



5G CPE

User Manual

V 1.0.3



Xiamen Four-Faith Communication Technology Co., Ltd.
<https://www.fourfaith.com>

Revision History

Date	Version	Declaration	Author
2022-09-28	V1.0.0	Initial version	Jonas
2023-02-25	V1.0.1	1.Modify the signal light value range 2. Improve the introduction of configuration functions	Limiao
2023-03-01	V1.0.2	Add FCC and CE declarations.	Jonas
2023-8-14	V1.0.3	English Version Update	Larry

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Product Applicability Statement

This user manual explains how to configure the following devices:

- F-NR300
- F-NR300 V2

FCC Statement:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or

television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Federal Communication Commission (FCC) Radiation Exposure Statement

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

CE Warning:

1. The product shall only be connected to a USB interface of version USB2.0 or higher.
2. Adapter shall be installed near the equipment and shall be easily accessible.
3. Supply by specified adapter the operating temperature of the device.can't exceed 40°C and shouldn't be lower than -10°C. Supply by other power supply the operating temperature of the device.can't exceed 60°C and shouldn't be lower than -20°C.
4. The plug considered as disconnect device of adapter.
5. The device complies with RF specifications when the device used at 20cm from the body.

Hereby, Xiamen Four-Faith Communication Technology Co.,Ltd declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

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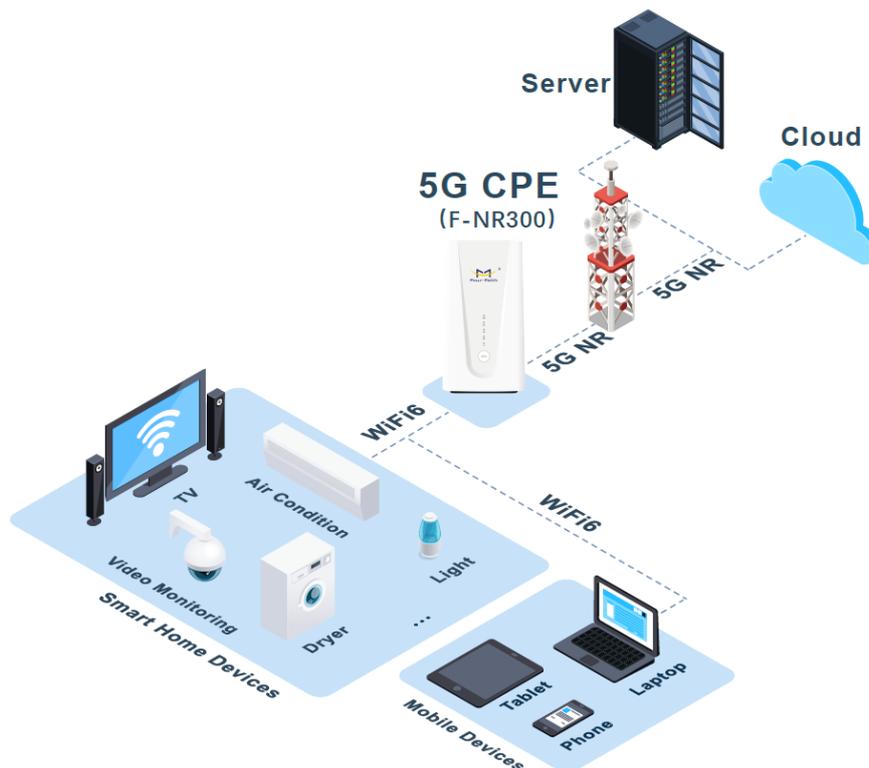
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Chapter 1 Product Introduction

1.1 Product Overview

The F-NR300 is a high-performance 5G indoor CPE that supports NR (SA&NSA), TDD-LTE, and FDD-LTE. It converts cellular network data into WiFi and wired Ethernet data, supporting one 1G LAN port, one 2.5G LAN/WAN port, and 2.4G+5G dual-band WiFi-AP. It is suitable for home or commercial scenarios that require fast deployment of wired broadband networks and WiFi hotspots.



1.2 Product Features

- ◆ **Utilizes High-performance Processor**
Ensures high-speed processing performance for 5G networks, ushering in a new era of 5G, and bringing you more exciting experiences at your fingertips.
- ◆ **Full Network Coverage**
Compatible with SA and NSA modes. Circular unobstructed layout ensures 360-degree signal capture without dead zones. Built-in dual-polarized 4x4 WiFi antennas, 20% reduction in antenna volume, high isolation, enhancing transmission and reception performance.
- ◆ **WiFi 6**
High-speed WiFi 6 technology, envisioning 5G high rates; provides higher transmission rates, lower latency, and broader coverage for simultaneous communication of multiple devices.

