

# Ruijie RG-EG2100-P Series Gateways Quick Start Guide

## 1. WAN Uplink Quick Setup

### 1.1 Setup via EG local Web

1) Modify the IP address of PC.

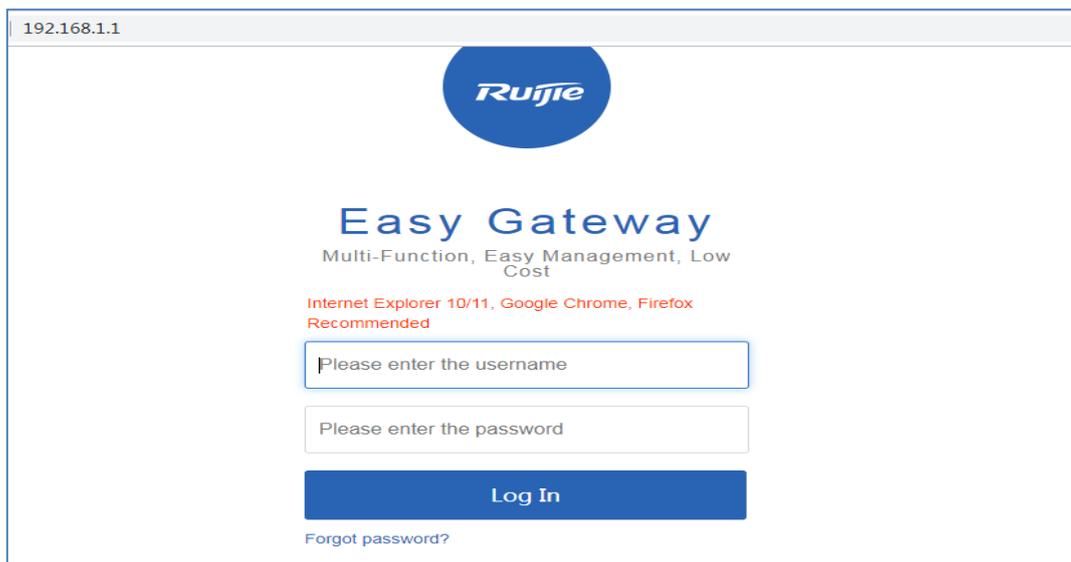
IP address: 192.168.1.x (except 192.168.1.1)

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.1 (default LAN IP)

2) Connect the PC to any port (except WAN0) on the device.

3) Visit <http://192.168.1.1> by Chrome browser.



4) Enter the username and password on the login page and click "Log In".

Default Username: admin

Default Password: admin

5) Change the password at the first login.

**Ruijie** EG2100-P Config Wizard

Reset Pwd   Scenario   Interface   Finish

**Please reset the admin password.**

User Name: admin

New Password:

Confirm Password:

Next

Select a scenario.

**Ruijie** EG2100-P Config Wizard

Reset Pwd   Scenario   Interface   Finish

**Select Scenario**

<b>General</b> Applicable to all scenarios.	<b>S&amp;M Enterprise</b> Applicable to small & medium sized enterprises.
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Previous   Next

Configure the WAN port (DHCP, Static IP or PPPoE).

It is not recommended to change the IP of LAN port; otherwise, you may need to log in and configure again. After wizard completes, you can configure LAN port on the interface configuration page.

**Ruijie** EG2100-P Config Wizard

Reset Pwd   Scenario   **Interface**   Finish

WAN Port: WAN0

Gi0/0

WAN0(Gi0/0):  -  -

Interface IP:  -  -

LAN Port: LAN2-LAN7

Gi0/2

LAN2-LAN7(Gi0/2):  -

Previous   **Next**

**Ruijie** EG2100-P Config Wizard

Reset Pwd   Scenario   **Interface**   **Finish**

Delivering...Please do not perform any operation.

10%

6) Click **Dashboard** to open the homepage, or click **Interface** to enter the interface configuration page. If the WAN port is connected to the Internet, you can access the Internet now and add the EG to the Cloud.

**Ruijie** EG2100-P Config Wizard

Reset Pwd   Scenario   **Interface**   **Finish**

Operation succeeded.

