IP	Egress IP	Clients 🔶	Network	Firmware Version	Offline Time	Model	Description	Action
								No Data						
					First	Previous	Page 0	of 0 Ne	Last				10 🔺	0 in total

ALL V	Testhotel \vee	Building	12 V Search Network	Q						(GMT+8:00)Asia/Ho	ong_Kong Manage P	roject Tak	e over Network	nbind Device
AP List	AP List													
Add	Web CLI	More - 0	Selected	MAG	Aller	MONTIN	F 10	Cliente	Matural	Firmer Version	Offline Time	Madal	SN, Alias, Descripti	ion Q
	Status SN Config Status MAC Alias MGMT IP Egress IP Clients Network Firmware Version Offline Time Model Description Action No Data													
					First	Previous	Page 0	of 0 Nex	d Last				10 🔺	0 in total

Step 3 Enable the roaming.

Testholer •	h Network Q		
Testhotel Roami	ng Settings		
L3 Roaming 🔵	L2 InVLAN Tunnel Forwarding		

Step 4 Configure the SSID for Building1, the Forward Mode is Bridge, VLAN ID is 10.

Testhotel \checkmark > Building1 \checkmark Search Net	work Q		(Gl	MT+8:00)Asia/Hong_Kong Manage Project	Take over Network Unbind Device
	The sub p	oject inherits configuration from the project Test	notel . To configure sub project Buildir	ng1 , <mark>click <u>here</u> .</mark>	More +
SSID					×
					More
WLAN ID	2	~	Hidden	No	~
SSID	Roaming		Forward Mode @	Bridge	~
Encryption Mode	Open	~	VLAN ID	10	
			Radio	🔽 Radio1(2.4GHz) 🔽 Radio	2(5GHz)
				Radio3 @ (2.4GHz or 5GH	łz)
Wi-Fi6 @					
5G-Prior Access @	\bigcirc				
Speed Limit per Client	\bigcirc				
Speed Limit by SSID	\bigcirc				
Auth	\bigcirc				
		ок	Cancel		

Step 5 Configure the SSID for Building2, the Forward Mode is Bridge, VLAN ID is 20.

Testhotel V > Building2 V Search Net	work Q		(G	MT+8:00)Asia/Hong_Kong Manage Project Take over Net	work Unbind Device
	The sub project inherits configuration	from the proje	ct <u>Testhotel</u> . To configure sub project Buildi	ng2 , click <u>here .</u>	More 🕶
SSID					×
					More
WLAN ID	2	~	Hidden	No	~
SSID	Roaming		Forward Mode @	Bridge	~
Encryption Mode	Open	*	VLAN ID	20	
			Radio	🔽 Radio1(2.4GHz) 🔽 Radio2(5GHz)	
				Radio3 @ (2.4GHz or 5GHz)	
Wi-Fi6 @					
5G-Prior Access @	\bigcirc				
Speed Limit per Client	\bigcirc				
Speed Limit by SSID	\bigcirc				
Auth					
		ОК	Cancel		

Step 6: APs online.

Gateway Configuration:

Add the AP address pool: 192.168.1.0/24.

Building 1 client address pool: 192.168.10.0/24; gateway: 192.168.10.1; VLAN: 10

Building 2 client address pool: 192.168.20.0/24; gateway: 192.168.20.1; VLAN: 20

PoE Switch Configuration:

On the port through which the PoE switch is connected to the AP, configure a trunk port with the native ID set to 1 by default, and add **VLAN 10** and **VLAN 20**.

Step 7: Verification.

Connect a mobile phone to the WiFi network properly for Internet access.

Connect a mobile phone with the SSID: **Roaming**, and go upstairs from **Building1** to **Building2**. Reconnection and Internet access failure do not occur.

2.5 Bluetooth

BlueTooth is used for the AP which supports iBeacon feature to broadcast iBeacon signal.

Step1 Click WIRELESS > Bluetooth > Add to add the iBeacon parameters to designed

AP.

Also support to click import for batch configure.

8 abcdefg@111.com ∨	aedfdfd V Search Network Q				(GMT+	8:00)Asia/Hong_Kong Manage Pro	oject Conflict Network Take ov	er Network Unbind Device		
PROJECT										
	Device Info							⊕ # * ½		
Basic	Add						SN	Q Search		
Layout	Device SN	Status	UUID	Major	Minor	Network	AP Alias	Action		
Radio	No Data									
Roaming			First Previous	Page 0 of 0	Next Last			10 a 0 in total		
Bluetooth								8		

Step2 Fill in AP serial number(needs to be online) and iBeacon parameters which are provided by iBeacon service provider.

Bluetooth	>
Device SN	*
Status	
UUID	*
Major	*
Minor	*

Step3 Verify by using "nRF Master Control Pannel" APP on Android phone.



2.6 Load Balancing

The load balancing feature ensures that clients are evenly distributed across the member APs, thereby using the resources efficiently.

Step1 Click WIRELESS > Load Balancing > Add Now to add a load balance group.



AP Load Balancing	Group			×
Group Name				
Туре	Client Load Balancing	Traffic Load Balancing		
Rule	When an AP is associated with	3 @ clients and the differe	nce between the currently associated	client count and client
AP Member	count on the AP with the lightest association is denied by an AP for Airas SN	load reaches 3 , clients ca or 10 times, the client will be	an associate only to another AP in the e allowed to associated to the AP upor	group. Aftere a client in the next attempt.
		~		pluy an grouped a s
	Alias	SN	Group Name	
	ReyeeAP1	CAN		
	ReyeeAP2	G1Qł	0	
			< 1 > 10/page ~	Go to 1
				OK Cancel

Step2 Select the load balance type and add the AP to the group.

Group Name: Enter the load balance group name.

Type: Select the type of load balancing: client or traffic.

AP member: Select the APs to the group.

Step3 Client Load Balancing

Rule: When an AP is associated with **x** clients and the difference between the currently associated client count and client count on the AP with the lightest load reaches **Y**, clients can associate only to another AP in the group. After a client association is denied by an AP for **Z** times, the client will be allowed to associated to the AP upon the next attempt.

Group Name	test1		
Туре	Client Load Balancing Traffic L	oad Balancing	
Rule	When an AP is associated with 3 count on the AP with the lightest load re association is denied by an AP for 1	clients and the difference aches 3 , clients car 0 times, the client will be	ce between the currently associated client count and on associate only to another AP in the group. Aftere a c allowed to associated to the AP upon the next attemp
AP Member	Alias, SN Q	SN	Only display un-grouped
AP Member	Alias, SN Q Alias ReyeeAP1	SN CAN	Only display un-grouped Group Name test
AP Member	Alas, SN Q Alias ReyeeAP1 ReyeeAP2	SN CAN G1	Cinly display un-grouped Group Name test test

I	Load Balancing Load balancing can only be e	mabled on Reyee RA	IP with P55 or a higher version, and	there must be Reyee EG in the network.		+.044	
						TAU	
		Traffic Load Ba	lancing			Delete Edit	
	test	Rule	threshold: 5 * 100Kbps	Traffic Difference: 5 * 100Kbps	Max Denial Count: 10		
		AP Member	CANLI GIQH				

Step4 Traffic Load Balancing

Rule: When the traffic load on an AP reaches X *100Kbps and the difference between the current traffic and the traffic on the AP with the lightest load reaches Y *100Kbps, clients can associated only to another AP in the group. After a client association is denied by an AP for Z times, the client will be allowed to associated to the AP upon the next attempt.

AP Load Balancing	Group		×
Group Name	[
Туре	Client Load Balancing Traffic Los	ad Balancing	
Rule	When the traffic load on an AP reaches AP with the lightest load reaches 5 association is denied by an AP for	5 *100Kbps and the of *100Kbps, clients can ass times, the client will be a	difference between the current traffic and the traffic on the sociated only to another AP in the group. After a client Illowed to associated to the AP upon the next attempt.
AP Member	Alias, SN Q Alias ReyeeAP1 ReyeeAP2	SN CAN: G1C	☐ Only display un-grouped APs Group Name < 1 > 10/page ∨ Go to 1 OK Cancel
Load Balancing Load balancing can	only be enabled on Reyee RAP with P55 or a higher version, and there mu	ist be Reyee EG in the network.	+Add
test	Client Load Balancing Rule threshold: 3 Client Count Diffe AP Member CAN G1C	erence: 3 Max Denial Count: 10	Delete Edit

* Note:

Load balancing can only be enabled on Reyee RAP with P55 or a higher version, and there must be Reyee EG in the network.

3. Authentication

3.1 Captive Portal

A captive portal is a web page accessed with a web browser that is displayed to newly con nected users of a Wi-Fi or wired network before they are granted broader access to networ k resources. Captive portals are commonly used to present a landing or log-in page which may require authentication, payment, acceptance of an end-user license agreement, acce ptable use policy, survey completion, or other valid credentials that both the host and user agree to adhere by.

On the Captive Portal page, you can edit the portal template. If you enable auth when configuring SSID and select the Captive Portal option, you can select an existing portal template.

Captive Portal List



Name: Displays the name of captive portal template.

Applied SSID: Display the EG Network bound to the captive portal template.

Network of Synchronized EG: Displays the name of captive portal template.

Created on: Displays the time a captive portal was created.

Description: Displays the description of captive portal templates.

Click **AUTHENTICATION > Captive Portal > Add** to add a new captive portal template.

Ruijie	
8 a m v	32 V Search Network Q
PROJECT	
	Captive Portal
Basic	Add Synchronize
Layout	
Radio Planning	C m
Roaming	
Bluetooth	SSS SSS
Load Balancing	Applied SSID 32
O AUTHENTICATION	Network of Synchronized EG
Captive Portal	Acceptable Lite Parky
PPSK	2021-03-11 17:32:04
Voucher	· Description
Account	ssssf

Edit the captive portal template.

Captive Portal > Add		×
Name	*	
Description		
Login Options	One-click Login Voucher Account Facebook Account SMS	
Show Balance Page @		
Post-login URL @	https://www.ruijienetworks.com	

Name: Enter the name of captive portal template.

Description: Enter the description of captive portal templates.

Login Options: Select the option to perform the desired action:

One-click Login: Login without username and password. Support to set the **Access Duration** and **Access Times Per Day**.

Voucher: Login with a random eight-digit password.

Account: Login with the account and password.

Facebook Account: Login with the facebook account.

SMS: Login with phone number and code.

Show Balance Page: Displays available duration, time or data after portal authentication.

Post-login URL: Enter the URL that pop-up after the portal authentication.

Edit the **Portal Page > Basic.**

Advanced				
	(bended)	Mobile	Desktop 🤿	Reset Sty
go Picture @ Default Log	io Upload		1	
ckground 🔵 Image	Solid Color	Ruffe	6	
ickground Image @ Default Ima	age Upload		TANK .	
nguages English ×	+	One-click	Login	
Welcome Mersage	ext Image @			
Welcome message.				
Text	60 characters remaining			
L			Ser.	
	contract and provide and states and states and states and a		And the second se	
Marketing Message	60 characters remaining			
Marketing Message	60 characters remaining			
Marketing Message	60 characters remaining			
Marketing Message	60 characters remaining			
Marketing Message	60 characters remaining	te: This is only a preview image. The actual effect	ets vary with devices at different r	solutions.
Marketing Message	60 characters remaining	ete: This is only a preview image. The actual effect	ts vary with devices at different r	osolutions.

Logo Picture: Upload the logo picture or select the default logo.

Background: Select the background with image or default(select the color).

Background Image: Upload the background image or select the default image.

Language: Select the language of the portal page.

Welcome Message: Select the welcome message with image or text.

Marketing message: Enter the marketing message.

Terms & Conditions: Enter the terms & Conditions.

Copyright: Enter the copyright.

Basic Advanced		Mobile Desktop O Reset Style
Logo Position	Upper 🗸	
Background Mask Color	#a2a2a2	reugro 🖄
Background Mask Opacity	30	
Velcome Message Text Color	#ffffff	One-click Login
Velcome Message Text Size	24 🗸	
Button Color	#0066ff	
Button Text Color	(#ffffff	
ink Color	#ffffff	
ext Color in Box	#ffffff	
		Note: This is only a preview image. The actual effects vary with devices at different resolutions.

Edit the **Portal Page > Basic.**

Logo Position: Select the logo position(Upper, Middle and lower).

Background Mask Color: Select the background background mask color. The default is #a2a2a2.

Background Mask Opacity: Select the background background mask opacity(0-100).

Welcome Message Text Color: Select the welcome message text color. The default is #ffffff.

Welcome Message Text Size: Select the welcome message text size.

Button Color: Select the button color. The default is #0066ff.

Button Text Color: Select the button text color. The default is #ffffff.

Link Color: Select the link color. The default is #ffffff.

Text Color in Box: Select the text color in box. The default is #ffffff.

How many portal templates do one network support?

Considering the performance and design aesthetic of the page, one network support 50 portal templates maximally.

Whether the portal template supports multiple languages?

Yes, the portal template supports multiple languages including Chinese (Simplified); Chinese (Traditional); English; German; Indonesian; Japanese; Korean; Malay; Portuguese; Russian; Spanish; Thai; Turkish; Vietnamese.

* **Note:** The preview image including mobile and desktop format. The actual effects vary with devices at different resolutions.

Click **AUTHENTICATION** > **Captive Portal** > Synchronize to sync the portal template to EG.



If there are no EGs in the network, try to add a EG first.



If there are a EG in the network, click **OK** and bind a captive portal as **Template**.



Enable the Local Server Auth and Auth Integration with Cloud on the EG eWeb.



Displays the synchronize time on the template.



Access to the EG eWeb, click **Add Policy** and preview the **cloud template**, check whether same as the template on Ruijie Cloud.



Click Cancel and unbind a captive portal to EG.

Captive Portal > Synchronize
EG2100-P HIP
SSS Sync the portal to EG. Oktower toge Oktower toge

Why can't I see the Facebook auth option in the authentication page?

EG local authentication only support one-click/ voucher/ account authentication.

Why can't I see the SMS auth option in the authentication page?

EG local authentication only support one-click/ voucher/ account authentication.

Why can't I see the post-login page after successful authentication?

The post-login configured on Ruijie cloud will not be synchronized to EG. So EG local auth does not support popping up post-login page.

What can I do if the voucher data usage exceeded but it still can be used?

The Data Quota configured on Ruijie cloud will not be synchronized to EG. So EG local auth does not support data usage limitation.

What can I do if I want to use different portal templates for different SSIDs?

Ruijie Cloud captive portal template only can synchronize one template to EG. If you need 2 SSIDs with 2 different portal templates, it is recommended that 1 SSID using the Ruijie Cloud captive portal, while another using EG local portal.

What can I do if I want to enable the seamless based on different SSIDs?

The seamless of EG local authentication is a global configuration, so it cannot be configured based on different SSIDs.

3.2 PPSK

Per-user PSK(PPSK) is also called as "One Client, One Password". It combines the advantages of PSK and 802.1x. Each terminal device is bound with a unique Wi-Fi password so that the Wi-Fi will be much more secure.