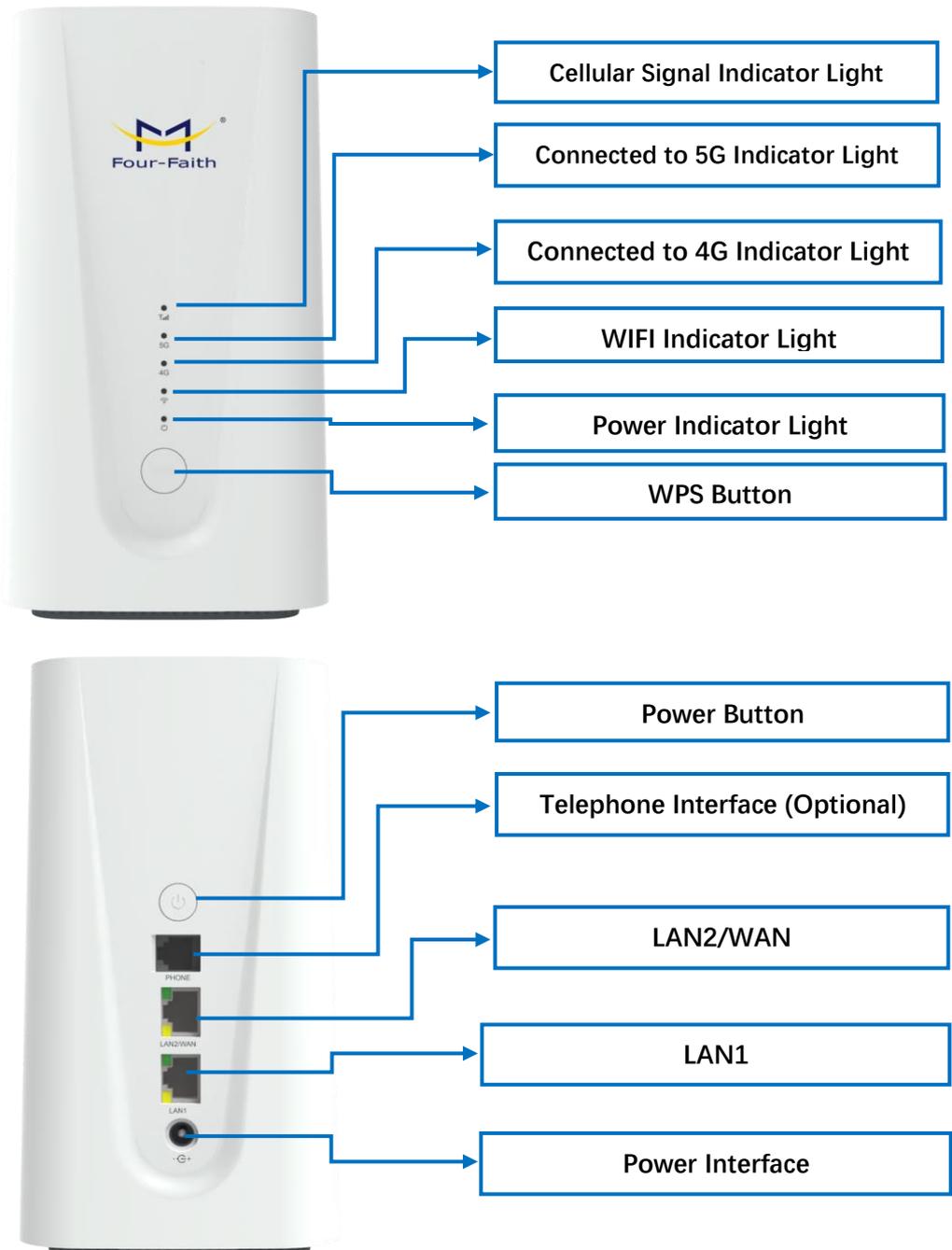
◆ **Plug and Play**

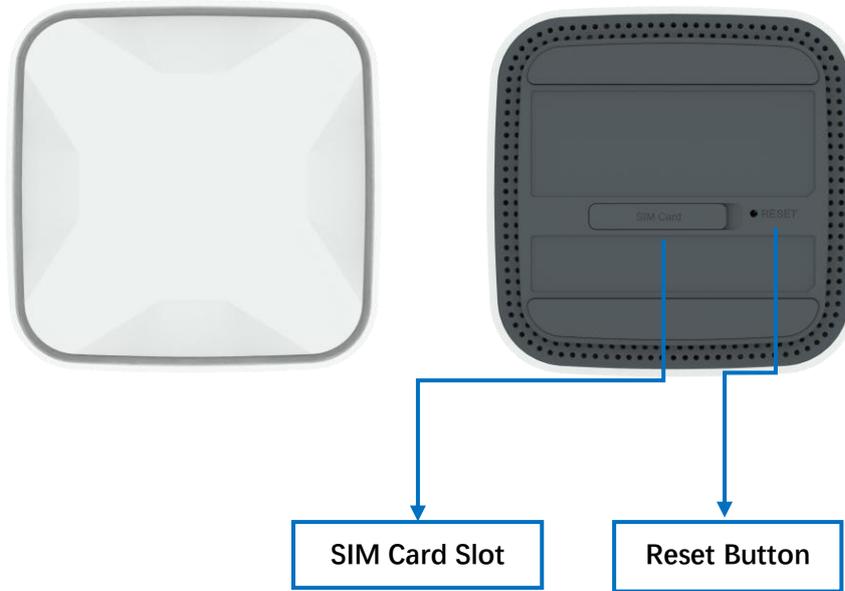
The backend performs real-time detection and automatic repair of network issues, eliminating the need for manual restarts or network reconfigurations. This simplifies internet connectivity, requiring no manual intervention.

◆ **Efficient Heat Dissipation**

Uses high-conductivity material for heat dissipation, streamlined design, top chimney design, enhances heat dissipation significantly through fan convection, ensuring stable operation even during prolonged high-speed operation.

1.3 Product Appearance Overview





1.4 Product Specifications

F-NR300

Wireless Parameters

<p>Frequency Bands and MIMO</p>	<p>5G NR NSA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79</p> <p>5G NR SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79</p> <p>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71</p> <p>LTE-TDD: B34/B38/39/B40/B41/B42/B43/B48</p> <p>WCDMA: B1/B2/B3/B4/B5/B6/B8/B19</p> <p>5G NR: DL 4 × 4 MIMO: n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79 UL 2 × 2 MIMO: n41</p> <p>LTE: DL 4 × 4 MIMO: B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/39/B40/B41/B42/B43/B48/B66</p> <p><i>Note: B32/B46 only supports reception. Supported frequency bands may vary depending on the selected regional version.</i></p>
<p>Theoretical Maximum Speed</p>	<p>5G Sub-6: Downlink Speed: 4.67 Gbps, Uplink Speed: 1.25 Gbps</p> <p>LTE: Downlink Speed: 1.6 Gbps, Uplink Speed: 211 Mbps</p>

Hardware Parameters

CPU	Cortex-A55@2.0GHz, Quad-core
FLASH	32GB (North American version) 1GB (European and Chinese versions)
LPDDR4	2GB ((North American version) 1GB (European and Chinese versions)

Power Supply

Standard Power Supply	DC 12V/3A
Power supply range	DC 9~24V
Operating current	< 1.3A (12V)

Interface Parameters

LAN 2 / WAN	1 x 2.5G Ethernet port (RJ45), reusable as WAN, adaptive MDI/MDIX
LAN 1	1 x 1G Ethernet port (RJ45), adaptive MDI/MDIX
Phone	1 x RJ11 (optional)
Indicator Lights	Signal, 5G, 4G, WIFI, Power
SIM Card	Nano-SIM, Compatible with patch eSIM
Power Interface	Three-core DC locomotive power socket with built-in power reverse protection.
USB	Type C
Reset Button	Can restore parameter configuration to factory settings.