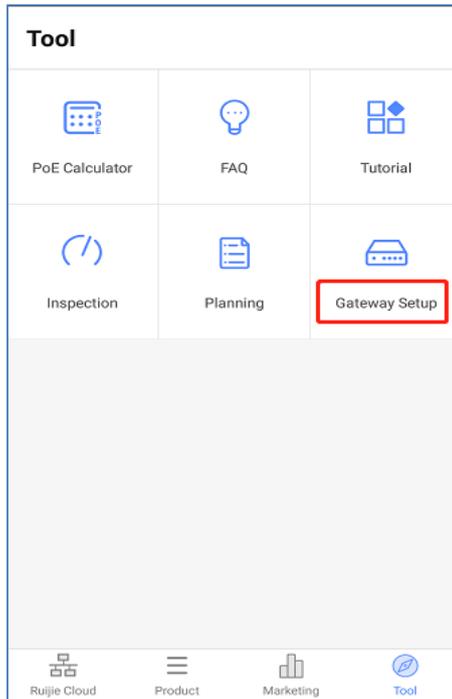
Dashboard

**Interface**

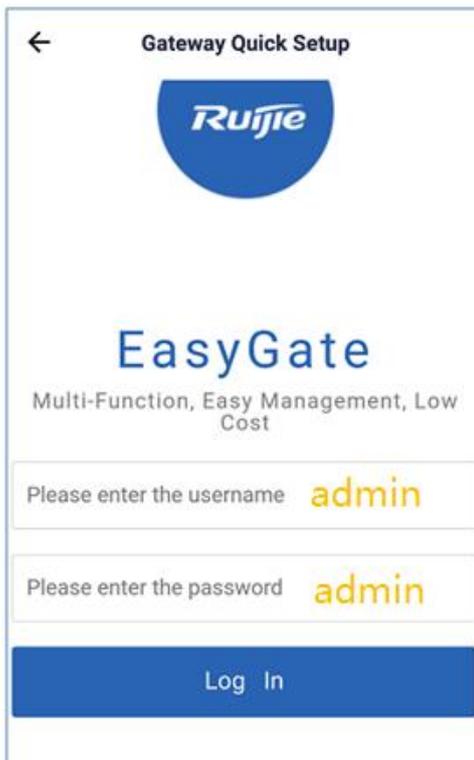
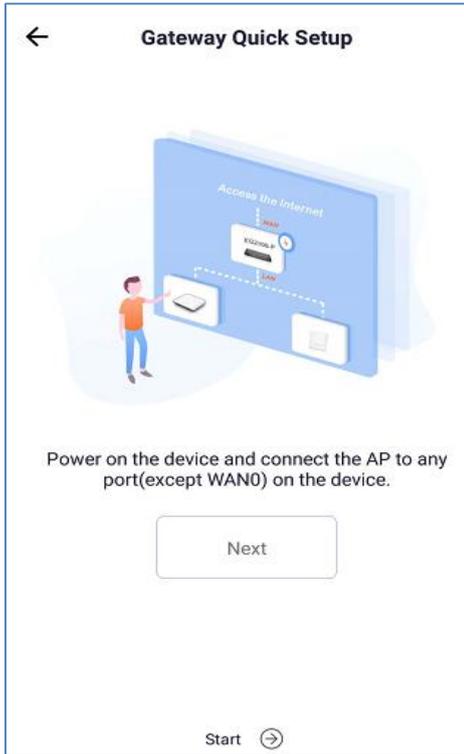
## 1.2 Setup via Mobile App (Recommended)

### 1.2.1 Configure WAN Uplink Port

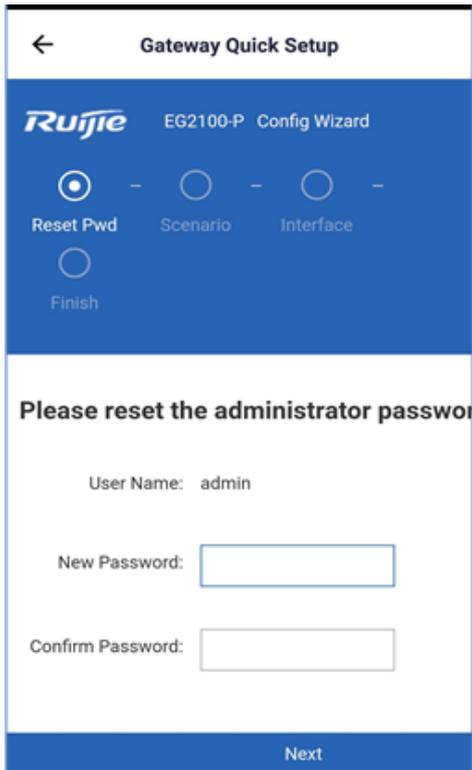
- 1) Connect AP710 to any of LAN1-LAN7 ports on EG2100-P. After AP is powered on, it will broadcast the default SSID: RJ-xxxxxx (xxxxxx is the last six digits of EG2100-P SN).
- 2) Launch **Ruijie Cloud** App, tap **Tool** menu, and tap **Gateway Setup** to start the Gateway Quick Setup, as shown below:



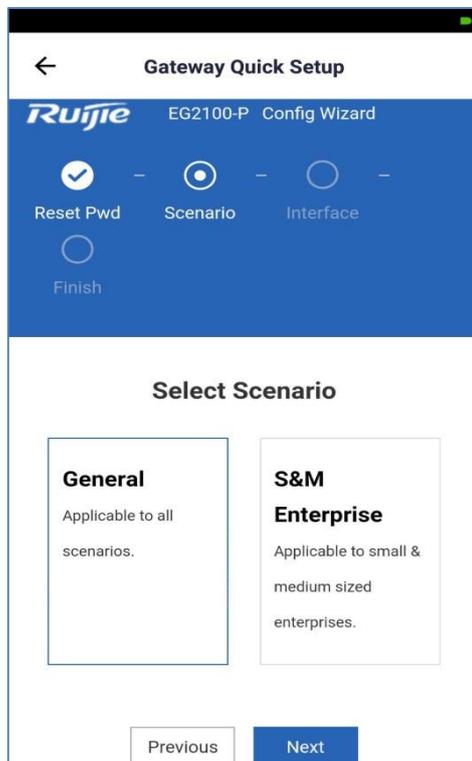
- 3) Log in with the default account (username: **admin**, password: **admin**).