Click AUTHENTICATION > PPSK > Add to add the PPSK accounts.

EG2100 ~	Search Network Q		
Tip: Please of	isable Private MAC when using P	PSK on iOS 14.	
PPSK 🛛			
Add	Delete		

Support add account by manual or batch import. Download template, edit it and upload template file.

Download and in	i in the device information in th	e template.Up to 1500 records can be impo	orted
	Upload Template File	Download Template	

-1	А	В
1	Account	
2	T1	
3	T2	
4	T3	-
5	T4	-
6	0.1001	
7		

Add Account	×
Download and fill in the device information in the template.Up to 1500 records can be imported	
ppskTemplate (1).xls	
Import	
Add Account	se

Account	test1	ŭ	
Account	test2	Ū	
Account	test3	Ū	
Account	test4	直 +	

PPSK Account List

Tip: Plea	se disable Privat	e MAC when using PPSK on iOS 14.			
PPSK	.0				⊕ ⊮ ₽ ₹
Add	Delete			Account	Client MAC Q Search
	Account	Client MAC	WiFi Key	Created at	Action
	T4	Format:fff.ffff Bind	2rap88ri	2022-02-28 15:35:2	2 🖻 🕮
	test3	Format:fff.ffff Bind	8r4x53va	2022-02-28 15:31:0	3 🖻 🔟
	Т3	Format:fff.ffff Bind	bbvjwp82	2022-02-28 15:35:2	2 🖻 🔟
	test2	Format:fff.ffff Bind	d6xff28w	2022-02-28 15:31:0	3 💼 🔟
	test	Format:fff.ffff Bind	ear76anr	2021-11-12 20:24:0	ò 💼 🔟
	test1	Format:ffff.ffff Bind	fq6rnxky	2022-02-28 15:31:0	3 💼 🔟
	T2	Format:fff.ffff Bind	hghvyrr6	2022-02-28 15:35:2	2 🖻 🔟
	123	bce2.659a.8dbe	hn59m63s	2021-11-12 20:26:2	
	test4	Format:ffff.ffff Bind	stdhhxy8	2022-02-28 15:31:0	3 🖻 🟛
	T1	Format:fff.ffff Bind	t3qhkxjk	2022-02-28 15:35:2	2 💼 🚊
		First Previous	Page 1 of 1 Next Last		10 👞 10 in tota

Account: Displays the name of PPSK account.

Client MAC: Displays the client mac for this account.

Auto recording: After the first client connect to the AP with the WiFi key, will bind the client's mac and displays here.

Manual setting: Manually bind the mac of the client to the WiFi key. If the mac connected to the AP is incorrect, the connection will fail.

WiFi Key: Randomly generated 8-digit password for PPSK account.

Created at: Displays the time a PPSK account was created.

Action: Click a button to perform the action: Edit, Delete.

Edit the Account to check the PPSK Synchronize Log

Synced: 2	Syncing: 2	Unsupported: 0	
	SN	Status	Update Time
1234		SYNCING	2022-02-28 15:50:47
G1L		NEVER_ONLINE	2022-02-28 15:35:22
G1M ^C		SYNCED	2022-02-28 15:50:48
G1I		SYNCED	2022-02-28 15:50:47

For the PPSK Key, need sync to all the APs in the same network.

Click **AP** > **Web CLI**, enter the command "show sumng user all" to check whether the PPSK WiFi Key sync to the AP or not.

SN									Back	ground color:	
General	>	Web CLI	sh sumng us	er all							
			Sumng Tota	User Nur	n:	10					
Connectivity	>		Sumng Tota	Sta Num	:	1					
Running Status	>		UserNam	e Wif	iKey	Account-Time	M	ac-Address	Reg-Time		
i taning otatao											
Client	>			3qhkxjk	Mon Feb	28 15:52:11 20	22 -				
onent				tdhhxy8	Mon Feb	28 15:52:11 20	- 22				
	~			nn59m63s	Mon Fe	b 28 15:52:11 2	2022 bo	e2.659a.8db	e Mon Feb 28 15	:52:11 2022	
VLAN	-			nghvyrr6	Mon Feb	28 15:52:11 20	- 22				
w. 1 0				q6rnxky	Mon Feb	28 15:52:11 20	22 -				
wireless Secu	>			ear76anr	Mon Feb	28 15:52:11 20	- 22				
				d6xff28w	Mon Feb	28 15:52:11 20)22 -				
Veb CLI	>			obvjwp82	Mon Feb	28 15:52:11 2	022 -				
				3r4x53va	Mon Feb	28 15:52:11 20	- 22				
				Pran88ri	Mon Feb	8 15.52.11 202	22 -				

* Note: limitations of PPSK

- a. The PPSK function only supports importing 1500 passwords.
- b. PPSK is based on MAC address binding of terminals, and multiple devices under the same user also need to login with different passwords.
- c. Each AP can only configure a PPSK authentication SSID.
- d. The PPSK password is generated randomly and does not support custom password format.
- e. The AP can support PPSK only after upgrade to B40P2 or later version.
- f. There is no validity date for PPSK, which could be used all the time once created.
- g. The PPSK could be created manually or by batch import.
- h. The AP130(L) does not support PPSK.
- i. Only the Sub account user who is assigned with the root group is able to configure PPSK.

3.3 Voucher

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

Click **AUTHENTICATION** > **Voucher** > **Manage Package** to configure access policy for the voucher.

32 ~	Search Network	Q						
Vouch	er							
Print Vou	cher Mana	ge Package	More -	Total Vouche	ers: 104	Activated Vouchers: 0	Depleted Vouchers	\$ ∅:0

Click Add Package to add the package.

Package Name			
Description			
Price			
Concurrent Devices	3	~	
Bind MAC			
Period	30 Minutes	~	
Data Quota	100 MB	~	
Download Speed	Unlimited	~	
Upload Speed	Unlimited	~	

Package Name: Enter the package name.

Description: Enter the description of voucher package.

Price: Enter the price of voucher package.

Concurrent Devices: Select the concurrent devices for 1 voucher.

Bind MAC: Select bind MAC address or not.

Period: Select the maximum valid time of voucher code.

Data Quota: Select the maximum a mount of data transfer.

Download Speed: Select the maximum download speed.

Upload Speed: Select the maximum upload speed.

Voucher list

32 ~	Search Network	Q									(GMT+8:00)Asia/Hong_Ki	Manage Project	Take over Netw	vork Unbind Device
Vou	cher													⊖ ₫ #•3
Print	Voucher Mana	age Packa	age 🔿 🛛 More 🕶	🔵 🔵 Total	Vouchers: 104	Activated Vouchers: 0	Depleted V	ouchers 🕲 :	0			Voucher Code, Al	lias, Pack: Q	Advanced Search V
	Voucher Code	Alias	Package Name	Price	Period	Created at	Activated at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
	vjdepm		421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	j7emqp		421		Unlimited	2021-06-03 10:45:50			0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	n4qbpe		421		Unlimited	2021-06-03 10:45:50			0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	a7dxpk	-	421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	apzezq	-	421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	lvzxd6	-	1	12.00	2 Hours	2021-03-11 17:32:44	2	-	0/3	Yes	0 MB/1.00 GB	Unlimited	Unlimited	Not Activated
	p3wfo3	-	1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 MB/1.00 GB	Unlimited	Unlimited	Not Activated
	d5slqp	-	1	12.00	2 Hours	2021-03-11 17:32:44		-	0/3	Yes	0 MB/1.00 GB	Unlimited	Unlimited	Not Activated
	xq8ned		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 MB/1.00 GB	Unlimited	Unlimited	Not Activated
	aqpioi	-	1	12.00	2 Hours	2021-03-11 17:32:44		-	0/3	Yes	0 MB/1.00 GB	Unlimited	Unlimited	Not Activated
					F	irst Previous Page	1 of 11	Next	Last					10 . 104 in tota

Voucher code: Displays the voucher code.
Alias: Displays the description of voucher package.
Package Name: Displays the package name.
Price: Displays the price of voucher package.
Created at: Displays the time a voucher was created.
Activated at: Displays the time a voucher was activated.
Devices: Displays the online device for the voucher.
Bind MAC: Displays bind MAC address or not.
Period: Displays the maximum valid time of voucher code.
Data usage: Displays the maximum a mount of data transfer and current used data.
Download Speed: Displays the maximum upload speed.
Upload Speed: Displays the maximum upload speed.

Print voucher

32 V Search Network Q		(GMT+8:00)Asia/Hong_Kong Manage Project Take
Voucher > Print Voucher		
Print Configuration Quantity 5 Alias	Profile Information on Vou You can select at most 4 parame Package Name 1 Concurrent Devices 3	cher eters for the voucher. Bind MAC Yes Period 2 Hours Develoed Second
* Package // Manage Pa	Loo GB	Unlimited
1	Preview	
Logo	Clear	RUTTE
default Text	v	oucher Code
Hello World	2/40	XXXXXX
Print Method		Hello World
Print in 2 Columns (A4)	\sim	

Quantity: Enter the quantity of voucher to print.

Alias: Enter the description of voucher.

Package: Select the package of voucher.

Logo: Select or upload the logo to print the voucher(default is Ruijie Cloud).

Text: Enter the text of voucher.

Print Method: Select the column to print the voucher.

Profile Information on Voucher: Select the parameters for voucher.

Preview: Preview the print result.

Export the vouchers in .xls format

Depleted	l Vouchers	@:0			(Voucher Co	ode, Alias, I	Pack: Q A	O 🗹 🚦	t ▼ 8 arch ∧
Keywo	ord		Created a	at		Expired at		Sea	rch Res	set
weber Code	Alias	Dackage Mame	l Drine	Barad	Created at	Antiestad at	Euriped at	Devices	Red MAC	Dat
videpm	-	421	- Hite	Unlimited	2021-06-03 10:45:50	- Activated at		0/1	Yes	0 ME
j7emqp		421		Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 M
n4qbpe		421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 N
a7dxpk	-	421	-	Unlimited	2021-06-03 10:45:50	-	2	0/1	Yes	0 N
apzezq		421		Unlimited	2021-06-03 10:45:50			0/1	Yes	0 1
NZX0b			12.00	2 Hours	2021-03-11 17:32:44	-		0/3	Yes	0 N
dision		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0.1/
xo8ned		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 M
acpioi		1 1	12.00	2 Hours	2021-03-11 17:32:44	*		0/3	Yes	0 N
njoecb		1	12.00	2 Hours	2021-03-11 17:32:44	2 C	÷	0/3	Yes	0 M
hpowj3		1	12.00	2 Hours	2021-03-11 17:32:44	-	2	0/3	Yes	0 N
po8s84		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 N
15tqwf		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 N
satode		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 M
30ik34		-	12.00	2 Hours	2021-03-11 17:32:44			U/3	Yes	0 N
lunn8x		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0.0
3lr4ix	-	1	12.00	2 Hours	2021-03-11 17:32:44	-	-	0/3	Yes	0 M
zwej8m		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 N
y3tylu		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 N
fcupky		1	12.00	2 Hours	2021-03-11 17:32:44	-		0/3	Yes	0 N
aim da a		1	12.00	2 Hours	2021-03-11 17:32:44	-		0/3	Yes	0 N
qizyng		1	12.00	2 Hours	2021-03-11 17:32:44			0/3	Yes	0 N
cfwoip			12.00	2 Hours	2021-03-11 17:32:44	-	-	0/3	Yes	0 M
cfwoip sut23p	-		10.00	0.11	0004 00 44 47 00 11				X ee	() N
cfwoip sut23p kwbu44			12.00	2 Hours	2021-03-11 17:32:44			0/3	Tes	0 10
cfwoip sut23p kwbu44 ziljtx	:		12.00 12.00	2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44	-		0/3	Yes	0 N
cfwoip sut23p kwbu44 ziljtx habiek	-		12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44		-	0/3 0/3 0/3	Yes Yes	0 N 0 N
cfwoip sut23p kwbu44 ziljtx habiek Ic8ugx h8nazo	-		12.00 12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44			0/3 0/3 0/3 0/3	Yes Yes Yes Yes	0 N 0 N 0 N 0 N
cfwoip sut23p kwbu44 ziljtx habiek Ic8ugx h8pazg 2li8w	-	1 1 1 1 1 1	12.00 12.00 12.00 12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44		-	0/3 0/3 0/3 0/3 0/3 0/3	Yes Yes Yes Yes Yes	0 M 0 M 0 M 0 M 0 M
dizyng sut23p kwbu44 ziljtx habiek Ic8ugx h8pazg 2ti8vy 6wdob			12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44			0/3 0/3 0/3 0/3 0/3 0/3 0/3	Yes Yes Yes Yes Yes Yes	0 N 0 N 0 N 0 M 0 M 0 M
dizyng cfwoip sut23p kwbu44 ziljtx habiek lc8ugx h8pazg 2ti8vy 6wvlob zwg3eu	-		12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44		- - - - -	0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3	Yes Yes Yes Yes Yes Yes Yes Yes	
dizyng cfwoip sut23p kwbu44 ziljtx habiek Ic8ugx h8pazg 218y 6wvlob zwg3eu 3hpxyr	-		12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00 12.00	2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours 2 Hours	2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44 2021-03-11 17:32:44	- - - - - - - - - - -	- - - - - - -	0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3 0/3	Yes Yes Yes Yes Yes Yes Yes Yes Yes	0 N 0 N 0 N 0 N 0 M 0 M 0 M 0 M 0 M

3.4 Account

Voucher authentication on Ruijie Cloud allows you to charge users for wireless network access using username/password. Concurrent users, time period and data quota limit can be customized and offer to your guests.

Click **AUTHENTICATION** > **Account** > **Manage Profile** to configure access policy for the account.

32 ∨	Search Network Q					
Acco	punt					
Add Ad	ccount Manage Profi	e More -	Total Accounts: 0	Activated Accounts: 0	Depleted Accounts	Ø:0

Click Add Profile to add the profile.

Add Profile			×
Profile Name		*	
Description			
Concurrent Devices	3	~	
Period	30 Minutes	~	
Data Quota	100 MB	~	
Download Speed	Unlimited	~	
Upload Speed	Unlimited	~	

Package Name: Enter the package name.

Description: Enter the description of account profile.

Concurrent Devices: Select the concurrent devices for 1 account.

Period: Select the maximum valid time of account.

Data Quota: Select the maximum a mount of data transfer.

Download Speed: Select the maximum download speed.

Upload Speed: Select the maximum upload speed.

Account list

32 V Search	Network	Q							(GMT+8:00)Asia/H	ong_Kong Manage	Project Take over Netw	vork Unbind Devi
Account												⊙ ₫ #•
Add Account	Manage	Profile	re 👻 🔵 Total Ad	ccounts: 1 🛛 🔵 Ac	tivated Accounts: 0 🛛 🔴 De	pleted Accounts	@:0				Account	
Account	Alias	Password	Profile Name	Period	Created at	Expired at	Devices	Data Usage	Download Speed	Upload Speed	Status	Action
C test	test	······ ~	13	30 Minutes	2022-02-28 20:32:17	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	КОЙ

Account: Displays the account.