Physical Characteristics

Enclosure	ABS material
Dimensions	178x99x99mm
Weight	650g
Working temperature	-20~+60°C
Storage Temperature	-40~+85°C
Relative Humidity	95% (non-condensing)

Model Information

F-NR300-NA	North American version, FLASH: 32GB, LPDDR4: 2GB Supported Frequency Bands: 5G Sub-6: n2/5/7/12/14/25/30/41/48/66/71/77/78 LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71
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	LTE TDD: B41/46/48 WCDMA: B2/4/5
F-NR300-EA U	European version, FLASH: 1GB, LPDDR4: 1GB Supported Frequency Bands: 5G Sub6: n1/3/5/7/8/20/28(a&b)/38/40/41/77/78/79 LTE FDD: B1/3/5/7/8/18/19/20/26/28(a&b)/32 LTE TDD: B38/40/41/42/43/46 WCDMA: B1/5/8
F-NR300-CN	Chinese version, FLASH: 1GB, LPDDR4: 1GB Supported Frequency Bands: 5G Sub6: n1/3/5/7/8/20/28(a&b)/38/40/41/77/78/79 LTE FDD: B1/3/5/7/8/18/19/20/26/28(a&b)/32 LTE TDD: B38/40/41/42/43/46 WCDMA: B1/5/8

F-NR300 V2

Wireless Parameters

Frequency Bands and MIMO	5G NR NSA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 5G NR SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/ B32/B66/B71 LTE-TDD: B34/B38/39/B40/B41/B42/B43/B48 WCDMA: B1/B2/B3/B4/B5/B6/B8/B19 5G NR: DL 4 × 4 MIMO: n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79 UL 2 × 2 MIMO: n41 LTE: DL 4 × 4 MIMO: B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/39/B40/B41/B42/B43/B48/B66 Note: B32/B46 only supports reception. Supported frequency bands may vary depending on the selected regional version.
Theoretical Maximum Bandwidth	NR SA: Downlink Speed 1.92Gbps, Uplink Speed 630Mbps NR ENDC: Downlink Speed 1.92Gbps (B39+N41 1.7Gbps), Uplink Speed 380Mbps LTE: Downlink Speed 487Mbps, Uplink Speed 150Mbps WCDMA: Downlink Speed 42Mbps, Uplink Speed 11Mbps

Hardware Parameters

CPU	MTK7621 CPU@880MHz, dual-core processor
FLASH	128MB

DDR3	512MB
WIFI parameters	
WIFI protocol	IEEE802.11 a/b/g/n/ac/ax
Frequency Bands	2.4GHz+5GHz
Theoretical Maximum Bandwidth	2.4GHz 2x2MIMO 11ax, 0.573 Gbps 5GHz 2x2MIMO 11ax, 1.2 Gbps
Supported WiFi Frequency Bands	20MHz, 40MHz, 80MHz
Power Supply	
Standard Power Supply	DC 12V/3A
Power Supply Range	DC 9~24V
Operating Current	< 1.3A (12V)
Interface Parameters	
LAN 2 / WAN	1 x 1G Ethernet Interface (RJ45), can be reused as WAN, adaptive MDI/MDIX
LAN 1	1 x 1G Ethernet Interface (RJ45), adaptive MDI/MDIX
Phone	1 x RJ11 (optional)
Indicator Lights	Signal, 5G, 4G, WIFI, Power
SIM Card	Nano-SIM, Compatible with SMD eSIM
Power Interface	Three-core DC locomotive power socket, with built-in power reverse protection.
USB	Type C
Reset Button	Parameters can be restored to factory settings.
Physical Characteristics	
Enclosure	ABS material
Dimensions	178x99x99mm
Weight	638g
Working Temperature	-20~+60°C
Storage Temperature	-40~+85°C
Humidity	95% (non-condensing)
Model Information	
F-NR300 V2	Cellular Data Network (5G NR), 2.4G/5G WiFi, SIM1 (or eSIM)

1.5 Indicator Light Function Description

Indicator Light	Name	Definition Explanation
	Cellular Signal Indicator Light	Cellular Signal Indicator Light 1. Blue: Indicates signal strength with RSRP > -95dBm or RSCP > -80dBm. 2. Yellow: Indicates signal strength with RSRP ≤ -95dBm or RSCP ≤ -80dBm."
5G	5G Connection Indicator Light	Connected to 5G Network 1. Steady on: Indicates connection to a 5G network. 2. Off: Indicates no network connection. 3. Blinking: Indicates dialing; blinking frequency is 500ms/time.
4G	4G Connection Indicator Light	Connected to 4G/3G Network 1. Steady on: Indicates connection to a 4G/3G network. 2. Off: Indicates no network connection. 3. Blinking: Indicates dialing; blinking frequency is 500ms/time.
	WiFi Signal Indicator Light	WiFi Signal Indicator Light 1. Steady on: Indicates WiFi is enabled. 2. Blinking: After pressing the WPS button, blinks every 500ms, lasting for 2 minutes. 3. Off: Indicates WiFi is disabled.
	Power Indicator Light	Power Indicator Light 1. Steady on: Indicates normal power supply. 2. Off: Indicates abnormal power supply.