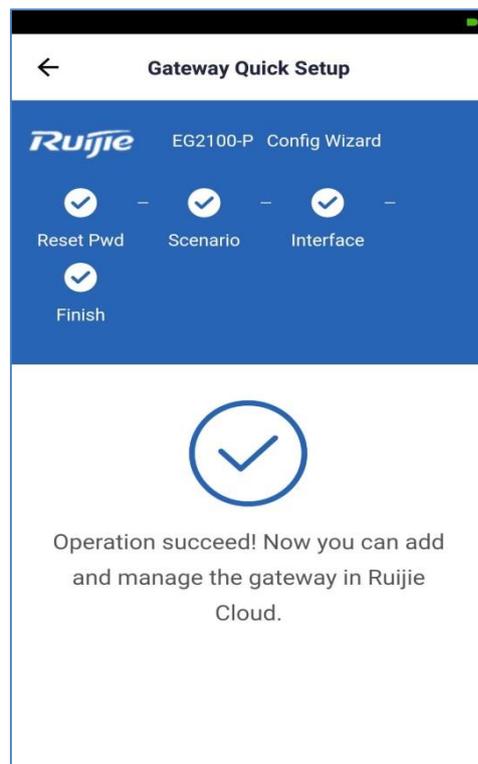
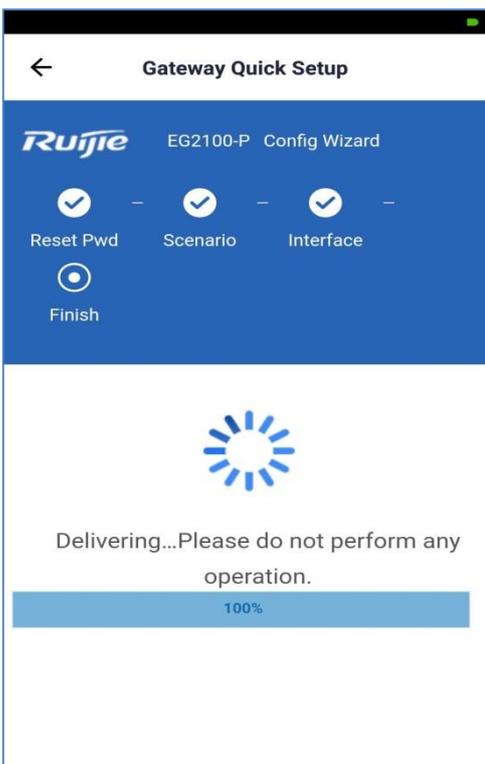
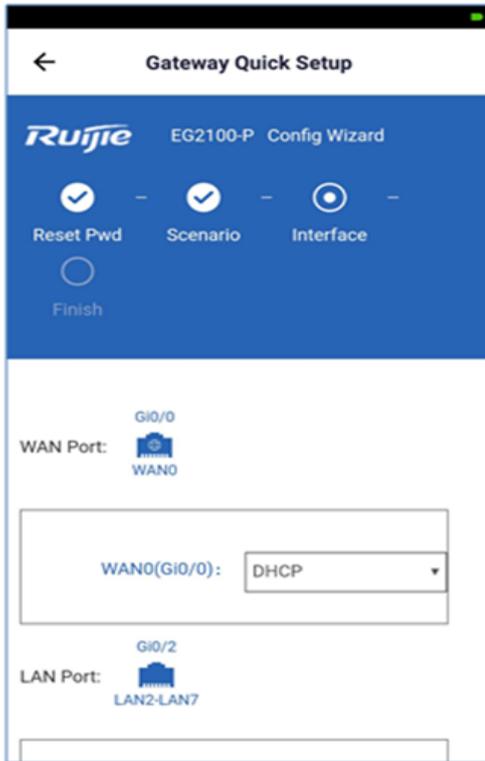
4) Reset the Web management password, and tap **Next** (**Note:** This password is required when you add EGs by scanning the QR-code).



5) Select a **Scenario**. If you select the **S&M Enterprise**, Flow Control Configuration will be added to the wizard. Here you can just tap **Next** to enter the **Interface** settings.



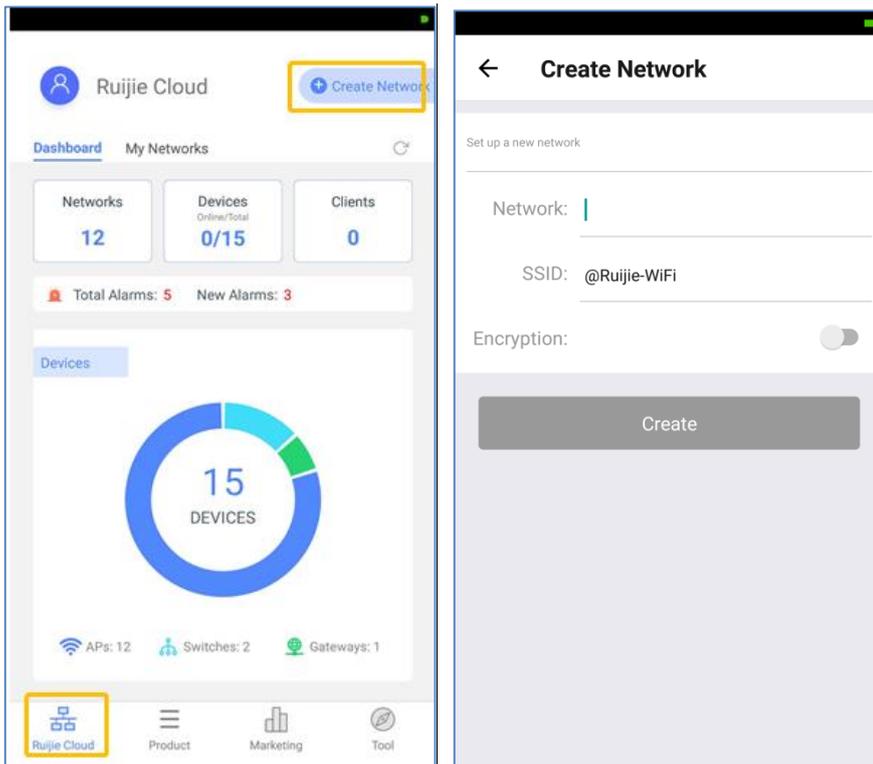
6) Configure the WAN port (PPPoE, Static IP or DHCP), tap **Next** and wait for about 5 seconds until a success message is displayed. (**Note**: After the message is displayed, EG will restart).