Alias: Enter the description of account.

Password: Displays the password.

Profile Name: Displays the profile of account.

Period: Displays the maximum valid time of account.

Created at: Displays the time a account was created.

Expired at: Displays the time a account was expired.

Devices: Displays the online device for the account.

Data usage: Displays the maximum a mount of data transfer and current used data.

Download Speed: Displays the maximum download speed.

Upload Speed: Displays the maximum upload speed.

Status: Displays the status for the account.

Action: Click a button to perform the action: Edit, Reset, Delete.

Add Account

Add Account		
Step1: Select the profile.		
Profile	13	~
Step2: Download and fill in the de	ce information in the template	.Up to 500 records can be imported each
time.		
Account and Password fields are i	equired. Alias field is optional.	
Please enter less than 32 characte	rs, consisting of letters, numbe	ers or underscores.
		\forall
Un	ad Template File Downlo	ad Template
A de la Anna		
Add an Account		Cance

Step1 Select the profile.

Step2 Add the accounts.

Support add accounts by manual or batch import.

Download template, edit it and upload template file.

Account	Password	Alias
test2	test2	22
test3	test3	33
test4	test4	44

Account @	test1 * Descript	tion: 231
Password ©	test1 Max Cor Period: 3	ncurrent Devices: 3 30 Minutes
Profile	13 Data Qu Downloa	iota: 100 MB ad Speed: Unlimited
Alias	11 Upload S	

ase enter less th	nan 32 characters, consisting of letters, nur	mbers or underscores.
	Message	×
	Succeeded to import 3 accounts.	k la
	ОК	
	Upload Template File	wnload Template

Export the accounts in .xls format

				12	€ 🛃 # •	K.7 K.9					
				Account	(۵]					
Account	Alias	Password	Profile Name	Period	Created at	Expired at	Devices	Data Usage	Download Speed	Upload Speed	Status
test1	11	test1	13	30 Minutes	2022-03-01 14:22:48		0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated
test4	44	test4	13	30 Minutes	2022-03-01 14:19:43	•	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated
test3	33	test3	13	30 Minutes	2022-03-01 14:19:43		0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated
test2	22	test2	13	30 Minutes	2022-03-01 14:19:43		0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated
test	test	123456	13	30 Minutes	2022-02-28 20:32:17	121	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated

3.5 Easy Sharing

Vouchers, accounts and PPSK can be shared and managed by Easy Sharing (Share the link to customers so that they can easily manage accounts).

Click **AUTHENTICATION > Easy Sharing > Share** to create the sharing link.

32 V Search Network Q			(GMT+8:00)Asia/Hong_Kong Manage Project	Take over Network Unbind Device
PPSK Voucher	Account			
PPSK Sharing List				0 S
				count Q Search
Network Name	Account	Status	WiFi Keys	Action
32	No Account	Not Shared	1	
	First Previous Page	1 of 1 Next Last		Share 1 in total

Select the type of the sharing link including PPSK, Voucher and Account.

Easy Sharing	×
Share the following link to others so that they can manage the PPSK, the voucher, the as well.	ne account
Type PPSK Voucher Account	
Link http://cloud-as.ruijienetworks.com/admin3/eSharing/confirm?cod	
	Сору

Copy the link and access another account. Click **Accept**.

Accept Sharing
Invite you to manage the network authentication! After acception, you can manage the authentication type of network. Try it now!

Check whether the account can manage the authentication type of network or not.

PPSK

A abc	32 V Search Network Q				
	Tin: Please disable Private MAC whe	using PPSK on iOS 14			
Voucher	TIP. I lease disable i fivale mato wite	rusing i rok unitoo iy.			
Account	PPSK @				
	Add Delete			Account	Client MAC
	Account	Client MAC	WiFi Key	Created at	Action
	test1	a25b.3a33.5bcd	пр8хм9мс	2021-05-20 20:09:11	

Voucher

	32 ~ [Search Networ	k Q												
PPSK	Vouch	ner													• ₫ #+2
Voucher Account	Print Vo	ucher Mar	age Packa	age ⑦ More +	🔵 🔵 Tota	I Vouchers: 104	Activated Vouchers: 0	Depleted V	∕ouchers ⊘ :	0			Voucher Code, Al	ias, Packi Q	Advanced Search N
		Voucher Code	Alias	Package Name	Price	Period	Created at	Activated at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
		vjdepm	1	421		Unlimited	2021-06-03 10:45:50	-		0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
		j7emqp	-	421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
		n4qbpe	-	421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated
		a7dxpk	-	421	-	Unlimited	2021-06-03 10:45:50	-	-	0/1	Yes	0 MB/100 MB	Unlimited	Unlimited	Not Activated

Account

A abc som ∨O AUTHENTICATION	32 V Search Netwo	k Q										
PPSK Voucher	Account Add Account Man	age Profile Mor	e 👻 💿 Total Ac	counts: 5 • Ac	tivated Accounts: 0 🔴 De	pleted Accounts	s @ : 0				Account	⊕ ⊭ ₩ ▼
Account	Account Alia	s Password	Profile Name	Period	Created at	Expired at	Devices	Data Usage	Download Speed	Upload Speed	Status	Action
	test1 11	······ 🗸	13	30 Minutes	2022-03-01 14:22:48	-	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	直 2 回
	test4 44	······ 🖌	13	30 Minutes	2022-03-01 14:19:43		0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	L Q L
	test3 33	······ ~	13	30 Minutes	2022-03-01 14:19:43	÷	0/3	0 MB/100 MB	Unlimited	Unlimited	Not Activated	ШQШ

4. Advanced

4.1 Batch CLI Config

Click ADVANCED > Batch CLI Config > Add to

Note: The function is only	supported on RGOS of	levices.				
Batch CLI Config Sta	atus <u>How to batch co</u>	nfigure CLI commands?				
Batch CLI Config						· · · · · · · · · · · · · · · · · · ·
Apply Apply All Return			Gateway	✓ Firmware Version	Model	Q Search
Status N	etwork Description	SN	AC Switch	irmware Version		Model
🗌 🥥 Online	32	H1P(Gateway EG_RG	OS 11.9(1)B11S3, Release(07242723)		EG2100-P

Batch Customize CLI Commands						×
Select the application time	(Note: If no time is	s selected, the configura	tion will be applie	ed immediately.)	
CLI Set]					
Description						
Copy CLI Set						
show sho_interface						
Сору						
					Apply	Save as New Set Clear
Note: The function is only supported on RGOS devices.						
Batch CLI Config Status How to batch configure CLI	commands?					84 × 53
Add						
Time		Quantity	Success	Failure	Command	Action
2022-03-02 11:10:00		1	1	0	Check	Result Stop
Batch CLI Config Result						84 ¥ 53
Export						
Network Description 32	SN H1P	EG_RGOS 11.9(1)B11S3, Release(0724	Firmware Version 2723)		Model EG2100-	P Succeeded
	First Pr	evious Page 1 of 1	Next Last			10 a 1 in total

Click **Export** to export the result in .xls format.

		v	U	1	5	R	Q	P	0	N	M	L	K	J	1	н	G	F	E	D	С	В	V	Г
																	lt	Echo resul	Software	Model	Remark	÷	Nam Si	G
172.26.5.195/22		net 0/0	gabitEther	tocol Gig	Pro		Status	Sec)	-Address (I	dress(Pri)	IP-Ad				Interface	ip in bi	user#sho	EG_RGOS 1	EG2100-F	00	P601K	H	3
		1180 0/0	Sapi es ener	00001 012	110		Deacus	560)	Hadd 655 (ul 633 (111/	II HG				1110011400	ip m o.	. UD DI #0110 .	20_1000 1	202100 1	.00	II OVING		Ů

Displays the CLI result on the file.

4.2 Customize CLI Set

Click **ADVANCED > Customize CLI Set > Add** to customize a CLI demo.

Note: The function is only supported on RGOS de	evices.	
+ Add	sho run	
		🗹 Edit 🛛 💼 Delete

To add a new command set, click Add, enter the set name and commands, and click Save.

Add	×
sho_interface	
sho ip in b	
	11
sho interface	
Copy CLI Set	
show	
Copy	
Save Clea	r

If the CLI command is same as another one, you can select the CLI Set and click copy.

* Note:

The function is only supported on RGOS devices.

4.3 AP VLAN

Ruijie Cloud supports configuring the port VLAN of the panel AP.

Configuration Guidance

Training V > REYEE V Search Network Q			(0	GMT+8:00)Asia/Hong_Kong Manage Project
AP Port VLAN				
Note: The LAN port configuration is only supported on particular terms of the support of the sup	anel EAP/RAP in AP mode with P32 or a hig	ner vesion.		
Model:	RAP1200(F)			~
Device:				
	Device alias, SN or IP Q (1	Selected)		Display Never Configured Devices
	Alias SI RAP1200F G1QI	I IP 192.168.110.205	Model RAP1200(F)	Last Configuration Time Not Configured
Configuration	Port Typ	e Access		
		D 50		
	Selected Por	s LAN		
	Selected Net Sole	eted		
	Selected Not Sele	cted	LAN	
		Clear	Apply	
AP Port VLAN				
Note: The LAN port configuration is only supported on pane	el EAP/RAP in AP mode with P32 or a higher v	esion.		
Model:	RAP1200(F)			~
Device:	Device alias, SN or IP Q (1 Selec	ted)	Dis	splay Never Configured Devices
			Model	Last Configuration Time
	R/A RA		RAP1200(F)	2022-03-02 15:19:30
Configuration				
	Port Type	Access		~
	VLAN ID	50		
	Selected Ports	LAN		
	Selected Not Selected			
		LAN		
	L			

Model: Select the model of AP: RAP1200(F) or RAP1200(P).

Device: Select the device to which the configuration needs to be delivered.

Port Type: Select the port type: access or trunk .

VLAN ID: Enter the VLAN ID for the port.

Selected Port: Click to select the port to which the VLAN ID needs to be delivered.

Apply && Clear: Apply the configuration to device or clear the configuration.

Access to the AP's eWeb and check the VLAN ID and port VLAN configuration.

Overview Basics Vir	eless 🌱 Advanced 🗎	Diagnostics 🌱 Systen	1 ×				
LAN Settings Port VLAN							
1 LAN Settings							
Port VLAN							
LAN Settings						+ Add	Delete Selected
Up to 4 entries can be adde	ed.						
		VLAN ID			Remark		Action
		50			1.5		Edit Delete
Overview -	Basics ~	Wireless \checkmark	Advanced ~	Diagnostics ~	System ~		
LAN Settings	Port V	LAN					
Port V Please	/LAN choose LAN	Settings to crea	ate a VLAN first a	nd configure port	settings based	on the VLAN.	
Port VLA	N						
Connect	ed 💼 D	lisconnected					
				Port 1			
VLAN	1(WAN)			Not Joi	/		
v	'LAN 50			UNTAG	/		

Maintenance Guidance

1. Log

1.1 Operation Log

Operation Log records all operation info.

Ruijie		MAINTENAN					• • • • •	•
(A) a ti.com ∨ ⊟ LOG	Operation Log 🛛				Started at	Time Foded at	⊖ # - :	8
Operation Log	Time	Operator	Type	Description	Result	Result Description	Action	•
Llogrado Log	2022-03-21 07 52 19	test test	Login	A Login succeeded	Success	OK.		
opjiace cog	2022-03-21 07 52 18	test test	Login	Login succeeded	Success	OK.		
17 UPGRADE	2022-03-21 00:38:39	test test	Login	Login succeeded	Success	OK.		
Upgrade ⁴	2022-03-21 00:38:39	test test	Login	Login succeeded	Success	OK.	E	
Firmware	2022-03-20 21 13:13	test test	Device	Account [] unbind the device [G 647] of tenant []	Success	Unbind device success!	E	
	2022-03-20 21:12:53	test test	Login	Login succeeded	Success	OK.	E	
	2022-03-20 21 12:53	test test	Login	Login succeeded	Success	OK.	B	83
	2022-03-20 15 37 00	test test	Login	Login succeeded	Success	OK	12	P
	2022-03-20 15:37:00	test test	Login	Login succeeded	Success	OK.	E	0
	2022-03-20 13:46:49	test test	Login	Login succeeded	Success	OK.	(E)	
				First Previous Page 1 of 423 Next Last			10 - 4226 in tota	al

Time: Displays the time of operation.

Operator: Display the account who do the operation.

Type : Including All, Login, Device, Network, Diagnose, Radio Plan, Roaming, Load Balance, Alarm Setting, Config, Upgrade, MTFI Device, SIM, Tunnel, Gateway, Voucher, PPSK, Easy Sharing.

Description: Displays the detail description of operation.

Result: Displays the result of operation.

Result Description: Displays the result description of operation.

Action: Displays all information of this operation.

1.2 Config Log

Config Log lists down the status of device configuration. If the device stuck on not sync state, user can check the configuration delivery status by clicking the detail button. There are two view mode: Action View and Device View.

Action View: Base on the operation Type to list down the Config log.
Ruijie 🛆	MONITORING CONFIGURATIO	N MAINTENANC	•				# 000	э•
.og	Config Log 🛛	-						
peration Log onfig Log ograde Log	Action View	Device View						
PGRADE pgrade ⁴ mware	Action View				Recent Log V	222(03/06 23:02:03 🔯 2022/0	• #•	8
	Operation Type	Started at	Ended at	Status	Devices	Result	Description	
	+ Switch device group	2022-03-15 22 52 36	2022-03-15 22:52:54	Complete	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/0	Device: H1P601K00584A; Group i	
	+ Configure device name	2022-03-15 22:52:36	2022-03-15 22:52:48	Complete	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/0		
	Update RLDP config	2022-03-15 22:47:56	2022-03-15 22:49:37	Complete	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/0	Device [G1PH50H000338], global	
	+ Configure SVI	2022-03-15 22:31:24	2022-03-15 22:34:10	Complete	Total/Offline/Not Online Yet: 1/0/0	Success/Failure: 1/0 In progress/Scheduled/Complete: 0/0/0	Device [G1PH50H000338], delete t	
	+ Add device group on EasyNetwork	2022-03-14 10:20:04		Incomplete	Total/Offline/Not Online Yet: 0/0/0	Success/Failure: 0/0 In progress/Scheduled/Complete: 0/0/0	New device group: test	
	+ Add device group on EasyNetwork	2022-03-14 09:29:04		Incomplete	Total/Offline/Not Online Yet: 0/0/0	Success/Failure: 0/0 In progress/Scheduled/Complete: 0/0/0	New device group: 333333	
	+ Update EasyNetwork wireless config	2022-03-10 13:53:09		Incomplete	Total/Offline/Not Online Yet: 7/1/3	Success/Failure: 3/0 In progress/Scheduled/Complete: 0/0/0	Config: EG_auth_test_Auto Gener	P
	+ Batch update apartment SSIDs	2022-03-10 13:25:57		Incomplete	Total/Offline/Not Online Yet: 7/1/3	Success/Failure: 3/0 In progress/Scheduled/Complete: 0/0/0	Config name: [EG_auth_test_Auto	0
	Undete Constitutioninations config	2022-03-10 13:25:57		Incomplete	Total/Offline/Not Online Yet: 7/1/3	Success/Failure: 3/0 In progress/Scheduled/Complete: 0/0/0	Config: EG_auth_test_Auto Gener	
	Opdate EasyNetwork wreless coning							

							Recent Log V 2022/03/14 08:07	22 2022/03/21 05/07/22 2	Q Sea
	Operation Type	Started at	Ended at	Status	Devices		Result	Description	
Jpdate EasyNe	twork wireless config	2022-03-19 21:06	58 li	ncomplete	Total/Offline/Not Online Yet 4	1/1/0	Success/Failure: 3/0 In progress/Scheduled/Complete: 0/0/0	Config: Cloud_Auth_Test_Auto Ge	
IN .) [CQ Search				
	ŚN	Started at	En	ided at	Result		Con	fig	Actio
G10	197B	2022-03-19 21 06 58	2022-03	-19 21:06:59	Succeeded				
G1C	384A	2022-03-19 21:06:58	2022-03	-19 21:07:00	Succeeded				
G1C	036C				Offine				0
	1744	3032 03 10 31 06 58	2022-03	10 21 07 02	Succeeded				50

+: Displays the device SN and the start time, end time, result.