1.6 Button Function Description

Button	Definition Explanation
	1.Pressing this button will cause the WiFi indicator light to blink every 500ms for 2 minutes. After successful connection, the WiFi light will stop blinking and remain steadily blue. 2.User devices can establish a secure WiFi connection without manually entering the password.
	1.Default startup: Press and hold the power button for about 3 seconds to shut down. 2.Shutdown state: Replug the power to automatically turn on.

	3.Shutdown state: Press and hold the power button for about 3 seconds to power on. Note: For F-NR300 V2, long press is for reboot and not for shutting down.
<ul style="list-style-type: none"> • RESET 	Press and hold the button for >10 seconds to restore factory settings.

1.7 Interface Definition Explanation

Interface	Name	Definition Explanation
Phone (optional)	Telephone Interface	Telephone RJ11 Interface Can directly connect a telephone for making calls.
LAN2/WAN	Ethernet port	1. If the interface's green indicator light is solid, it indicates a normal connection. 2. If the interface's yellow indicator light is flashing, it indicates data transmission or reception.
LAN1	Ethernet port	1. If the interface's green indicator light is solid, it indicates a normal connection. 2. If the interface's yellow indicator light is flashing, it indicates data transmission or reception.
	Power Interface	DC 12V/3A
SIM Card	Nano-SIM Card Slot	Install Nano-SIM Card
USB Interface	Type-C Interface	The Type-C interface is for development personnel debugging only.

Chapter 2 Install Internet Configuration

2.1 SIM Card Internet

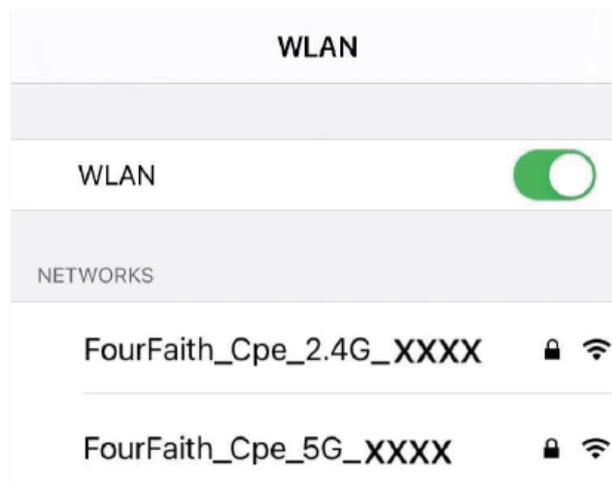
Step 1: Insert the SIM card as shown (chip facing down, notch inward).



Step 2: Power on the device, it will automatically boot up. The signal indicator light will stay solid, and the 5G/4G indicator light will also stay solid, indicating successful dial-up.

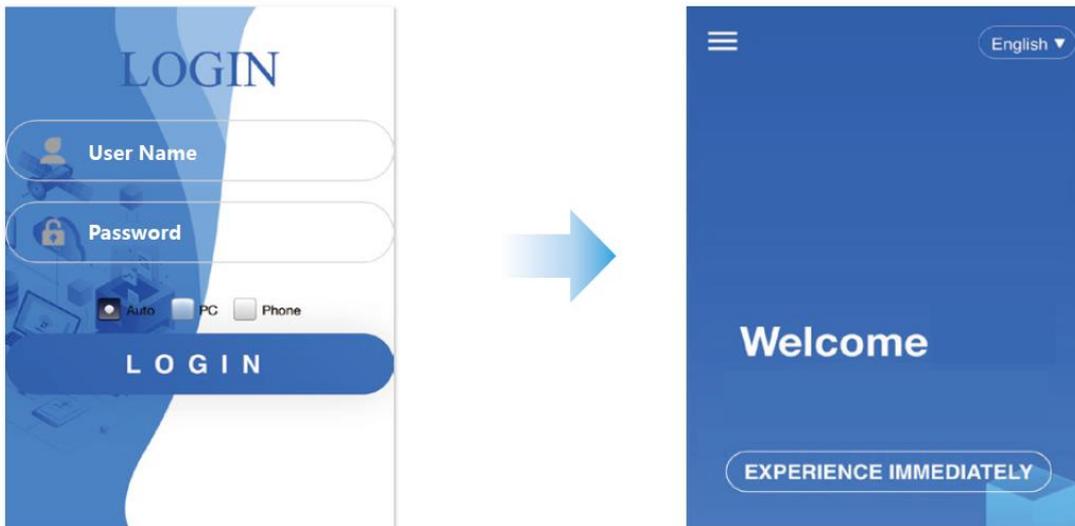


Step 3: Connect the terminal device to the CPE via LAN port or WiFi to access the external network.