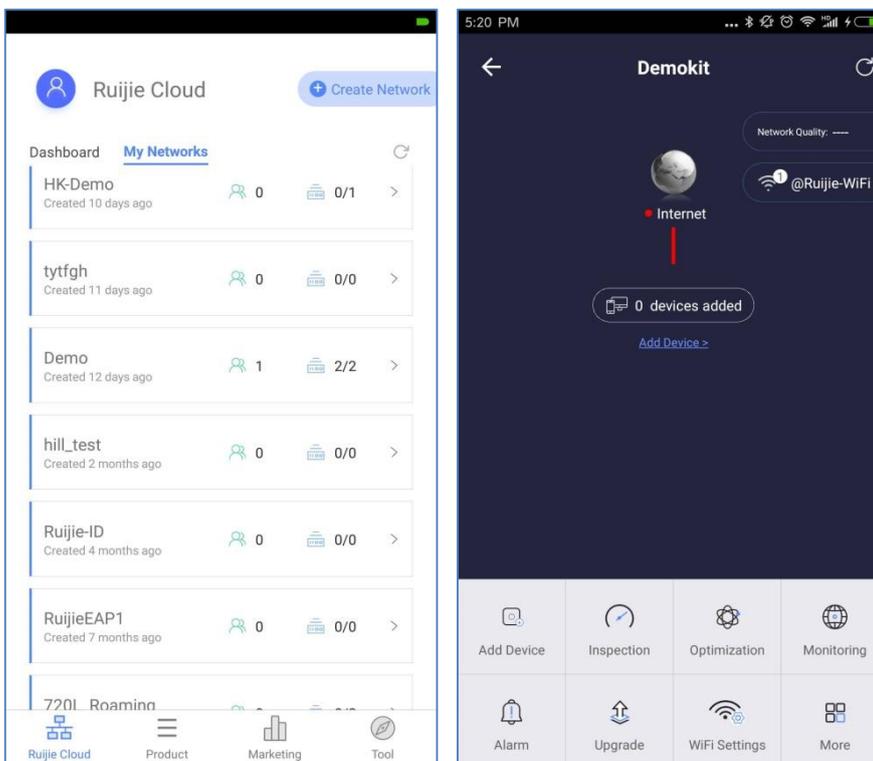
7) The initial configuration complete. Now you can create the network and add devices on App.

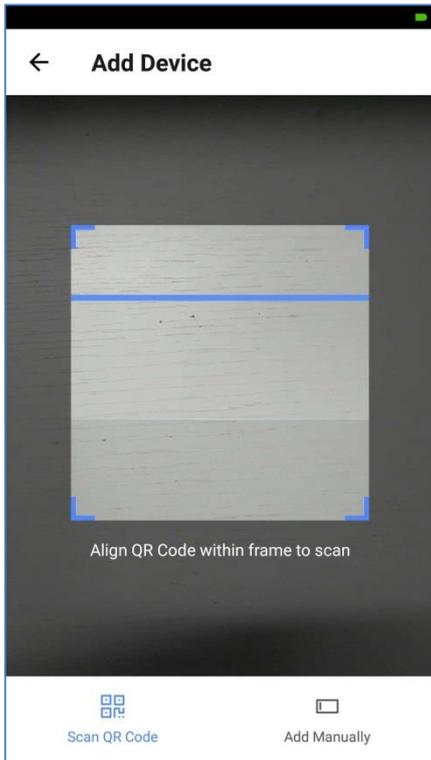
### 1.2.2 Add Network and Device

1) Open the **Ruijie Cloud** App, tap **Create Network**, and enter the network name and SSID.



2) After the network is created, enter the network and tap **Add Device** to add AP and EG2100-P by scanning the QR code (AP SN/MAC) on the back of the device. (**Note:** When adding an EG, you need to enter its Web management password.)





3) Wait for about 3 to 5 minutes, and you can see the online status of AP and EG devices.

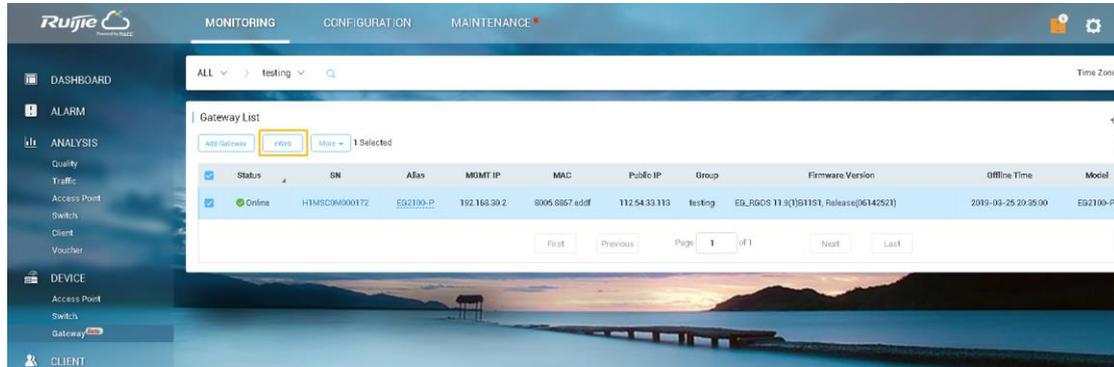


The SN/MAC QR-Code demo on the back of AP:

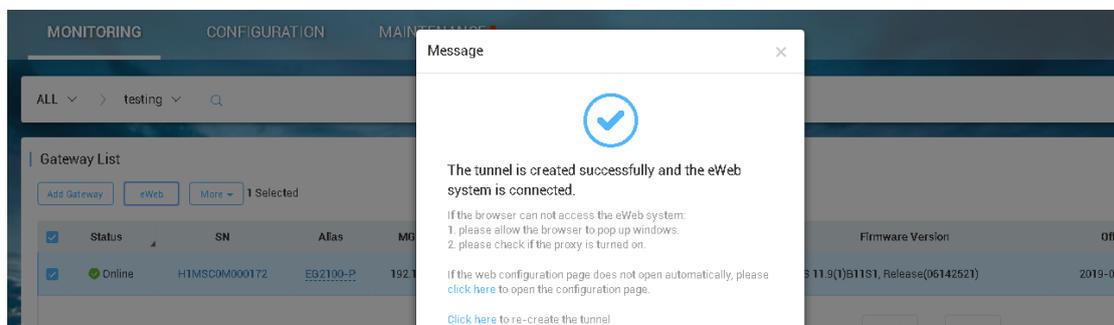


### 1.2.3 Advanced Configuration

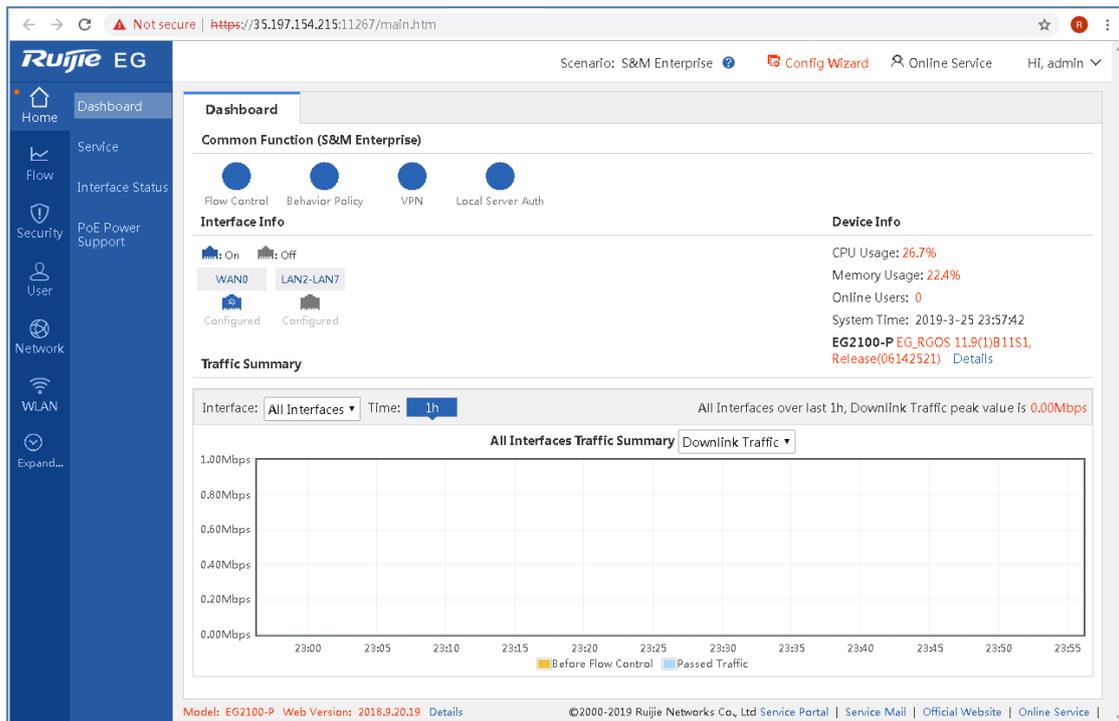
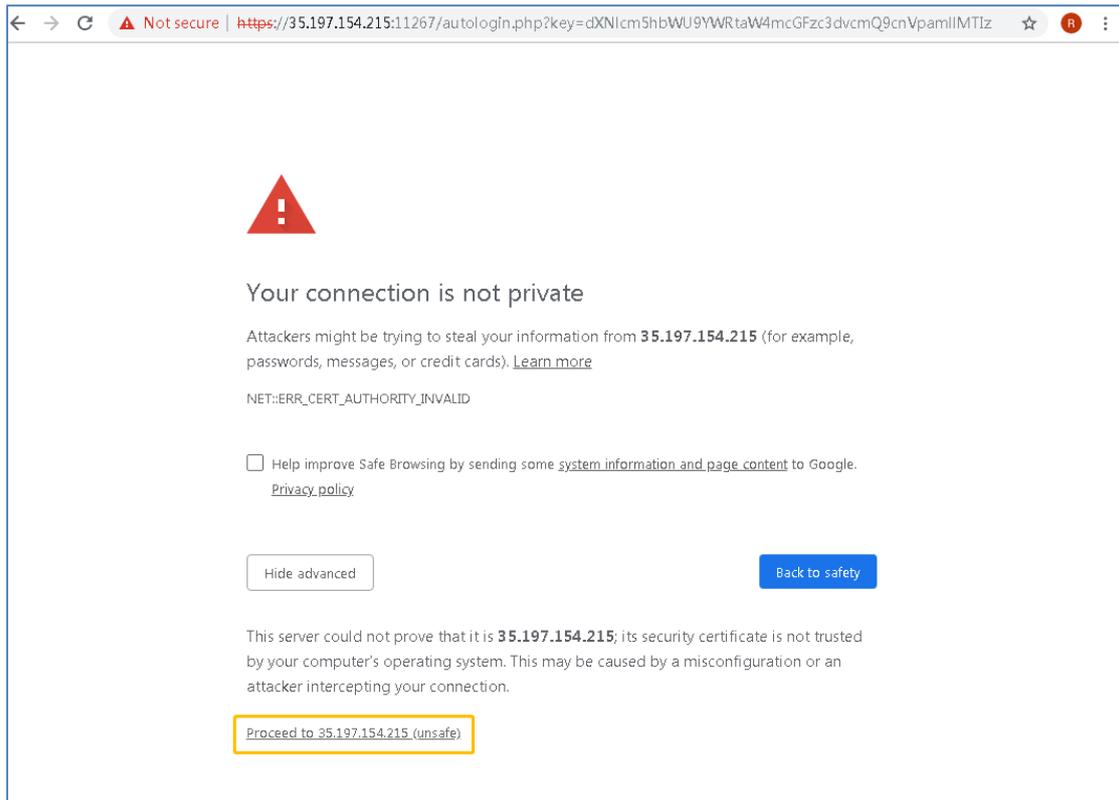
1) After an EG comes online on the Ruijie Cloud, you can visit its eWeb page for advanced configuration. Select the EG in the **Gateway List**, and click **eWeb**.