Operation Type: Including Edit Config, Delete Config, Apply Config, Change Config, Initial online of the device, Upgrade device, Change network and so on.

Start at: The start time of the configuration.

End at: The end time of the configuration.

Status: Displays the result of configuration, complete or incomplete.

Result: Displays the configuration result, success/failure, In progress/Scheduled/Complete.

Description: Displays all information of this configuration.

Device View: Base on the device SN to list down the Config log.

Ruíjie 🙆	MONITORING	CONFIGURATION	MAINTENANCE						🔮 a e e e e
 A stockelp@ttt.com ∨ B LOG Operation Log Config Log Unscade Log 	Config Log e	EGO View	Libo Device View						
6 ⁹ UPGRADE Upgrade ⁴ Firmware	Device View		Counting Tong	Dorbal at		Ended at		SN	O II • X Q Advanced Search ∨
	GIOH	44	Update Earthietwork wireless config	2022-03-19 21 0	06.58	2022-03-19 21 07 00	Succeeded	Config Cloud_Auth_Test_Auto Ge	III (
	HIPT	'46	Update EasyNetwork wireless config	2022-03-19 21.0	06.58	2022-03-19 21.07.02	Succeeded	Config: Cloud_Auth_Test_Auto Ge	0 0
	G1QE	360	Update EasyNetwork wireless config	2022-03-19 21 0	09:58		Offine	Config: Cloud_Auth_Test_Auto Ge	
	010	978	Update EasyNetwork wineless config	2022-03-19 21 0	06.58	2022-03-19 21:06:59	Succeeded	Config: Cloud_Auth_Test_Auto Ge	E
	CAP	1191	Update CWMP period	2022-03-18 17:2	26:08		Offine	CWMP period: 180	
				Fest Previous Page	e 1 of 1	Next Last			10

Device SN: Displays the SN of the device.

Operation Type: Including Edit Config, Delete Config, Apply Config, Change Config, Initial online of the device, Upgrade device, Change network and so on.

Start at: The start time of the configuration.

End at: The end time of the configuration.

Status: Displays the result of configuration: Executing, Succeeded, Failed, Offline, Scheduled, Aborted, Never online.

Description: Displays all information of this configuration.

Action: Displays the Config Item and result.

onfig Execution List				د
All	×]		11.0	Q, Search
Config Item SSID Settings;(Apply All)	Started at 2022-03-19 21:06:58	Ended at 2022-03-19 21:07:00	Status Succeeded Success	Message
	First Previous	Page 1 of 1	Next Last	10 • 1 in total

1.3 Upgrade Log

Devices firmware upgrade history will be listed on this page.

	MONITORING CONFIGURATIO	MAINTENANCE *					P © © © •
A → →	Upgrade Log			S	Started at	Ended at	০ ল ≠ হয় Q Search
Operation Log Config Log	Operator Description	Target Version	Process	Time Range	Created at	Result (Success/Failure/Aborte	d) Action
Upgrade Log	Upgrade 1 selected device(s)	ReyeeOS 1.56.1325	1/ 1	00:00-23:50	20 38:58	1/0/0	<u> </u>
	Upgrade 1 selected device(s)	ReyeeOS 1.56.1325	1/ 1	00:00-23:50	20 18:51	1/0/0	
B) OI OICHDE	Upgrade 1 selected device(s)	ReyeeOS 1.77.1321	1/ 1	00:00-23:50	20 5:31	1/0/0	<u>e</u> <u>a</u> <u>e</u>
Upgrade *	Upgrade 1 selected device(s)	ReyeeOS 1.75.2429	1/ 1	00:00-23:50	20 21:11	1/0/0	
Firmware	Upgrade 1 selected device(s)	ReyeeOS 1.56.1306	1/ 1	00:00-23:50	20 14:43	0/1/0	<u>e</u> <u>s</u>
	Upgrade 1 selected device(s)	ReyeeOS 1.77.1321	1/ 1	00:00-23:50	20 0:25	1/0/0	
	Upgrade 1 selected device(s)	ReyeeOS 1.77.1321	1/ 1	00:00-23:50	20 2:05	1/0/0	<u>e a</u> <u>a</u>
	Upgrade 1 selected device(s)	ReyeeOS 1.56.1306	1/ 1	00:00-23:50	20 1:19	1/0/0	
	Upgrade 1 selected device(s)	ReyeeOS 1.75.2429	1/ 1	00:00-23:50	20 14:05	1/0/0	
	Upgrade 1 selected device(s)	AC_RGOS 11.9(5)B1, Release(06240613)	1/ 1	00:00-23:50	20 9:46	1/0/0	0 <u>0</u>
		First Pravious P	age 1 of 2 Nex	d Last		C	10 🔺 19 in total

Operator: Displays the account who do upgrading.

Description: Displays the upgrade device information

Target Version: Displays the upgrade version.

Process: Displays the upgrade process.

Time Range: Displays the upgrade time.

Created at: Displays the start time of the upgrading.

Result: Displays the upgrading result, Success/Failure/Aborted.

Action: Detail, Abort, Retry.

2. Upgrade

2.1 Upgrade

Ruijie Cloud support devices firmware online upgrade, and it allows network administrator to utilize the latest features and security enhancements for their Ruijie devices. Online upgrade feature allows admin to easily schedule firmware upgrade on their networks, view firmware releases.

Ruíjie	MONIT	ORING	CONFIGU	RATION	MAINTENANCE						🗳 a 🔹	
 A abcdefg@111.com ∨ B LOG 	ALL V	Search Net	work Q		<u> </u>					(GMT+8:00)Asia/Hong_Kong Manage Project Ta	ake over Network	bind Device
Operation Log	Тор	Versions							Firmware Version List		Firmware Version	Q
Config Log										Firmware Version		Devices
Upgrade Log							11 0/1101102		UNKNOWN			4
5 UPGRADE						ReveeOS 1	.61.1915		AP_RGOS 11.1(9)B1P21, Release(06211815)			3
Upgrade ⁶						SWITCH_3.	.0(1)B11P31,		S5700H_RGOS 11.4(1)B70P1			3
Firmware						AP_RGOS 1	11.9(6)B1, Re		S29_RGOS 11.4(1)B70P1			3
						ReyeeOS 1	.75.2429		Prev	ous Page 1 of 5 Next		
												Ē
												6
	Devi	ice List									0	#E + 50
	Upgra	ide Upgrad	le All 0 Se	elected						SN, Alias, Descriptio	n Q Advanced	I Search \vee
		Status	s	N	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
		Online 📀	G1PF	747	test123	NBS3100	NBS3100-24GT4SFP-P	1.01	SWITCH_3.0(1)B11P31,Release(08130616)	ReyeeOS 1.72.2130		Upgrade
		🕑 Online	G1QF	634	test123	AP1	RAP2260(E)	1.00	ReyeeOS 1.75.2429	ReyeeOS 1.75.1318		Upprade
		🕗 Online	H1F	-84A	111111111111111	EG2100-P	EG2100-P	3.20	EG_RGOS 11.9(1)B11S3, Release(07242723)	EG_RGOS 11.9(1)B11S3, Release(08230300)		Upprade
		Online	CA	5076	EST	EST1	EST310	1.00	AP_3.0(1)B2P28,Release(07220919)			Upprade
		📀 Online	G1	90	EG2100	Ruijie	AP180	2.00	AP_RGOS 11.9(4)B1, Release(06242719)			Upgrade
		🕙 Online	G1	7C	AC	AC11	WS6008	1.22	AC_RGOS 11.9(5)B1, Release(06240613)			Upgrade
		📀 Online	12	45	Router RAP	AP710	AP710	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)			Upgrade
		🥏 Online	G.	В	Router RAP	AP720-L	AP720-L	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)			Upgrade
		Online	H1	32	test123	EG105GW	EG105GW	1.10	ReyeeOS 1.55.1915			Upgrade
		Online 📀	G1	360	RyeeNetwork1_Auto	ReyeeHomeRouter	EW1200G-PRO	1.00	ReyeeOS 1.77.1321	-	This is a description	Upgrade

Top Versions

Displays the top versions of your network devices.



Firmware Version List

Displays the firmware version of your network devices.

FILLIWATE VEISION LISU		Firmware Version	Q
	Firmware Version		Devices
ReyeeOS 1.75.1320			2
ReyeeOS 1.56.1325			2
EG_RGOS 11.9(1)B11S3, Release(7242723)		2
ReyeeOS 1.75.2429			1
	Previous Page 2 of 5 Next		

Device List

You can select one or multiple device to upgrade. Click **Upgrade All**, can upgrade all device at the same time.

Devie Upgrad	ce List le Upgrade A	0 Selec	ted						SN, Alias, Description	C III + 25 E
	Status	SM	4	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description Action
	Online	G1F	7747	test123	NBS3100	NBS3100-24GT4SFP-P	1.01	SWITCH_3.0(1)B11P31,Release(08130616)	ReyeeOS 1.72.2130	Upgrade
	Online	G1C)0534	test123	AP1	RAP2260(E)	1.00	ReyeeOS 1.75.2429	ReyeeOS 1.75.1318	Upgrade
	Online	H1F	584A	1111111111111111	EG2100-P	EG2100-P	3.20	EG_RGOS 11.9(1)B11S3, Release(07242723)	EG_RGOS 11.9(1)B11S3, Release(08230300)	Upgrade
	Online	CAF	5076	EST	EST1	EST310	1.00	AP_3.0(1)B2P28,Release(07220919)	-	<u>Upgrade</u>
	Online	G1N	8490	EG2100	Ruijie	AP180	2.00	AP_RGOS 11.9(4)B1, Release(06242719)		Upgrade
	Online	G1F	127C	AC	AC11	WS6008	1.22	AC_RGOS 11.9(5)B1, Release(06240613)	-	Upgrade
	🕑 Online	123	345	Router RAP	AP710	AP710	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)	7. E	Upgrade
	Online	G1L	30B	Router RAP	AP720-L	AP720-L	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)		Upgrade
	Online	H1F	9402	test123	EG105GW	EG105GW	1.10	ReyeeOS 1.55.1915		Upgrade
	Online	G1C	197B	Cloud_Auth_Test	RAP2200F	RAP2200(F)	1.10	ReyeeOS 1.75.1320	-	Upgrade
						First Previous	Page 1 of 4	Next Last		10 a 32 in total

* Note:

If you select up to two devices to do upgrade, need choose same type device. And only one project devices can be upgraded at the same time.



If there are new firmware, will show the recommend firmware here.

l Devi	ce List								0 ≣-	- 8
Upgra	le Upgrade All	1 Selected						SN, Alias, Descrip	tion Q Advanced Searc	:h ~
	Status	SN	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description Actio	on
	📀 Online	G1PHCAA047747	test123	NBS3100	NBS3100-24GT4SFP-P	1.01	SWITCH_3.0(1)B11P31,Release(08130616)	ReyeeOS 1.72.2130	Upgra	ade

You can click **Upgrade > Start Upgrade** to upgrade to latest firmware.

Upgrade	×
Check in Maintenance > Log >Upgrade Log	Start Upprade Cancel
Model: NBS3100-24GT4SFP-P Hardware Version: 1.01 Current Version: SWITCH_3.0(1)B11P31,Release(08130616)	×
Upgrade Version: ReyeeOS 1.72.2130 Firmware Details V Upgrade Device: 1	Select Firmware
□ Scheduled Upgrade Advanced Settings ∨	
	Start Upgrade Cancel

2.2 Firmware

Version Details

On this page showing all your device models on your account, if there is recommend version you can click

Go To Upgrade to upgrade that model deivces.

IJIE	MONITORING CONFIGURATION	MAINTENANCE •				69 © C 🔒
lg@111.com ∨	Version Details Private Firmware					
ion Log						0 II
.og						Model, Current Version, Harc
e Log	Model	Current Version	Hardware Version	Devices	Recommended Version	Action
DE	EG2100-P	EG_RGOS 11.9(1)B11S3, Release(07242723)	3.20	2	EG_RGOS 11.9(1)B11S3, Release(08230300)	Go To Upgrade
6	RAP2260(E)	ReyeeOS 1.75.2429	1.00	1	ReyeeOS 1.75.1318	Go To Upgrade
e	RAP6260(G)	ReyeeOS 1.61.1915	1.00	1	ReyeeOS 1.75.1318	Go To Upgrade
_	AP680(CD)	AP_RGOS 11.9(6)B1, Release(07222918)	1.10	1	AP_RGOS 11.9(4)B2, Release(06242719)	Go To Upgrade
	S2910-24GT4SFP-UP-H	S29_RGOS 11.4(1)B70P1	3.90	2		Go To Upgrade
	WS6008	AC_RGOS 11.9(5)B1, Release(06240613)	1.22	1	*	Go To Upgrade
	EG105G-P	ReyeeOS 1.56.1325	1.30	1	2	Go To Upgrade
	85750C-28SFP4XS-H	S5700H_RGOS 11.4(1)B70P1	1.70	1		Go To Upgrade
	EG105G-P	ReyeeOS 1.56.1325	1.41	1	-	Go To Upgrade
	S5750C-28GT4XS-H	S5700H_RGOS 11.4(1)B74P1	1.00	1	2	Go To Upgrade
		First Previous	Page 1 of 3 Next	Last		10 - 26

Devid	ce List								0) == - 51
Upgrad	le Upgrade /	0 Selected						SN, Alias, Description	Q Advance	ed Search 🔿
						Key SN, All	as, Description Model EG2100-P	Current Version EG_RGOS 11.9(1)B11S3, F	Reset	Search
	Status	sn sn	Network	Alias	Model	Hardware Version	Current Version	Recommended Version	Description	Action
	Online	H1P601K00584A	1111111111111111	EG2100-P	EG2100-P	3.20	EG_RGOS 11.9(1)B11S3, Release(07242723)	EG_RGOS 11.9(1)B11S3, Release(08230300)		Upgrade
	Offline	H1P601K009418	111	ruijieEG	EG2100-P	3.20	EG_RGOS 11.9(1)B11S3, Release(07242723)	EG_RGOS 11.9(1)B11S3, Release(08230300)		Upgrade
					First	revious Page 1	of 1 Next Last		10 -	2 in tota

Upgrade	×
Check in Maintenance > Log >Upgrade Log	Start Upgrade Cancel
Model: EG2100-P Hardware Version: 3.20 Current Version: EG_RGOS 11.9(1)B11S3, Release(07242723) Upgrade Version: EG_RGOS 11.9(1)B11S3, Release(08230300) Firmware Details ∨ Upgrade Device: 1 1	× Select Firmware
□ Scheduled Upgrade Advanced Settings ∨	Start Upgrade Cancel

Private Frimware

When there is private firmware you want to upgrade for a device, you can upload the firmware here first, then upgrade it.