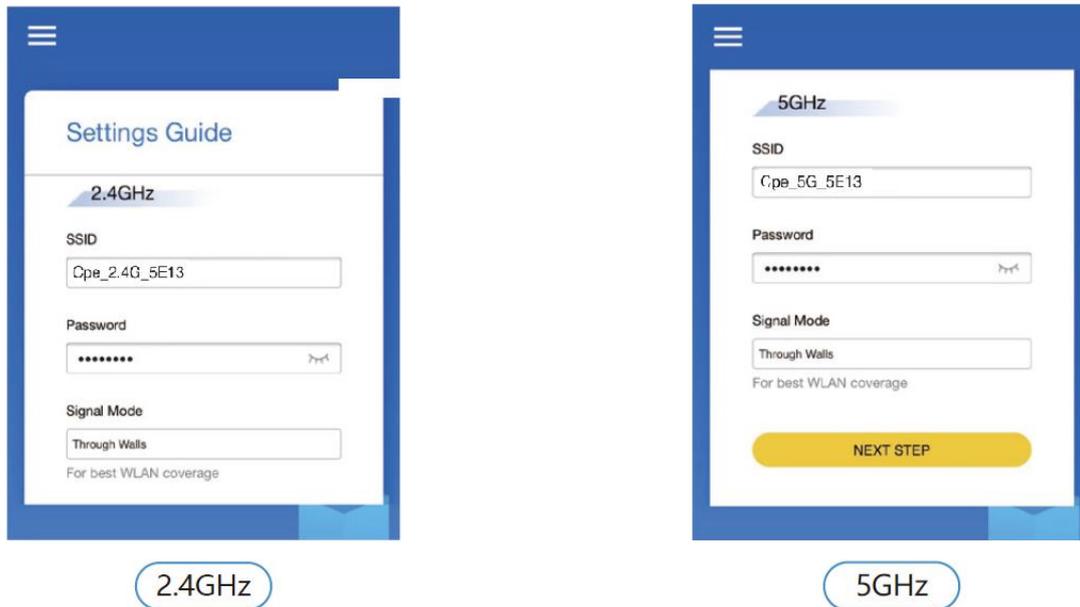


初始密码: 12345678

Step 4: If you need to make further configurations, open a web browser and manually enter: 192.168.1.1. Initial username: admin, initial password: admin.



Step 5: Set the username and password for WLAN.

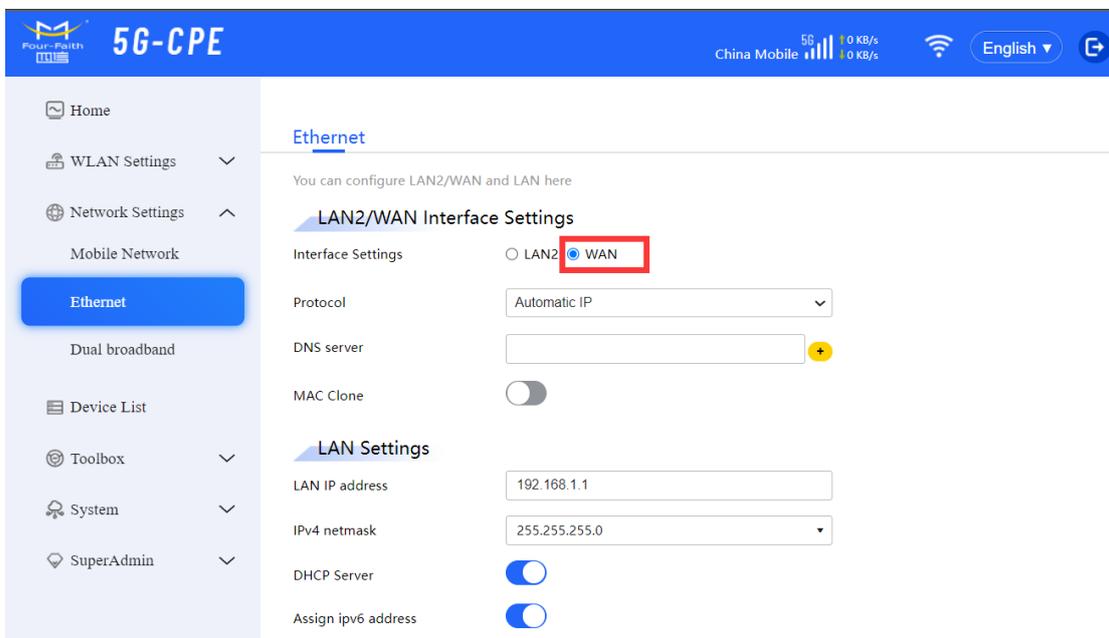


Step 6: Set the login password for the host device. After applying the settings, the page will redirect to the login page. Enter the newly set username and password (Username: admin, password is the newly set value), and click login. Configuration is complete!

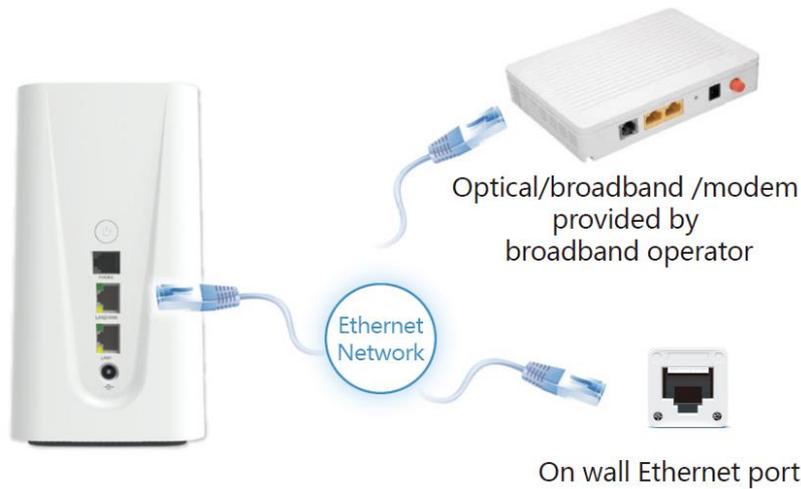


2.2 Wired Broadband Internet Access

Step 1: By default, the LAN2/WAN port is configured as a LAN port. It needs to be configured as a WAN port. Connect the power supply, the device will boot up automatically. After connecting a terminal device to the CPE, access the WEB page, configure the LAN2/WAN port as a WAN port, then save and apply the setting.