2) After the tunnel is created, the Web management page will open automatically, as shown below:

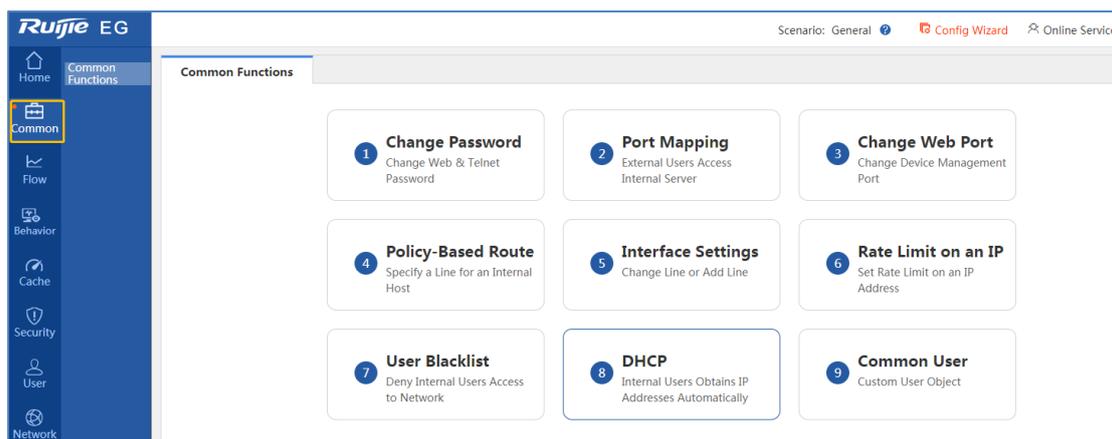


3) If the following information is displayed, click **Proceed** to enter the eWeb system.



## 2. Common Functions

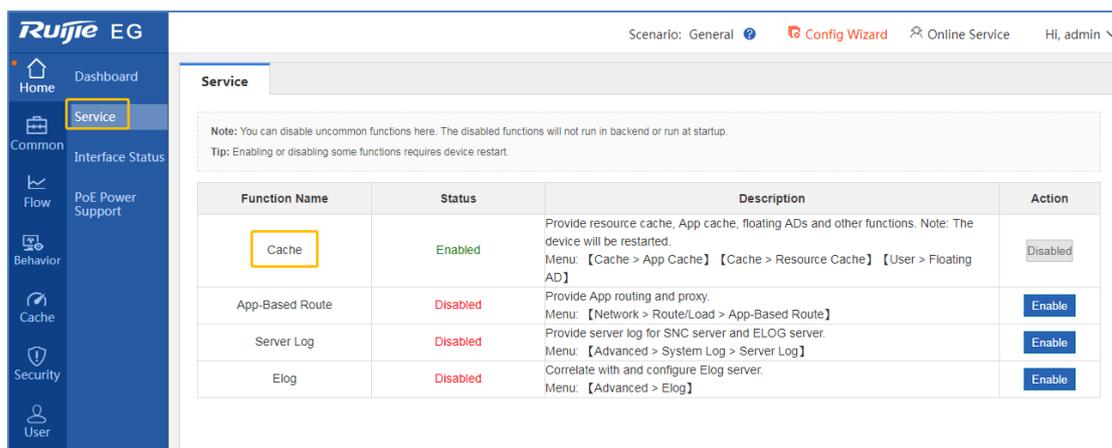
Click **Common** on the menu for commonly-used functions.



### 3. Cache Configuration

EG supports static resource (such as image, video and file) cache and App cache (both on iOS and Android).

Cache is disabled by default. You can enable it in the **Service** menu (device will restart).



#### 3.1 Resource File Cache

Static resources, including files, images and videos, can be cached on EG.

**Step1:** Set up one HTTP server and upload the file to be cached.

**Step2:** Enable the cache, and input the resource address (MUST be based on HTTP resource).

**Ruijie EG** Scenario: Common [Config Wizard](#) [Online Service](#) Hi, admin

Monitoring Hot Spot Resource **Settings**

**Note:** During configuring resources distribution address if address is domain name, you need configure DNS first stand at most configure 10 addresses.  
**Note:** Do not recommend to configure internet website as distribution address, or it may cause website cannot be accessed. This module uses TCP proxy, which will conflict with the Internet shield mode, make sure that the Internet shield mode is turned off.

Enable Cache:  ON

**Resources Distribution Address** Cache Capacity (Used: 776.44MB, Total Capacity: 100.00GB) Disk Capacity(Free: 444056.28MB, Total Capacity: 469454.72MB)

Resources Address1:  \* X Delete + add  
 Source IP:

**Resources Distribution Settings**

Latest Distribution Status: [Latest Distributed Details]