Click Firmware > Private Firmware > Upload Firmware

Ruíjie	MONITORING CONFIGURATION MAI	NTENANCE		🖌 🛛	0 0 0 *
(A) abcdelg@111.com ∨	Version Details Private Firmware	Upload Firmware × Tip: Upload, bin file for RGOS devices and tar.gz for Reyee devices.			
E LOG Operation Log Onling Log Upgrade Log Upgrade 6 Firmware	Utitoad Firmuare Pirmware Version AP_R003 11 (19)5 11721, Release(05211815) E0_R003 11 9(1)5113, Release(07242723) Utitoal Release(07242723)	The upload can the tot House devices and bit git to Heyee devices.	Released at 40 2019-09-18.15.51.51 106 2021-01-22.15.21.21 111	C Primeer Winker, Apstechter Description. 10.4	Action

* Note:

Upload .bin file for RGOS devices and tar.gz for Reyee devices.

Then Click **Upgrade** to upgrade for device.

Ruíjie	MONITO	ORING CO	ONFIGURATION	MAINTENANCE						🥵 🛛 🚳 😵	8
A abcdefg@111.com ∨	ALL \vee	Search Netwo	rk Q					D)	MT+8:00)Asia/Hong_Kong Manage Project Take	e over Network	evice
Operation Log	Тор	Versions						Firmware Version List	Fir	mware Version	ฉ
Config Log								Firmware Ver	sion	Devices	-
Upgrade Log									LoadingPlease walt.		
€ ⁹ UPGRADE					No Ve	ersion Info					
Upgrade 6				<u> </u>	EG_RC	3OS 11.9(1)B11S3					
Eirmware					AP_RC	GOS 11.9(6)B1, Re					
					E Reyee	OS 1.75.2429					
					other						
											-
											0
	1.0										<u> </u>
	Devi	ice List								0 #	- 23
	Upgra	de Upgrade /	0 Selected						SN, Alias, Description	Q Advanced Sear	ch 🗸
		Ftatus	Chi	Network	Alian	Madal	Hardware Version	Current Marsian	Decommonded Varaian	Description Act	ian
		Status	SN G10H8W/Y000524	Network	Allas	Model	1 00	Current version	Recommended version	Description Act	ion
		Online	H1P601K00584A	111111111111111	EG2100-P	EG2100-P	3 20	EG_RGOS 11 9(1)B11S3_Release(07242723)	EG RGOS 11 9(1)B11S3 Release(08230300)	Ung	rade
		Online	CAP91AS015076	EST	EST1	EST310	1.00	AP 3.0(1)B2P28.Release(07220919)		Upg	rade
		Online	G1NQC44048490	EG2100	Ruijie	AP180	2.00	AP_RGOS 11.9(4)B1, Release(06242719)	-	Upp	rade
		Online	G1PHCAA047747	test123	NBS3100	NBS3100-24GT4SFP-P	1.01	ReyeeOS 1.72.2130		Upp	rade
		Online	G1P21J000427C	AC	AC11	WS6008	1.22	AC_RGOS 11.9(5)B1, Release(06240613)		Ueg	rade
		Online	1234942512345	Router RAP	AP710	AP710	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)		Upp	rade
		Online	G1L919900130B	Router RAP	AP720-L	AP720-L	1.15	AP_RGOS 11.1(9)B1P21, Release(06211815)		Lea	rade
		Online	H1PH745119402	test123	EG105GW	EG105GW	1.10	ReyeeOS 1.55.1915		Upg	rade
		Online	G1QH16Q05197B	Cloud_Auth_Test	RAP2200F	RAP2200(F)	1.10	ReyeeOS 1.75.1320	-	Upg	rade

Click **Select Firmware > Private Firmware,** Choose the firmware, click **OK**, finally click **Start Upgrade.**

Upgrade	×
Check in Maintenance > Log >Upgrade Log	
	Start Upgrade Cancel
Model: AP720-L Hardware Version: 1.15 Current Version: AP_RGOS 11.1(9)B1P21, Release(06211815)	×
Upgrade Version: Please select a firmware version.	Select Firmware
Upgrade Device: 1	
Scheduled Upgrade	
Advanced Settings ~	
	Start Upgrade Cancel
Select Firmware	×
Cloud Firmware Private Firmware	
Selected Private Firmware: AP_RGOS 11.1(9)B1P21, Release(06211815) Firmware Versio	on, Applicable Mode
Firmware Version File Size (MB) Applicable Model Released at	Description
AP_RGOS 11.1(9)B1P21, Release(06211815) 22.04 AP-V230::1.21,AP710::1.00,AP710::1.11,AP7 2019-09-18 15:51:51	
First Previous Page 1 of 1 Next Last	10 1 in total
	OK

Upgrade	×
Check in Maintenance > Log >Upgrade Log	
	Start Upgrade Cancel
Model: AP720-L Hardware Version: 1.15 Current Version: AP_RGOS 11.1(9)B1P21, Release(06211815)	×
Upgrade Version: AP_RGOS 11.1(9)B1P21, Release(06211815) Firmware Details V	Select Firmware
Upgrade Device: 1	
Scheduled Upgrade	
Advanced Settings ~	
	Start Upgrade Cancel

Typical Scenario

1. Requirement collection

1.1 Wired requirements

Device	Feature	Description
Gateway	Load balance	/
1	DHCP server	/
//	Band width	/
Switch	VLAN configuration	/
1	PoE	/
1	ACL	/

1.2 Wireless requirements

Device	Feature	Number
AP	Total wireless clients	1200
SSID	Provides different SSIDs to different users	3
Coverage	10 meters with 1/2 walls	/
Roaming	L2 Roaming	/

1.3 Authentication requirements

Туре	Feature	1
Voucher	Provides voucher code to end-users	1100
WPA2-PSK	Provides to staff	90
Account	Provides to manager	10

1.4 Environment information

Site	Number	Description
Building	2	/
Floor	8	/
Room	14	/

Top Time	7:00PM-11:00PM	1
----------	----------------	---

2. Network design

2.1 Topology



2.2 Network Layout

Network layout	Details
IP address	EG WAN interface: ISP provide
VLAN	AP, switch: vlan1
	User1: vlan10
	User2: vlan20
DHCP pool	Device pool(AP and switch): 172.16.1.x/24
	User pool1: 192.168.1.x/24
	User pool2: 192.168.2.x/24

SSID	Voucher SSID:
	WAP2-PSK SSID:
	Account SSID:

2.3 Devices list

Туре	Model	Number
Gateway	EG3250	1
Core Switch	RG5750	1
Access switch	XS-S1920-26GT2SFP-P-E	8
AP	AP820-L	64

3. Site Survey Planning(Heat Map)

3.1 Survey Planning

Step1 Access to https://survey.ruijienetworks.com.

Step2 Import the building layout to the project.

Step3 Draw the obstacle.



Step4 Add the APs to the layout and adjust the APs' channel and local power. Display the simulation with signal strength:



Display the simulation with speed:



Display the simulation with channel interference:



3.2 Survey report

Step 1 Export the report



	Save Pr		Export Report
Content			&
■ Y TeetSSP10 ■ Y Building1 V Floor1 V Floor2 V Floor3			
Signal Strength(2.4GHz)	Speed(2.4GHz)	CI Interfere	hannel ence(2.4GHz)
Signal Strength(5GHz)	Speed(5GHz)	Ci Interfer	hannel ence(5GHz)
Display Logo on Heat Map			
Percentage % Floors / Total Floors n Log - FLOOR - FLOOR EPORT EPORT EPORT EPORT EPORT	Save P	Arogress	Export Report
	Content Content Content Content Content Floor1 Floor2 Floor3 Signal Strength(2.4GHz) Signal Strength(SGHz) Display Logo on Heat Map Percentage % Floors / Total Floors n Log FLOOR FLOOR FLOOR FLOOR FLOOR FOOT EPORT FOOT EPORT Cood	Content Content Content Content Content Content Content Floor1 Floor2 Floor3 Signal Strength(2.4GHz) Speed(2.4GHz) Signal Strength(SGHz) Display Logo on Heat Map Content Map Content Map Content Conte	Content Image: Floor 1 Image: Floor 2 Image: Floor 3 Signal Strength(2.4GHz) Signal Strength(2.4GHz) Signal Strength(5GHz) Display Logo on Heat Map Percentage % Floors / Total Floors Image: Floor 7 Percentage % Floors / Total Floors Image: Floor 7 Percentage

Step 2 Displays the survey report

Surv Organiz	rey- ation∉																		
Team∙Leader⇔		11 m ^{e3}	Contac t- Inform ation↩	⇔ y - 2022-03-17⇔ M Time⇔				₁ 1.com∉											
			·	Survey Result	(Device	Statistics)													
Building⊲	uilding Floor Area		AP·Model⇔	Quan tity⇔	Antenna Model↩	Quan tity↩	Feeder-Model↩ Quan tity↩												
Building1∉	Floor1↩	Ę	تې	RG-AP820-L∉	RG-AP820-L∉	8∉⊒	C>	Ę	r,	ę									
Building1∉	Floor2↩	47	Ξ	RG-AP820-L∉	8⇔	€7	¢	Ę.	¢										
Building1∉	Floor3∉3	ţ	¢,	RG-AP820-L⇔	RG-AP820-L∉	RG-AP820-L⇔	RG-AP820-L∉	RG-AP820-L∉	RG-AP820-L∉	RG-AP820-L⇔	RG-AP820-L⇔	RG-AP820-L₽	RG-AP820-L₽	RG-AP820-L⇔	8∉⊐	4	Ę	⊂,	¢
Building1⇔	Floor4∉	¢	Ę	RG-AP820-L∉	8∉⊐	₽	¢	с ь	¢										
Building1∉	Floor5∉	Ę	¢,	RG-AP820-L₽	8∉⊐	4	Ę	€	¢										
Building1∉	Floor6↩	¢	Ę	RG-AP820-L₽	8∉⊐	ج	Ċ	4	¢										
Building1∉	Floor7⊲	Ļ	Ę	RG-AP820-L∉	8∉⊐	4	ĉ	¢.	¢										
Building1∉	Floor8↩	Ł	Ę	RG-AP820-L↩	8↩⊐	ب	Ċ	4	¢										
			·• ·· ··	Total (Device Li	st)≓													
Device	Modelผ	Υ.		Descriptio	n≓		Quan tity≓	Remarks⊷	1										
RG-AP	820-L↩	47					64↩	⊂ ₂											

For more details for SSP, please refer to the link: https://www.ruijienetworks.com/resources/preview/76230

4. Device setup

4.1 Project Setup

Step 1: Add a Project named Building1.

Basic		Basic Information	
me	Building1	Name	Building1
nanement Dassword @	Duile122456	Parent Project	Root
Casassia	Page 120400.	Time Zone	(GMT+2:00)Egypt
enano		Туре	Cloud + AP
	Office Hotel Witarbo	Location	Not Bound
		SSID	
	Factoryf Restaurant School		
	RetailS Residence Custom	20	
ne Zone	(GMT+2.00)Egypt	~	

Step 2: Add a 8 Sub-Project under the Building1.

Typical Scenario

Project Management How to Use?	Q Drainet I	- (-					<project sha<="" th=""></project>
●	Project in Project in Project in Project in Add Sub P	ilding1 * < 67 I 2	ployment. It is the same with es that there are sub projects.	project on Ruijie	Cloud App.		
- 🛅 111	Project L	IST	222.54		42200000000		
	Name	Parent Project	Type	Devices	Alarms	Action	Advanced
	Floor1	ROOT / Building1	Sub Project	0/0	Q		10 Dashboard 35 Topology
200 m	Eloor2	ROOT / Building1	Sub Project	0/0	<u>0</u>		Dashboard & Topology 🗇 Wireless
击 lin Auto							
歲 lin_Auto 品 linb	Floor3	ROOT / Building1	Sub Project	0/0	Q	11 2	Dashboard & Topology TWireless
డ్డి lin_Auto డ్డి linb డ్డి default Auto	Floor3 Floor4	ROOT / Building1 ROOT / Building1	 중 Sub Project 중 Sub Project 	0/0	Q Q	0 2	û Dashboard 💑 Topology, 주 Wireless û Dashboard 🎄 Topology, 주 Wireless
දුන් lin_Auto දුන් linb දුන් default_Auto දුන් admin	Floor3 Floor4 Floor5	ROOT / Building1 ROOT / Building1 ROOT / Building1	종) Sub Project 종) Sub Project 종) Sub Project	0/0 0/0 0/0	۵ ۵ ۵		<u>O Dashboard</u> <u>A Topology</u> <u>R Wireless</u> <u>O Dashboard</u> <u>A Topology</u> <u>R Wireless</u> <u>O Dashboard</u> <u>A Topology</u> <u>R Wireless</u>
ക്ക് lin_Auto ക്ല linb ക്ല default_Auto ക്ല admin ക്ല lin	Floor3 Floor4 Floor5 Floor6	ROOT / Building1 ROOT / Building1 ROOT / Building1 ROOT / Building1	한 Sub Project 한 Sub Project 한 Sub Project 한 Sub Project	0/0 0/0 0/0 0/0	۵ ۵ ۵ ۵		Dashbarri Alopolov, Wireless Dashbarri Alopolov, Wireless Dashbarri Alopolov, Wireless Dashbarri Alopolov, Wireless
للله الم_Auto لله المك لله وdrault_Auto لله وdrault لله الم لله وdrault	Floor3 Floor4 Floor5 Floor6 Floor7	ROOT / Building1 ROOT / Building1	Sub Project Sub Project Sub Project Sub Project Sub Project Sub Project Sub Project	0/0 0/0 0/0 0/0 0/0	0 0 0 0		Dashbarri Alopatoyi Wireless Dashbarri Alopatoyi Wireless

Step 3: Add a EG to Building1.

MONITORING CONFIGURATION MAIN	Add ×
ALL ~ > Building1 ~ Search Network Q Gateway List Add Web CLI eWeb More ~ 0 Status SN	SN H Alias C Tip: Please enter the password of admin account of the eWeb system to authorize Cloud to manage this device. You can skip this step now, and authorize the password and check the results in MONITORING > Device > Gateway. Password r.
	OK Close

Step 4: Before the EG can access to internet, the EG will be shown on unauthorized gateway list.