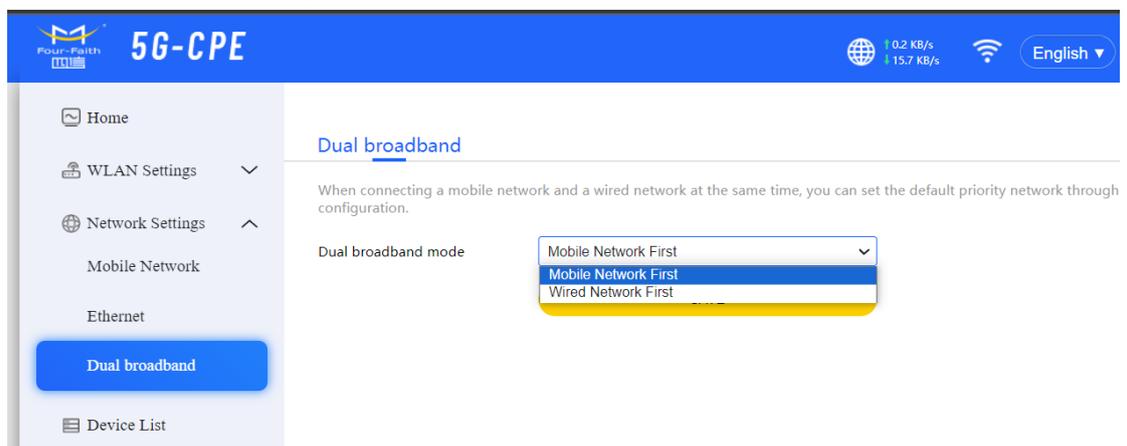
Step 2: Connect one end of the Ethernet cable to the upstream device (ONT/broadband modem/modem/wall-mounted Ethernet jack, etc.), and connect the other end to the CPE's LAN2/WAN port. The status bar and homepage on the WEB page will display the Internet uplink and downlink traffic icons, indicating that the wired broadband is functioning properly.



Step 3: Connect your terminal device to the CPE's LAN port using an Ethernet cable or connect to the CPE's WiFi network. This will allow your terminal device to access the internet.

2.3 Dual-Band Bandwidth Priority Setting.

The WEB configuration page allows you to set the priority between mobile network and Ethernet, with mobile network being the default priority (i.e., SIM card network).



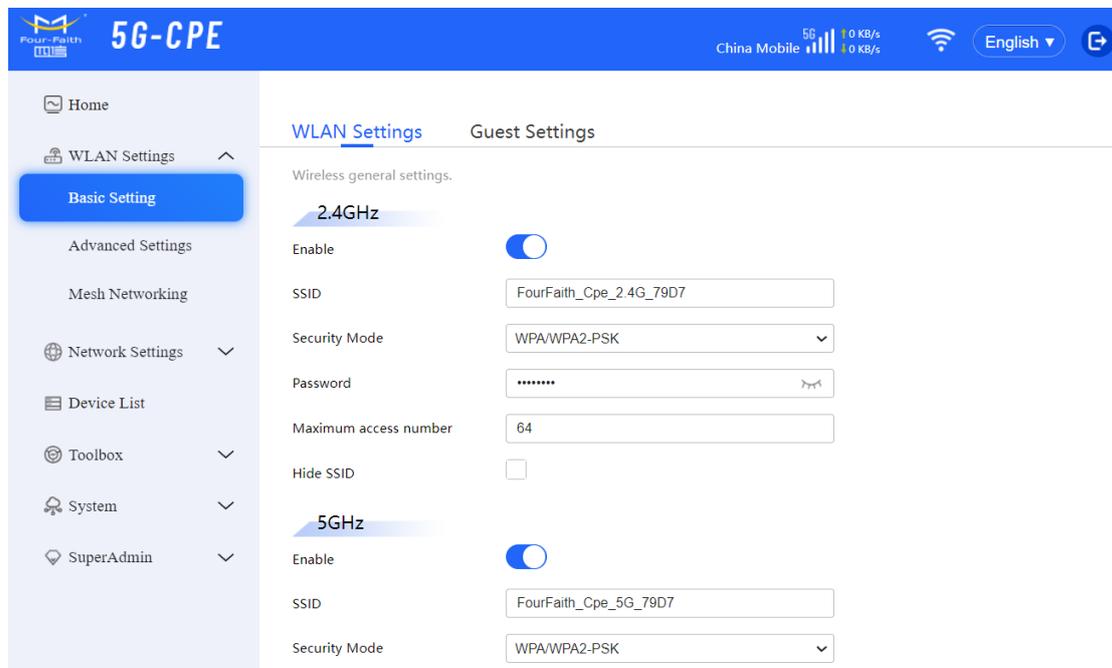
Insert the SIM card into the device and connect the LAN2/WAN port to the upstream device as the WAN port. The device will prioritize using the mobile network. When the mobile network is unavailable, it will automatically switch to using the Ethernet connection.



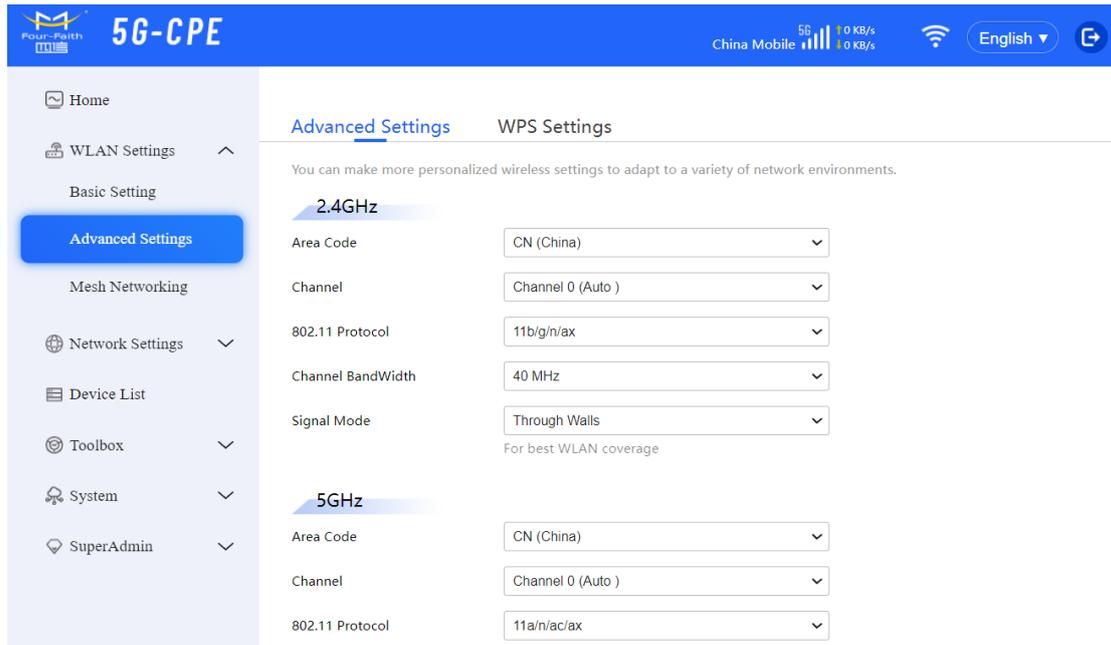
Chapter 3 Configuration of Related Features