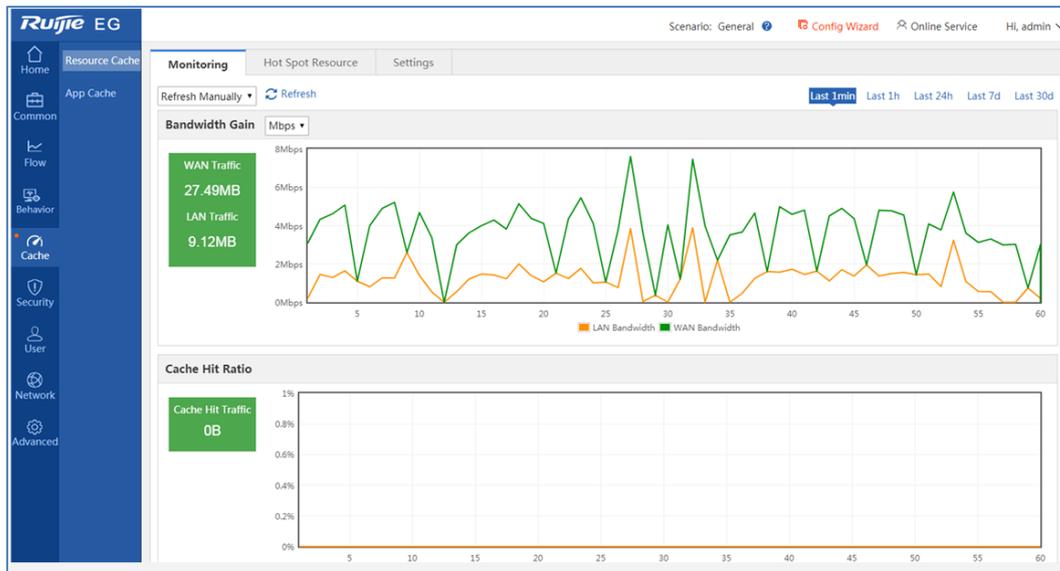
Interval:  \*

Distribution Time:  H  M ~  H  M [▶ Start Distributing](#)

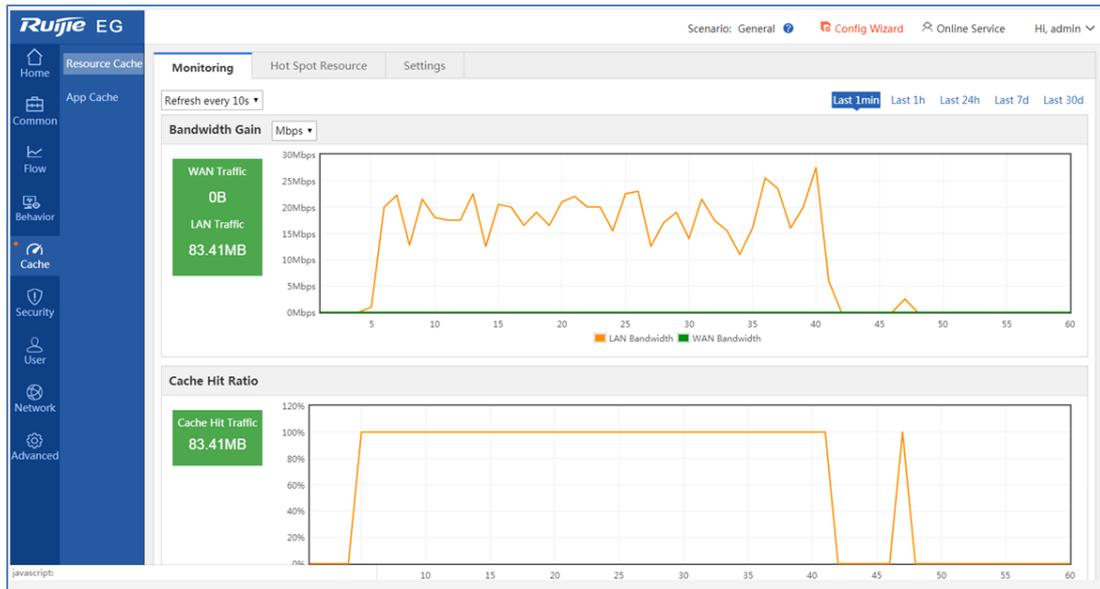
[Save](#) [Restore Default Values](#)

## Example

When cache is disabled, the traffic mainly comes from WAN:



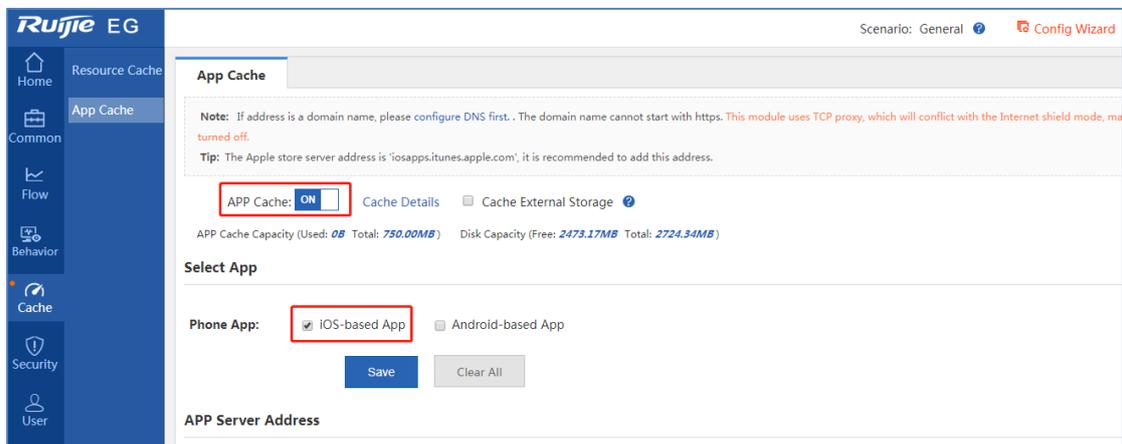
When cache is enabled:



As the file is downloaded from cache, the WAN traffic throughput is lower and the Internet bandwidth is saved. Even when the Internet bandwidth is limited to 0.5 Mbps, the download speed can reach 15.5MB/s (124Mbps).