ALL \checkmark > Building1 \checkmark Search Network Q					(GMT+2:00)Egypt Manage Project Take over Network Unbind Device						
Unauthorized Gateway List					с 8						
Note: The gateway is displayed in the Unauthorized Gateway List when it has not gone online on Cloud yet or the password authentication fails.											
				SN	Alias						
SN	Alias	Status	Network	Added at	Action						
H1PTATC	Gateway		Building1	2022-03-18 04:04:36	Re-authorize, Delete						

Step 5: Click the Sub-project(Floor) and add the APs with the template file.

MONITORING CONFIGURATION MAIN	ITENANCE •
	Add ×
ALL V > Building1 V > Floor1 V	Download and fill in the device information in the template. Up to 500 records can be imported each time.
AP List	<u>↑</u> _
Status SN Co	
	Upload Template File Download Template
	Add a Device Close

-d	A		В	С	D	E
1	SN		Alias	SSID Password	Latitude	Longitude
2	G1K24564	?	Room1			1
3	G1K245F	3	Room3			
4	G1K245(Room5			
5	G1K2456		Room7			
6	G1K2456-		Room9			
7	G1K24564		Room11		· · · · · · · · · · · · · · · · · · ·	
8	G1K24564		Room13			
9	G1K24564		Meeting			
10						

Step 6: Before the APs can access to internet, the status are Not Online Yet.

ALL \checkmark) Building1 \checkmark	> Floor1 > Search Network	٩				(GMT+2:00)Egypt Manage Project	Take over Network Unbind Device
APLiet							
						AUIO R	
Add Web CLI	More - 0 Selected						SN, Alias, Description Q
Status	A SN	Config Status	MAC Alias 🍦 MGMT IP	Egress IP Clien	ts Network	Firmware Version Offline Time	Model Description Action
🗌 🚳 Not Online Yet	G1K245645	Synchronizing	Room1		Building1 / Floor1		Û
🗌 🛞 Not Online Yet	<u>G1K245</u> f	Synchronizing	Room3	-	Building1 / Floor1		Û
🗌 🚳 Not Online Yet	G1K2456+	Synchronizing	Room5	-	Building1 / Floor1	-	Û
Not Online Yet	<u>G1K2456</u>	Synchronizing	Room7	-	Building1 / Floor1	-	Ū į
Not Online Yet	G1K1	Synchronizing	Room9	170	Building1 / Floor1	-	Ū ī
Not Online Yet	<u>G1K245</u>	Synchronizing	Room11	-	Building1 / Floor1	-	Ū
🗌 🚳 Not Online Yet	G1K2456	Synchronizing	Room13	-	Building1 / Floor1	-	ū -
Not Online Yet	<u>G1K245</u>	Synchronizing	Meeting	-	Building1 / Floor1	-	ū

Step 7: Click the Sub-project(Floor) and add the access switch.

MONITORING CONFIGURATION MAIN	ITENANCE •
	Add ×
ALL \checkmark > Building1 \checkmark > Floor1 \checkmark Search	
201	1 SN G1NW10 Alias Floor1-Switch
Switch List	2 SN Alias
Add Web CLI More - 0 Selected	
Status SM	3 SN Alias Hias
	Batch Import OK Close

Step 8: Before the switch can access to internet, the status are Not Online Yet.

ALL 🗸	> Building1 > > Floor1 *	Search Network Q]							(GMT+2:00)Eg	ypt Manage Project	Take over Network	nbind Device
Switch	Switch List												
Add	Web CLI More - 0 5	Selected										SN, Alias, Description	on Q
	Status	SN	MAC	Alias	φ.	MGMT IP	Egress IP	Offline Time	Network	Model	Firmware Version	Description	Action
	Not Online Yet	<u>G1NW</u>	Flor	or1-Switch					Building1 / Floor1				Û

4.2 EG setup

Step 1 Access to EG's eWeb.

Step 2 Click the WAN and configure the WAN to connect to the uplink ISP.

Interface	Basic Settings	Multi-PPPoE	Aggree	gate Port	Access Mode	Interface Conve	ersion L	ink Detection			
SUPER-VLAN	Note: Click the corr AnyIP: A successfu	responding interface t Il gateway spoofing (A	o edit configuratio RP spoofing) atta	on. For copper and ck allows an attack	fiber port details, ple r to alter routing on	ase view Help . The DH a network, effectively al	ICP interface does llowing for a man	s not support line esca -in-the-middle attack.	<mark>be or link detection.</mark> Device with any IP ac	ddress or gateway can access the network	< directly
DNS Settings	🚔: On 🚔: Off								1		
VPN	OMGMT		2	3	4	5	•	7	8F(SFP SFP+)	9F(SFP)	
NAT/Port Mapping	Configured	Configured	Configured	Unconfigured	Unconfigured	Unconfigured	Configured	Configured	Unconfigured	Unconfigured	
DHCP		01									
Line Escape	7 (Di1) Setting	PPPoE(ADSL) Vusername:		*							
		IP Address: 8									
	Save	Clear Reco	onnect								

Step 3 After the WAN obtain the IP address, try to test the internet connection.

Rui	jie eg			Scenario: Gr
∂ Home	System	Ping Detection	Tracert Detection	Egress Interface Detection
Ē	Upgrade	Dest IP/Domain Name:	cloud.ruijienetworks.com	
Common	Administrator	Repetition Times (1-10):	5	
₩ Flow	Issue Collection		Detect	
⊈ Behavior	Connectivity Detection			
(M	Schedule	Translating "cloud.ru percent (5/5), round-	uijienetworks.com"[OK]S -trip min/avg/max = 88/96/	ending 5, 100-byte ICMP Echoes to 34.87.32.36, timeout is 2 seconds: < press Ctrl+C to break tilling 102 ms.
Cache	Central Management			
Security	System Log			
ے User	Log Policy			
Ø Network	Report			
() WLAN				
ැබූ dvanced				

Step 4: Enable the Central management.

Ruj	ie eg			Scenario: S&M Enterprise 🕘 🛛 🗟 Config Wizard 🛛 🗟 Detect New Network 🔗	Online Service Hi, admin
• 🖒 Home	Dashboard	Service			
÷	Service	Note: You can disable uncommon fun	ctions here. The disabled fun	ctions will not run in backend or run at startup.	
Common	Interface Status	Tip: Enabling or disabling some funct	ions requires device restart.		
₩ Flow		Function Name	Status	Description	Action
E		Cache	Disabled	Provide resource cache, App cache, floating ADs and other functions. Note: The device will be restarted. Menu: [Cache > App Cache] [Cache > Resource Cache] [User > Floating AD]	Enable
Behavior		Central Management	Disabled	Support RAC-SNC central management. Menu: [Advanced > Central Management]	Enable
() Security		Server Log	Disabled	Provide server log for SNC server and ELOG server. Menu: 【Advanced > System Log > Server Log】	Enable

Step 5: Input the URL for EG to connect to Ruijie Cloud.

Ruij	JIE EG	
☆ Home	System	Central Management
Ē	Upgrade	
Common	Administrator	Central Management: 🔽 Enable 🔞
► Flow	Issue Collection	Management Type: Ruijie Cloud
Eehavior	Connectivity Detection	Server URL
(A) Cache	Schedule	Save
\bigcirc	Central Management	
Security	System Log	
User	Log Policy	
() Network	Report	
() WLAN		
ැ <u>ලි</u> Advancec		

Step 6: Wait the EG online on Ruijie Cloud.



Step 7: Configure the LAN interface of EG gateway.

Typical Scenario

--	Multi-PPI	PoE Aggre	egate Port	Access Mode	Interface Conv	ersion Li	nk Detection
Note: Click the corre AnyIP: A successful	esponding interfa gateway spoofin	ice to edit configura g (ARP spoofing) att	tion. For copper ar tack allows an atta	nd fiber port details, plea cker to alter routing on	ase view Help . The DI a network, effectively a	HCP interface does allowing for a man-	not support line (in-the-middle att
: On 🛋: Off		_					
OMGMT	1	2	3	4	5	6	7
Configured	Configured	Configured	Unconfigured	Unconfigured	Unconfigured	Configured	Configured
(Gi0/1) Setting	9						
(Gi0/1) Setting	P Address: 17	72.16.1.1	*				
(Gi0/1) Setting	P Address: 17 Submask: 25	72.16.1.1	*				
(Gi0/1) Setting	P Address: 17 Submask: 25 Advanced Sett	72.16.1.1 55.255.255.0 ings	*				

Step 8: Configure the LAN interface DHCP pool of EG gateway.

			×
			*
Pool Name:	device_pool	*	
Subnet:	172.16.1.0	* Format: 192.168.1.0	
Mask:	255.255.255.0	* Format: 255.255.255.0	
Default Gateway:	172.16.1.1	* Format: 192.168.1.1	
Lease Time:	O Permanent Lease Time	1 d 0 h 0 min*	- 1
Preferred DNS Server:	8.8.8.8	* Format: 114.114.114.114	
Secondary DNS Server:			
Option 43		0	+
		Save Ca	ancel

4.3 Switch setup

Step 1: Connect the switch to the EG gateway LAN.

Step 2: After the switch obtain the IP address, try to test the internet connection.



Step 3: Configure the CWMP URL to connect to Ruijie Cloud.

Swithch#config

Switch(config)#cwmp

Switch(config-cwmp)# acs url http://devicereg.ruijienetworks.com/service/tr069servlet

Step 4: Wait the switches online on Ruijie Cloud

Online	<u>0</u>		172.16.		20	XS-S1921	S10		Empty	Û
Online	G	-	172.16.	10.000	20	XS-S1920-2 FP-P-E	S15		Empty	Û
Online	Q		172.16.			XS-S1920-2 P-E	S19	+	Empty	Û
Online	<u>G</u>		172.16		2	S5750C-28S	S5		Empty	Ū.

4.4 AP setup

Step 1: Connect the APs to the access switch

Step 2: The APs will online on the Ruijie Cloud automatically

AP List			Auto Refresh: 💽 🤂 🖆 📰 🛛 🔀				
Add Web CLI More - 0 Selected	Add Web CLI More O Selected SN, Alias, Description						
Status SN Config Status MAC	Alias MGMT IP Egress IP	Clients 💠 Network Firmware Version	Offline Time Model Description				
Online Synchronized 30		AP_RGOS 11.9(6)B1, Release(07201411) AP820-L(V2) Empty				
Online G Synchronized 30		AP_RGOS 11.9(6)B1, Release(07201411)) AP820-L(V2) Empty				
Online G Synchronized		AP_RGOS 11.9(6)B1, Release(07201411)) AP820-L(V2) Empty				

5. Configuration

5.1 EG configuration

WAN load balance

Refer to this Link:

https://community.ruijienetworks.com/forum.php?mod=viewthread&tid=2552&highlight=loa d%2Bbalance

5.2 Switch configuration

Step 1 : Access to Ruijie Cloud and go to switch's detailsStep 2: Configure All the LAN interfaces to trunk, native Id is 1, and allow Vlan 1, 10, 20

Overview Ports	Config PoE Dia	agnose		Des	cription:
Port Settings P	ort: (Gi0/1, Gi0/2, Gi0/3, Gi0/4,	Gi0/5, Gi0/6)			
Admin Status	Enabled	~	Туре	Trunk	~
Duplex Mode	Auto-negotiation	~	Native ID	1	
Speed	Auto	~	Allowed VLAN	1,10,20	
Description	Custom 🗸				
PoE-Capable	On	~			
Media Type	Unsupported				
Save					

Step 3: Configure uplink interfaces to trunk, native Id is 1, and allow Vlan 1, 10, 20

Overview Ports	s Config PoE Di	agnose		Descriptio	on: 🖍
Port Settings	ort: (Gi0/27)				
Admin Status	Enabled		Routed Port	Unsupported	
Duplex Mode	Auto-negotiation	~	Туре	Trunk	~
Speed	Auto	~	Native ID	1	
Description			Allowed VLAN	1,20,30	
PoE-Capable	Unsupported				
Media Type	Unsupported				
Save					

5.3 AP configuration

Step 1: Configure the Voucher SSID and set the VLAN ID to 10.

* **Note:** If the use the EG local authentication, need to disable the **Auth** feature on the SSID settings.

Typical Scenario

SSID			
WLAN ID	1	Hidd	en No 👻
SSID	voucher	Forward Mode	Ø Bridge
Encryption Mode	Open	✓ VLAN	ID 10
		Rad	dio 🗹 Radio1(2.4GHz) 🗹 Radio2(5GHz)
			Radio3 @ (2.4GHz or 5GHz)
Wi-Fi6 🛛			
5G-Prior Access @			
Speed Limit per Client	\bigcirc		
Speed Limit by SSID			
Auth			
		OK Cancel	

Step 2: Configure the Staff SSID and set the VLAN ID to 20, the Encryption Mode is WPA/WPA2-PSK.

SSID					×
					More+
WLAN ID	2	~	Hidden	No	~
SSID	Staff		Forward Mode 🙆	Bridge	~
Encryption Mode	WPA/WPA2-PSK	~	VLAN ID	20	
Password	test123456		Radio	Radio1(2.4GHz) 🗹 Radio2(5GHz)	
				Radio3 @ (2.4GHz or 5GHz)	
Wi-Fi6 @					
5G-Prior Access Ø					
Speed Limit per Client	\bigcirc				
Speed Limit by SSID	\bigcirc				
Auth					
		OK Cancel			

Step 3: Configure the account SSID and set the VLAN ID to 20, enable the **Auth** feature and select the portal template.

					Moter
WLAN ID	3	~	Hidden	No	v
SSID	account		Forward Mode @	Bridge	×
Encryption Mode	Open	~	VLAN ID	20	
			Radio	Radio1(2.4GHz) Radio2(5GHz)	
				Radio3 @ (2.4GHz or 5GHz)	
WI-FIG @					
5G-Prior Access 0					
Speed Limit per Client	CD .				
Speed Limit by SSID	0				
Auth					
Mode	Captive Portal	v			
Seamless Online 🛛	Ahvays	~			
Disasa select a portal or	add a new partial				
account	voucher				
		<			
and a second	tenim C	2			

Step 4: Display the SSID settings.

Building1 V Search Netwo	vrk Q					(GMT+2:00)Egypt Manage Pro	ect Take over Network Unbind Device
							Save More +
Wireless Configurati	on						~
SSID O							
WLAN ID	SSID	Encryption Mode	Hidden	Forward Mode	Radio	Auth Mode	Action
1	voucher	Open	No	Bridge	1,2	Auth Disabled	区直
2	Staff	wpa/wpa2-psk	No	Bridge	1,2	Auth Disabled	直
3	account	Open	No	Bridge	1,2	Captive Portal	直
		First	Previous Page 1	of 1 Next Last			10 a 3 in total

5.4 Authentication configuration

Step 1: Create 2 captive portal templates, 1 for voucher, 1 for account.