3.1 WLAN Configuration

The WLAN settings are divided into basic settings and advanced settings. Basic settings allow you to configure the SSID, security mode, password, connection limit, broadcast hiding, and guest WiFi. By using the guest WiFi, terminal devices can connect to the CPE and access the internet, but they won't be able to perform any WEB configuration operations.



Advanced settings pertain to configuring channels, protocols, and bandwidth. The WPS (Wi-Fi Protected Setup) feature allows terminal devices to quickly connect to the CPE using methods such as PIN codes or Push Button Configuration (PBC).

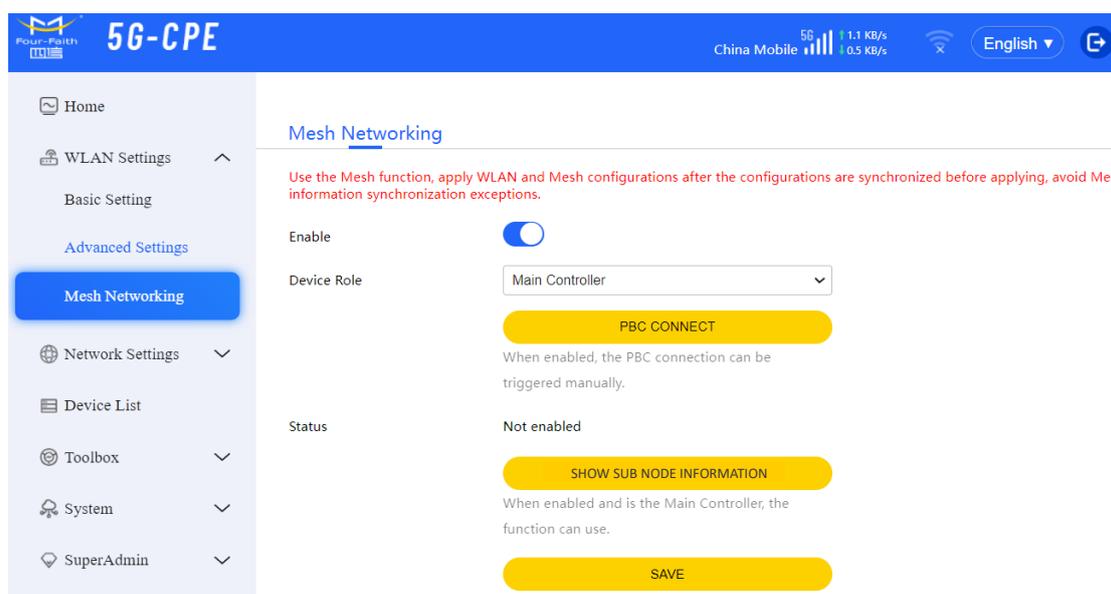


3.2 Mesh Network Configuration

Mesh network devices are divided into the Main Controller and sub nodes. Only one Main Controller is required, while multiple sub nodes can be added. The MESH function is disabled by default and needs to be enabled through the web interface.