### 3.2 iOS App Cache

**Step1: Enable APP Cache and select iOS-based App.**



**Step2: Enter the App server address and enable all HTTP. Keep the App name and App address empty.**

**APP Server Address**

All HTTP (Port 80)

Address1 :  \* X Delete +add

Save Clear All

---

**Cache Specified App** **App Name** (Android-based and Apple-based Application)

App Name1 :  \* X Delete +add

Save Clear All

---

**Cache Specified App** **Time Window**

Address1 :  \* X Delete +add

Save Clear All

**Step3:** After STA begins to download the App from App Store, you can check the EG cache status.

**Ruijie EG** Scenario: General

Home Resource Cache

App Cache

Common

Flow

Behavior

Cache

Security

User

**App Cache**

Note: If address is a domain name, please configure DNS first. The domain name cannot start with https. This module uses TCP proxy, which will conflict with the Internet shield mode, m turned off.

Tip: The Apple store server address is 'iosapps.itunes.apple.com', it is recommended to add this address.

APP Cache:  ON **Cache Details**  Cache External Storage

APP Cache Capacity (Used: 0B Total: 750.00MB) Disk Capacity (Free: 2473.17MB Total: 2724.34MB)

**Select App**

Phone App:  IOS-based App  Android-based App

Save Clear All

**APP Server Address**

EG caches the App when the STA downloads the App for the first time.

Note: URL in iTunes varies with iPhone model.

Cache Details - Google Chrome

Not secure | 172.31.61.250/woc\_pi/app\_cachedetail.htm

### Latest Successful Cache

Cache Name	Cache Size	Cache Time
iosapps.itunes.apple.com/apple-assets-us-std-000001/Purple124/v4/fa/e2/89/fae28917-d300-7671-224a-d7aa0c5f12c5/pre-thinned4796250749405821649.thinned.signed.dpkg.ipa	200.13MB	20190221 11:24:10
iosapps.itunes.apple.com/apple-assets-us-std-000001/Purple124/v4/74/ac/13/74ac13d3-4b77-0e9f-8109-6caef294f491/pre-thinned4796250749405821649.thinned.signed.dpkg.ipa	200.08MB	20190221 11:00:17

Show No.: 10 Total Count:2

First Pre 1 Next Last 1 GO

### Latest Failed Cache

Cache Name	Cache Size	Cache Time
No Record Found		

Show No.: 10 Total Count:0

First Pre Next Last 1 GO

### 3.3 Android App Cache

EG supports Android APK download link (Note: Google Play is not supported).

**Step1: Enable APP Cache and select Android-based App.**

Scenario: Common Config Wizard Online Service Hi, admin

**App Cache**

Note: If address is domain name, you need configure DNS first, and address cannot be HTTPS address! This module uses TCP proxy, which will conflict with the Internet shield mode, make sure that the Internet shield mode is turned off.  
Tip: The download server of Apple store is 'iosapps.itunes.apple.com', recommend to add this resources address.

APP Cache:  ON [Latest Distributed Details]

APP Cache Capacity(Used: 426.16MB / Total Capacity: 100.00GB) Disk Capacity(Free: 88908.55MB / Total Capacity: 930772.03MB)

**Select App**

Phone App:  Apple-based App  Android-based App

Office App:  Windows Patch  360 Safety Guard Patch  Tencent Computer Manager

Custom Type:  Use | to separate types. Example: ipajapk

Custom Feature:  Use | to separate features. Example: windowsupdate|360safe

File Type: apk

URL Feature:

Save Clear All

APP Server Address

**Step2: Enter the App server address and enable all HTTP, as shown below:**

**APP Server Address**

All HTTP (Port 80)

Address1:  \* X Delete +add

**Cache Specified App App Name (Android-based and Apple-based Application)**

App Name1:  \* X Delete +add

**Cache Specified App Time Window**

Address1:  \* X Delete +add

**Step3:** STA begins to download from the above link.

**Ruijie EG** Scenario: Common Config Wizard Online Service Hi, admin

**App Cache**

Note: If address is domain name, you need configure DNS first, and address cannot be HTTPS address! This module uses TCP proxy, which will conflict with the Internet shield mode, make sure that the Internet shield mode is turned off.  
Tip: The download server of Apple store is 'iosapps.itunes.apple.com', recommend to add this resources address.

APP Cache:  ON

APP Cache Capacity(Used: 426.16MB , Total Capacity: 100.00GB) Disk Capacity(Free: 88908.55MB , Total Capacity: 93772.03MB)

**Select App**

Phone App:  Apple-based App  Android-based App

Office App:  Windows Patch  360 Safety Guard Patch  Tencent Computer Manager

Custom Type:  Use | to separate types. Example: |palapk

Custom Feature:  Use | to separate features. Example: windowsupdate|360safe

File Type: apk

URL Feature:

EG caches the App when the STA downloads the App for the first time.

Cache Details - Google Chrome

Not secure | 172.31.61.250/woc\_pi/app\_cachedetail.htm

**Latest Successful Cache**

Cache Name	Cache Size	Cache Time
app.ruijienetworks.com:50090/tool/app/RuijieCloudAppV1.4.1OutPut.apk	25.95MB	20190221 16:00:51
iosapps.itunes.apple.com/apple-assets-us-std-000001/Purple124/v4/fa/e2/89/fae28917-d300-7671-224a-d7aa0c5f12c5/pre-thinned4796250749405821649.thinned.signed.dpkg.ipa	200.13MB	20190221 11:24:10
iosapps.itunes.apple.com/apple-assets-us-std-000001/Purple124/v4/74/ac/13/74ac13d3-4b77-0e9f-8109-6caef294f491/pre-thinned4796250749405821649.thinned.signed.dpkg.ipa	200.08MB	20190221 11:00:17

Show No.: 10 Total Count:3   1

**Latest Failed Cache**

Cache Name	Cache Size	Cache Time
No Record Found		

Show No.: 10 Total Count:0

When other STAs download the App again in the same network, they will get App from EG Cache.