Add Synchro	onize			
				i I
	account	ک بوند	voucher	
Account Login	Applied SSID Not associated with SSID	Voucher Login	Applied SSID Not associated with SSID	
Account Password	Network of Synchronized EG Not synchronized to EG	Access Code	Network of Synchronized EG Not synchronized to EG	
I agree to the <u>Termin of Generation</u> Accestable Use Policy Logn	Created on 2022-03-18 05:42:24	Lagin	Created on 2022-03-18 05:42:10	
*	Description	•	Description	

Step 2: Click Captive Portal > Synchronize to sync the portal to EG.



Step 3: Go to EG eWEB, and enable the Local Server Auth and Auth Integration with Cloud.

Ruij	jie eg			2		
∂ Home	User	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permissio
Ē	Web Auth	Note: 1. Bridge mo	de is not supported.	marketing authoritization and loan	I conver outboution connect ho	anablad at the same time
ommon	Local Auth	3. You can co	nong web authentication onfigure username and pa	, marketing authentication and loca assword on the User page.	i server authentication cannot be	enabled at the same time
낟 Flow	Block Internet Access	4. You can vi 5. Users who 6. Please dis	ew AD domain user inforr fail single sign-on will be able flow control if you wa	nation on the User page. matched with the other policies.	accounts for Auth Integration with	Cloud Otherwise rate lin
lehavior		+Add Policy ×	Delete Selected	Local Server Auth	Auth Integration with Clo	

Step 4: Create the voucher package.

alding3 ~ Search Network Q	Package Name	Noucher		
Voucher) Manage Package	Description	L		
Add Package	Price	30.00		
Package Name Description	Concurrent Devices	1	~	
	Bind MAC			
	Period	30 Days	~	
	Data Quota	100 MB	~	
	Download Speed	5 Mbps	~	
	Upload Speed	2 Mbps	~	

Step 5: Create the vouchers.

Voucher > Print Voucher			
Print Configuration * Quantity 500 Alias		Profile Information on Voucher You can select at most 4 parameters Package Name voucher Concurrent Devices 1 Data Quota	for the voucher. Bind MAC Yes Period 30 Days Download Speed
* Package voucher Logo Select the logo	l Anage Package ✓ ☐ Clear	100 MB Upload Speed 2.00 Mbps Preview Vo	5.00 Mbps
Text Print Method Print in 2 Columns (A4) Print	0/40		

Typical Scenario

Vou	her													0 ₫ #•8
Print V	oucher Manag	ie Package () More -	Total Vouch	ers: 500 🔵	Activated Vouchers: 0 🛛 🔴 De	pleted Vouchers ③:	0				Voucher Co	de, Alias, Packi Q	Advanced Search \vee
	Voucher Code	Alias	Package Name	Price	Period	Created at	Activated at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
	narqt6	2	voucher	30.00	30 Days	2022-03-18 14:36:57		-	0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	vx3szn	-	voucher	30.00	30 Days	2022-03-18 14:36:57	-	-	0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	2tregr	-	voucher	30.00	30 Days	2022-03-18 14:36:57	-		0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	etgq6r		voucher	30.00	30 Days	2022-03-18 14:36:57	-	-	0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	zz2yz3		voucher	30.00	30 Days	2022-03-18 14:36:57	-		0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	ds6w5k	5	voucher	30.00	30 Days	2022-03-18 14:36:57	-		0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	wnsbtv		voucher	30.00	30 Days	2022-03-18 14:36:57			0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	ub2b7s		voucher	30.00	30 Days	2022-03-18 14:36:57	-	-	0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	dd3rvs		voucher	30.00	30 Days	2022-03-18 14:36:57			0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
	qmmud8		voucher	30.00	30 Days	2022-03-18 14:36:57	-		0/1	Yes	0 MB/100 MB	5.00 Mbps	2.00 Mbps	Not Activated
						First Previous	Page 1 of 50	Next	Last				C	10 🔺 500 in total

Step 6: Create the account profile.

MONITORING CONFIGURATION	MAINTENANCE .			
	Add Profile			×
Building1 V Search Network Q		Profile Name	account	*
Account) Manage Profile		Description		
Add Profile		Concurrent Devices	2	~
Profile Name	Descripti	Period	Unlimited	~
		Data Quota	Unlimited	~
		Download Speed	5 Mbps	~
		Upload Speed	2 Mbps	~
			OK Cancel	

Step 7: Create the accounts.

Buildin	g1 ~ [S	Search Netv	rork Q								(GMT+2:00)Egypt	Manage Project	ake over Netwo	ork U	nbind Device
Acc	ount												A	0 ⊿	# * 8
Add	Account	Manage P Alias	Password	Profile Name	Period	Created at	Expired at	Devices	Data Usage	Download Speed	Upload Speed	Status	Account	Actie	un U
	test4	2	****** ~	account	Unlimited	2022-03-18 08:40:35	-	0/2	0 MB/Unlimited	5.00 Mbps	2.00 Mbps	Not Activated	()	и 0	直
	test3	-	······ ~	account	Unlimited	2022-03-18 08:40:23	-	0/2	0 MB/Unlimited	5.00 Mbps	2.00 Mbps	Not Activated		Z 2	直
	test2	-	····· 🗸	account	Unlimited	2022-03-18 08:40:11	-	0/2	0 MB/Unlimited	5.00 Mbps	2.00 Mbps	Not Activated		K Q	直
	test1		······ 🖌	account	Unlimited	2022-03-18 08:40:00		0/2	0 MB/Unlimited	5.00 Mbps	2.00 Mbps	Not Activated		Z 0	<u> </u>
						First Previous	Page 1	of 1 N	ext Last				C	10 🔺	4 in total

Step 8: Go to EG eWEB, check whether the vouchers and accounts are same as the Cloud.

ie eg				
User	Common User	Import/Export User	Special User	
Web Auth	User Structure			Path: r
Local Auth	🖃 🖨 root			Benavio
Block Internet Access		er nt		

Step 9: Create 2 sub-interfaces, Vlan10 interface and Vlan20 interface.

Basic Settings	Multi-PPPoE	Aggregate Port	Access Mode	Interface Conversion	Link Detection						
Note: Click the corre AnyIP: A successful	sponding interface to edit gateway spoofing (ARP sp	configuration. For copper oofing) attack allows an at	and fiber port details, ple tacker to alter routing on	ase view Help . The DHCP interfa	e does not support line a man-in-the-middle at	<mark>escape o</mark> tack. Devi	r link detection	address or gateway can access	the network directly.		
R Interface Confic	auration - Sub Interface - G	ioogle Chrome			- 0	×					
▲ 不安全 34.	89.170.164:10187/inter	face_pi/int_child.html						05(550)			
Sub Inte	erface: Gi0/1	~. 10	* (Range: 1-	-1023)			or(SPP[SPP+)	SP(SPP)			
1		* (8-	nani 1 4007)				Unconfigured	Unconfigured			
VL	AN ID. 10	(Kd	nge. 1-4067)								
IP Ac	ddress: 192.168.10.1	*									
1 Sub	omask: 255.255.255.0	*						Interface Conversion	Secondary IP	Sub Interface	DHCP Settings
	AnviP: Enable										
Pewerse	a Path: Enable										
NCVC150	eradi. Denable										
	Add										
	10 N										
						_					
Basic Settings	Multi-PPPoE	Aggregate Port	Access Mode	Interface Conversion	Link Detection						
Basic Settings	Multi-PPPoE	Aggregate Port	Access Mode	Interface Conversion	Link Detection						
Basic Settings Note: Click the cor AnyIP: A successfi	Multi-PPPOE responding interface to ed ul gateway spoofing (ARP s	Aggregate Port it configuration. For coppe poofing) attack allows an a	Access Mode rr and fiber port details, pla attacker to alter routing or	Interface Conversion ease view Help . The DHCP interfa	Link Detection	escape o tack. Dev	r link detection	1. address or gateway can access	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successful	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP s	Aggregate Port it configuration. For coppe poofing) attack allows an a	Access Mode or and fiber port details, plattacker to alter routing or	Interface Conversion ease view Help . The DHCP interfa n a network, effectively allowing fo	Link Detection	escape o tack. Dev	r link detection	1. address or gateway can access	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 記 Interface Con	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP s figuration - Sub Interface - 4.89.170.164:10187/intt	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface pi/int child.html	Access Mode	Interface Conversion ease view Help . The DHCP interfa a network, effectively allowing fo	Link Detection	escape o tack. Dev X	r link detection ice with any IP	1. address or gateway can access	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successful R Interface Con ▲ 不安全 3 Sub Ir	Multi-PPPOE responding interface to ed ul gateway spoofing (ARP s figuration - Sub Interface 4.89,170.164:10187/intu therface:	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pi/int_child.html	Access Mode ar and fiber port details, pl attacker to alter routing or attacker to alter routing or	Interface Conversion ease view Help . The DHCP interfa a a network, effectively allowing fo	Link Detection are does not support line r a man-in-the-middle at	escape o tack. Dev X	r link detection ice with any IP 8F(SFP SFP+)	address or gateway can access 9F(SFP)	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 常 Interface Con ▲ 不安全 3 Sub Ir	Multi-PPPoE responding interface to ed al gateway spoofing (ARP s figuration - Sub Interface 4.89.170.164:10187/intr tterface: GI0/1	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pi/int_child.html ~ . 20	Access Mode r and fiber port details, pl attacker to alter routing or (Range: 1)	Interface Conversion ease view Help . The DHCP interfa a a network, effectively allowing fo	Link Detection ace does not support line r a man-in-the-middle at	escape o tack. Dev X	BF(SFP SFP+)	a address or gateway can access 9F(SFP) Deconformed	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 足 Interface Con ▲ 不安全 3 Sub Ir	Multi-PPPoE responding interface to ed al gateway spoofing (ARP s figuration - Sub Interface 4.89.170.164:10187/intt interface: GI0/1 /LAN ID: 20	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html ~ . 20 * . (R	Access Mode ar and fiber port details, pl attacker to alter routing or attacker to alter routing or (Range: 1-4087)	Interface Conversion ease view Help . The DHCP interfa a a network, effectively allowing fo 1-1023)	Link Detection are does not support line a a man-in-the-middle at — — —	escape o tack. Dev X	r link detection ice with any IP 8F(SFP SFP+)	n. address or gateway can access 9F(SFP) Meconfigured	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 常 Interface Con 本 不安全 3 Sub Ir V	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP s figuration - Sub Interface - 4.89,170.164:10187/intr Interface: Gi0/1 /LAN ID: 20 Address: [192.168.20.1	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html v]. 20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP interfa a a network, effectively allowing fo 1-1023)	Link Detection see does not support line a man-in-the-middle at 	escape o ttack. Dev	w link detection ice with any IP 8F(SFP SFP+) Inconfigured	n address or gateway can access 9F(SFP) Meconfigured	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 常 Interface Con 本 不安全 3 Sub Ir V IP J	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP e figuration - Sub Interface - 4.89,170.164:10187/intr aterface: GI0/1 /LAN ID: 20 Address: 192.168.20.1	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html v]. 20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP Interfa in a network, effectively allowing fo 1-1023)	Link Detection are does not support line r a man-in-the-middle at —	escape o tack. Dev X	Wink detection ice with any IP SF(SFP)SFP+) Unconfigured	a address or gateway can access 9F(SFP) Unconfigured	the network directly.		
Basic Settings Note: Click the cor AnyIP: A successfi 常 Interface Con 本来全日3 Sub Ir V IP J	Multi-PPPoE rresponding interface to ed ul gateway spoofing (ARP s figuration - Sub Interface 4.89,170.164:10187/intu Interface: GI0/1 /LAN ID: 20 Address: 192.168.20.1 ubmask: 255.255.255.0	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html v]. [20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP Interfa in a network, effectively allowing fo 1-1023)	Link Detection are does not support line r a man-in-the-middle at	escape o tack. Dev	R link detection ice with any IP BF(SFP(SFP+) Unconfigured	a address or gateway can access 9F(SFP) Unconfigured	the network directly.	Sub Interface	DHCP Settings
Basic Settings Note: Click the cor AnylP: A successfi 常 Interface Con 承示史全 3 Sub Ir V IP / 1	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP s figuration - Sub Interface - 4.89,170.164:10187/intu interface: GI0/1 /LAN ID: 20 Address: 192.168.20.1 ubmask: 255.255.255.0 AnyIP: Enable	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html v]. 20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP Interfa in a network, effectively allowing fo 1-1023)	Link Detection see does not support line r a man-in-the-middle at	×	Reference of the second	a address or gateway can access 9F(SFP) Wacconfigured	the network directly.	Sub Interface	DHCP Settings
Basic Settings Note: Click the cor AnylP: A successfi 常 Interface Con 承示安全 3 Sub Ir V IP / 1 Su Reven	Multi-PPPoE responding interface to ed ul gateway spoofing (ARP 4 figuration - Sub Interface 4.89,170.164:10187/intr therface: Gi0/1 /LAN ID: 20 Address: 192.168.20.1 ubmask: 255.255.255.0 AnyIP: ©Enable se Path: ©Enable	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pi/int_child.html v]. 20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP Interfa in a network, effectively allowing fo 1-1023)	Link Detection are does not support line r a man-in-the-middle at	×	Wink detection ice with any IP SF(SFP)SFP+)	a address or gateway can access 9F(SFP) Weconfigured	the network directly.	Sub Interface	DHCP Settings
Basic Settings Note: Click the cor AnyIP: A successfi 常 Interface Con 本示史全 3 Sub Ir V IP / 1 St Reven	Multi-PPPoE responding interface to ad ul gateway spoofing (ARP + figuration - Sub Interface - 4.89,170.164:10187/intr therface: GI0/1 /LAN ID: 20 Address: 192.168.20.1 ubmask: 255.255.255.0 AnyIP: Enable se Path: Enable Add	Aggregate Port it configuration. For coppe poofing) attack allows an a Google Chrome erface_pl/int_child.html v]. 20 * (R *	Access Mode	Interface Conversion ease view Help . The DHCP Interfa in a network, effectively allowing fo 1-1023)	Link Detection are does not support line r a man-in-the-middle at	tack. Dev	BF(SFP)SFP+)	a address or gateway can access 9F(SFP) Unconfigured	the network directly.	Sub Interface	DHCP Settings

Step 10: Create 2 DHCP pools for Vlan10 and Vlan 20.

			×
Pool Name:	Vlan10	*	
Subnet:	192.168.10.0	* Format: 192.168.1.0	1
Mask:	255.255.255.0	* Format: 255.255.255.0	1
Default Gateway:	192.168.10.1	* Format: 192.168.1.1	1
Lease Time:	O Permanent Lease Time	d h min*	1
Preferred DNS Server:	8.8.8.8	* Format: 114.114.114.114	
Secondary DNS Server:]	
Option 43		0	-
		Save Cancel	

Pool Name:	Vlan20	*	
Subnet:	192.168.20.0	* Format: 192.168.1.0	
Mask:	255.255.255.0	* Format: 255.255.255.0	
Default Gateway:	192.168.20.1	* Format: 192.168.1.1	
Lease Time:	O Permanent Lease Time	d h min*	
Preferred DNS Server:	8.8.8.8	* Format: 114.114.114.114	
Secondary DNS Server:			
Option 43		2	

Step 11: Check whether the portal template is synced to the EG.

	*
	raujie 🖒
Cloud Templ	
	♦ Voucher Login
Example: 1.1.	Access Code
	Login
	- Alter
	Save
	Cloud Templ

Step 12: Create the authentication policy.

Auth Policy				×
Enable:				
Portal Template:	Cloud Template	F	Preview	0
Policy Name:	voucher	×		
IP Range:	192.168.10.2-192.168.10.254			
		// (
			s	ave

Step 13: Create the advanced settings.

Rui	TIE EG						
~							
し Home	User	Auth Policy	Auth Server	Advanced Settings Whi	itelist Settings	User Permission	Online Info
Common	Web Auth Local Auth Block Internet		Network Type: Auth Page IP: Jnauthorized Uptime:	 L2 Network OL3 Network Example: 192.168.1.1 min @ 			
Eehavior	Access		Authorized Uptime:				
(1) Security		~	MAC Address Limit:	1 0	er 1 mac limit eamless with i	mac	
• <u>A</u> User		0	Seamless Auth:	Seamless MAC bypass V			
() Network		Sear User S	miess Period Control: Seamless Aging Time:	60 Days 2 MA	AC recording ti	me	
(((•		Fetch MAC Throu	ugh DHCP Snooping:				
WLAN			Idle Timeout:	Enable ¹			
(i)			Over:	60 (1-65535) minutes, the clier	nts with a rate lower that	an 0 (0-10)KB/s	will be forced offline.
Advanced			HTTPS Redirection:	Z Enable			
		e e e e e e e e e e e e e e e e e e e	Authorization Control:	Enable 💡			
			Terminal Control:	Enable 😮			
			File Name:	选择文件 未选择任何文件	(Replace Logo Res	tore Logo
				Save			

6. Project delivery

6.1 Internet Test

Step 1 Connect to SSID "Staff". Then try to surf the internet and use some APPs.

Step 2 Try to use the Speedtest to test the throughput of the network.

6.2 Authentication Test

Step 1 Connect the SSID "Voucher". after the voucher authentication, check the voucher user's status on EG eWeb and Ruijie cloud.

Ruij	ie eg						
∂ Home	Interface	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permission	Online Info
÷	Route/Load	Note: If a mobile nu	imber is registered for SM	IS authentication, the mobile numb	er will be displayed as the usernal	me.	
Common	DNS Settings	Search by Usernar	me 🗸	Search	× Force Offline		
Flow	VPN	0	User Nan	ne	IP		

Print	Voucher Manag	ge Package	More •	Total Vo	uchers: 15	Activated Vouchers: 2 Depl	eted Vouchers ③:2				Voucher Co	ode, Alias, Packi Q	Advanced Search \vee
	Voucher Code	Alias	Package Name	Price	Period	Created at	Expired at	Devices	Bind MAC	Data Usage	Download Speed	Upload Speed	Status
	au5mbm	-	321a	-	Unlimited	2021-06-03 11:07:12		0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	qacpvn	-	321a	2	Unlimited	2021-06-03 11:07:12		0/3	No	6 MB/100 MB	Unlimited	Unlimited	Activated
	u57c6h	-	321a	-	Unlimited	2021-06-03 11:07:12		1/3	No	37 MB/100 MB	Unlimited	Unlimited	Activated
	d62hmx	1.2	321a		Unlimited	2021-06-03 11:07:12	-	0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	zsnoc2	-	321a		Unlimited	2021-06-03 11:07:12		0/3	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	ygb5br	-	31		30 Minute	s 2021-06-02 11:14:41	2021-06-02 15:31:45	0/1	No	0 MB/100 MB	Unlimited	Unlimited	Depleted
	g876dm		31		30 Minute	s 2021-06-02 11:14:41		0/1	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	fxwnnc	-	31	-	30 Minute	s 2021-06-02 11:14:41		0/1	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
	zőhwru		31	-	30 Minute	s 2021-06-02 11:14:41	2021-06-02 11:52:46	0/1	No	0 MB/100 MB	Unlimited	Unlimited	Depleted
	wc6ey8	-	31	-	30 Minute	s 2021-06-02 11:14:41	-	0/1	No	0 MB/100 MB	Unlimited	Unlimited	Not Activated
						First Previous	Page 1 of 2 Ne	xt Last					10 a 15 in total

Step 2 Try to disconnect the SSID, then connect again, check whether the login page

appear again.

							Scenario: General	Config Wiz
Auth Policy	Auth Server	Advanced Settin	ngs Whitelist	Settings User F	Permission	Online Info		
Note: After the use A complete The priviles	er goes online, an entry will b DN will be displayed for th ged group members can m	be generated recording the AD domain. anage others' access to Ir	he user as a registered use nternet.	r. You can click Edit to add a	MAC address and	specify the terminal type for the user.		
Registered	User Privile	eged Group	X Delete Selected	Search by Username	•	Search		
User Name				11.00		2222.232		
U		User Name			USI	er Type	MAC Addr	ess (Terminal Typ

6.3 Roaming Test

Connect a mobile phone with the SSID, and go upstairs from Building1 to Building2. Reconnection and Internet access failure do not occur.

6.4 Delivery report

Step 1 Click **MONITORING > Topology > Refresh** to display the actual topology of the project



Step 2 Click the **Report** to export the report of the project.

Topology Advanced	Return to Old Version
Please select the device	Refresh Download Detect Device More -
S	

7. Troubleshooting

- 7.1 What should I do if EG can not show the portal template?
 - (1) If the version is not the latest one, you need to upgrade it to the latest version.
 - (2) Check whether the feature is enabled on EG.

Rui	JIE EG							Scenario: General 😮			
∂ Home	User	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permission	Online Info				
÷	Web Auth	Note: 1. Bridge mi	Note: 1. Bridge mode is not supported.								
Common	Local Auth	2. Any two a 3. You can o	among Web authentication configure username and pa	, marketing authentication and loca assword on the User page.	al server authentication cannot be	enabled at the same time.					
₩ Flow	Block Internet Access	4. You can v 5. Users wh	view AD domain user inform o fail single sign-on will be	nation on the User page. matched with the other policies.	neerinke for Aults Integration with	Claud. Otherwise, rate limiting	men ad function assumption				
Behavior		6. Flease of	Colorte Colorte d	Level Converter	Auth Integration with Cir	Cloud. Otherwise, rate infiniting	may not function accurately.				
a		T Add Policy X	Delete selected	Local Server Auth.	Muth megration with Cit	Juu.					

- (3) Check whether the related configurations are correct on Ruijie Cloud.
- (4) Confirm the synchronization time on Ruijie Cloud.



7.2 What should I do if the vouchers and accounts are not synchronized to EG?

- (1) If the version is not the latest one, you need to upgrade it to the latest version.
 - (2) Check whether the feature is enabled on EG.

RU	jie eg							Scenario: General 😗
∂ Home	User	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permission	Online Info	
ı	Web Auth	Note: 1. Bridge m	ode is not supported.					
Common	Local Auth	2. Any two a 3. You can a	among Web authentication configure username and p	, marketing authentication and loca assword on the User page.	al server authentication cannot be	enabled at the same time.		
₩ Flow	Block Internet Access	4. You can v 5. Users wh	view AD domain user infor o fail single sign-on will be	mation on the User page. • matched with the other policies.	neerinke for Ardia Integration with	Claud Othernian rate limiting	may and function and sectors.	
Behavior		o. Flease u	sable now control in you w	and to consigure rate similation cloud		Cloud. Otherwise, rate initiality	may not runction accurately.	

- (3) Check whether the related configurations are correct on Ruijie Cloud.
- (4) Check the account status on Ruijie Cloud. If the account is expired, the vouchers and accounts will not be synchronized to EG.
- 7.3 What should I do if I fail to pop-up the portal page?
 - (1) Confirm whether the client has obtained the IP address, if not, check whether the network configuration is correct.
 - (2) Check whether the DNS is correct, try to configure the common DNS: 8.8.8.8.
 - (3) Open the browser, manually enter http://1.1.1.1 to check whether the portal page is popped up.
 - (4) Disable pop-up blocking. The browser may be set to block pop-ups so as to save data and prevent you from seeing any annoying ads when you visit website.

Settings Safari	
Search Engine	Baidu >
Search Engine Suggestions	
Safari Suggestions	
Quick Website Search	On >
Preload Top Hit	
About Safari Search & Privacy	
GENERAL	
AutoFill	>
Frequently Visited Sites	
Favorites	Favorites >
Block Pop-ups	0

7.4 What should I do if I fail to do the voucher authentication?

- (1) If the version is not the latest one, you need to upgrade it to the latest version.
 - (2) Check the failure prompts. Common failures include incorrect account and password, account expiration and traffic overdue. You can check the account status on the Ruijie Cloud.
 - (3) Try to unbind the MAC for voucher and connect them once again.

7.5 What should I do if I fail to do the seamless?

- (1) If the version is not the latest one, you need to upgrade it to the latest version.
 - (2) Check whether the user has enabled the private MAC feature.
 - (3) Check whether the MAC on the Ruijie Cloud is correct.

Bound MAC	Address List				×
Unbind	MAC	Bound at	Total Online Time	Total Traffic	Action
	cf	2021-12-27 19:55:08		0M	8
		First Previous Page 1 of 1 Next	Last	10	 1 in total

(4) Check whether the MAC on EG is correct.

RU	jie EG						Scenaric	Scenario: S&M Enterprise 😵		C Detect New Network	A Online Service	Hi, admin
∂ Home	User	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permission	Online Info					
⊵	Web Auth	Note: After the use	Note: After the user goes online, an entry will be generated recording the user as a registered user. You can click Edit to add a MAC address and specify the terminal type for the user.									
Flow	Local Auth	Auth A complete DN will be displayed for the AD domain. The privilege group methors can manage other a goos to internet.										
(1) Security	(⑦) Black Internet											
0	Access	Registered	User Privile	eged Group X Delet	se Selected Search by I	Jsername 👻	Se	arch				
User				User Name		Use	r Type		MAC	Address (Terminal Type)		Action
	1					Loc	al User			04		Edit Delete

- 7.6 What should I do if I want to pop up the portal page by visiting the https website?
 - (1) Access to EG Eweb.
 - (2) Go to User > Local Auth > Advanced Settings and enable the HTTPS Redirection.

 Home	User	Auth Policy Auth Server	Advanced Settings Whitel				
Ē	Web Auth	Network Type:					
Common	Local Auth	Auth Page IP:	Example: 192.168.1.1				
₩ Flow	Block Internet Access	Unauthorized Uptime:	0 min 🥹				
1		Authorized Uptime:	0 min 🥝				
Behavior		Auto Remember MAC:	C Enable				
(🏹 Cache		MAC Address Limit:	1				
$\widehat{\mathbb{I}}$		Seamless Auth:	Seamless MAC bypass 🗸 😵				
Security		Seamless Period Control:	Enable				
User		User Seamless Aging Time:	61 Days 🔮				
B		Fetch MAC Through DHCP Snooping:	🗌 Enable 🔞				
Network		Idle Timeout:	Z Enable 😵				
(((•		Over:	60 (1-65535) minutes, the clients				
WLAN		HTTPS Redirection:	Z Enable 🚱				

7.7 What should I do if I want the voucher code be used by another wireless client?

(1) Unbind the voucher code on Ruijie Cloud.

Bound MAC	Address List				×
	МАС	Bound at	Total Online Time	Total Traffic	Action
	0878	2021-12-22 21:30:34	1 38m 0s	OM	8
		First Previous Page 1 of 1	Next Last	10	1 in total

(2) Unbind the voucher code on EG.

Ruíjie EG							Scenario: S&M Enterprise 🛛 🔽 Config Wizard 🔽 Detect New Network 🔗 Online Service					Hi, admin
∆ Home	User	Auth Policy	Auth Server	Advanced Settings	Whitelist Settings	User Permission	Online Info					
⊭	Web Auth	Note: After the user goes online, an entry will be generated recording the user as a registered user. You can click Edit to add a MAC address and specify the terminal type for the user.										
Flow	Local Auth	A complete DN will be displayed for the AD domain. The privileged group members can manage others' access to Internet.										
() Security	Block Internet Access											
• &		Registered User	Privile	ged Group X Delet	search by	Username V	er Type	irch	MAC	Address (Terminal Type)		Action
User		0				Loo	cal User			() () () () () () () () () () () () () (Edit Delete
(3) When a new wireless client access the internet with voucher, then EG and Ruijie Cloud will bind the voucher and MAC IP address automatically.

7.8 What should I do if I want to create the policy but the AP and users are in the same IP range?

It is recommended that the user's IP network segments is separated with the AP's network segments. If can not change the IP range, you can add the APs to the whitelist.



8.1 Why can't I see the Facebook auth option in the authentication page?

EG local authentication only support one-click/ voucher/ account authentication.

8.2 Why can't I see the SMS auth option in the authentication page?

EG local authentication only support one-click/ voucher/ account authentication.

8.3 Why can't I see the post-login page after successful authentication?

The post-login configured on Ruijie cloud will not be synchronized to EG. So EG local auth does not support popping up post-login page.

8.4 What can I do if the voucher data usage exceeded but it still can be used?

The Data Quota configured on Ruijie cloud will not be synchronized to EG. So EG local auth does not support data usage limitation.

8.5 What can I do if I want to use different portal templates for different SSIDs?

Ruijie Cloud captive portal template only can synchronize one template to EG. If you need 2 SSIDs with 2 different portal templates, it is recommended that 1 SSID using the Ruijie Cloud captive portal, while another using EG local portal.

8.6 What can I do if I want to enable the seamless based on different SSIDs?

The seamless of EG local authentication is a global configuration, so it cannot be configured based on different SSIDs.

8.7 What should I do if I want to change the vouchers and accounts on the EG?

You can't edit the vouchers or accounts on the EG, but you can change it by editing on Ruijie Cloud.

8.8 How many seamless MACs do one voucher support?

One voucher supports 30 MAC maximally. The number of MAC address can be remembered by each account. But the MAC address beyond the limitation will not be authenticated.

8.9 Why the wireless clients do not need to re-authenticate without the seamless when they reconnect to the WiFi?

When the clients disconnect to the WiFi, the EG will keep the user's authentication status for 5 minutes. If the clients reconnect to the WiFi within 5 minutes, it do not need to re-authenticate.

Summary

Max Online Users	Solution	Status	Remark
<150	AP (NAS) + SW + Cloud or EG2100-P (NAS) + AP + SW + Cloud	Ready	Recommend to use EG2100-P local auth
150 - 300	EG2100-P (NAS) + AP + SW + Cloud	Ready	Voucher management on Cloud, auto sync to EG
300 - 800	EG3230 (NAS) + AP + SW + Cloud	Ready	Voucher management on Cloud, auto sync to EG
800 - 1500	EG3250 (NAS) + AP + SW + Cloud	Ready	Voucher management on Cloud, auto sync to EG
>1500	EGXXX (NAS) + AP + SW + Cloud	Based on Project	Based on Project