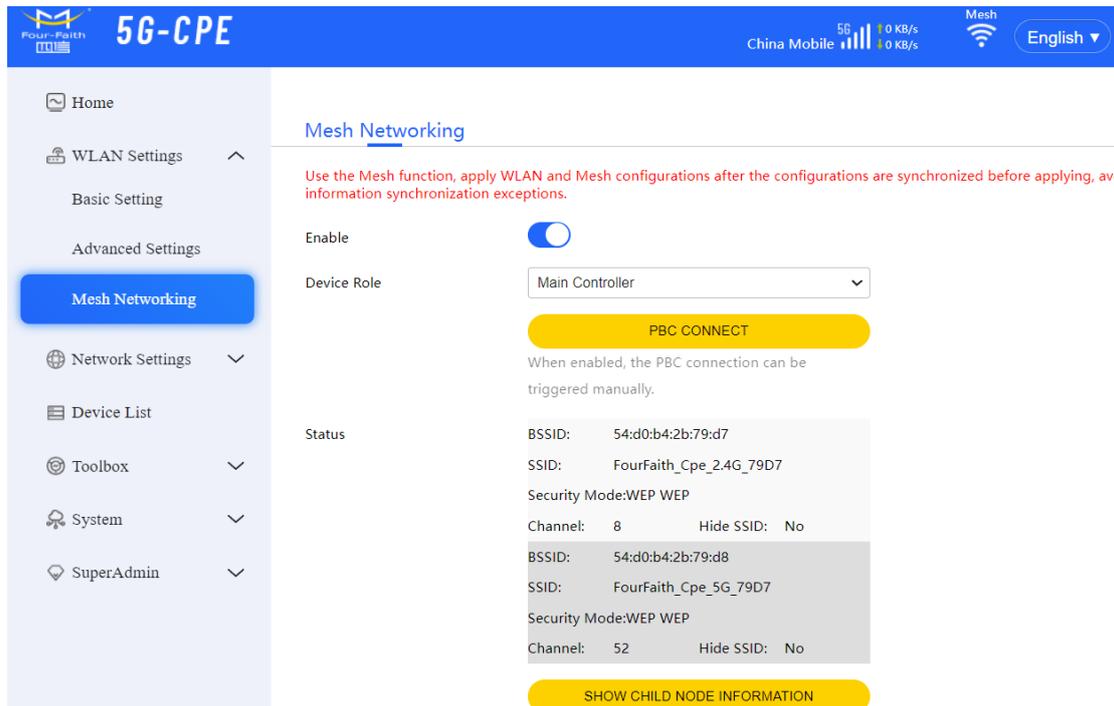
Step 1: Configuring the Main Controller

Connect the LAN port of the main controller device to your PC and log in to the WEB configuration page. In the WLAN settings, go to the Mesh Network page and click on "Enable". Choose the device role as "Main Controller", then save and apply the settings.



Wait for about 40 seconds. In the status section of the page, you'll see the information of the

main controller device. The white "Mesh" label will appear next to the WIFI icon in the status bar, indicating that the Mesh function of the main controller is now enabled.



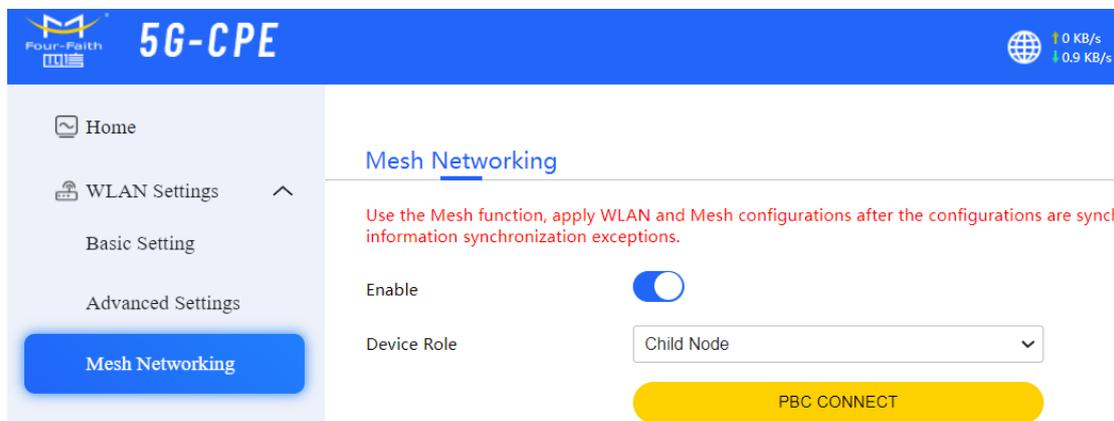
The screenshot shows the 'Mesh Networking' configuration page for a 'Main Controller'. The 'Enable' toggle is turned on. The 'Device Role' is set to 'Main Controller'. A yellow 'PBC CONNECT' button is visible. Below this, a table displays the status of two network interfaces:

Interface	BSSID	SSID	Security Mode	Channel	Hide SSID
2.4G	54:d0:b4:2b:79:d7	FourFaith_Cpe_2.4G_79D7	WEP WEP	8	No
5G	54:d0:b4:2b:79:d8	FourFaith_Cpe_5G_79D7	WEP WEP	52	No

A yellow 'SHOW CHILD NODE INFORMATION' button is located at the bottom of the status section.

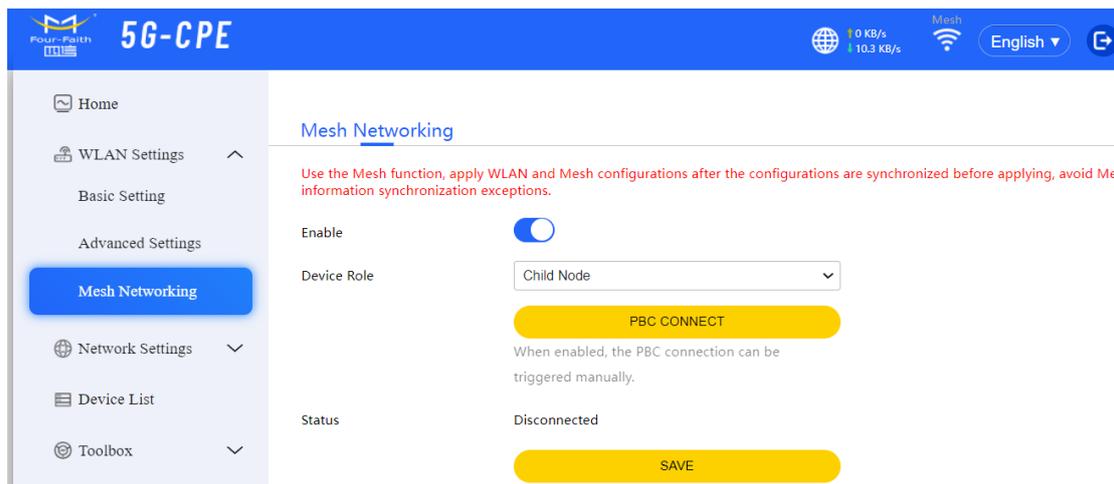
Step 2: Configure Sub-Nodes

Connect the child node device to the PC using the LAN port, then access the WEB configuration page. In the WLAN settings, go to the Mesh networking page and click on Enable. Choose 'Sub Node' as the device role, then save and apply the settings.



The screenshot shows the 'Mesh Networking' configuration page for a 'Child Node'. The 'Enable' toggle is turned on. The 'Device Role' is set to 'Child Node'. A yellow 'PBC CONNECT' button is visible.

After waiting for about 40 seconds, the WiFi icon in the sub node status bar will display the gray 'Mesh' label. The signal light on the child node device will remain solid yellow, indicating that the configuration of the sub node is complete.



Step 3: Establishing the Connection

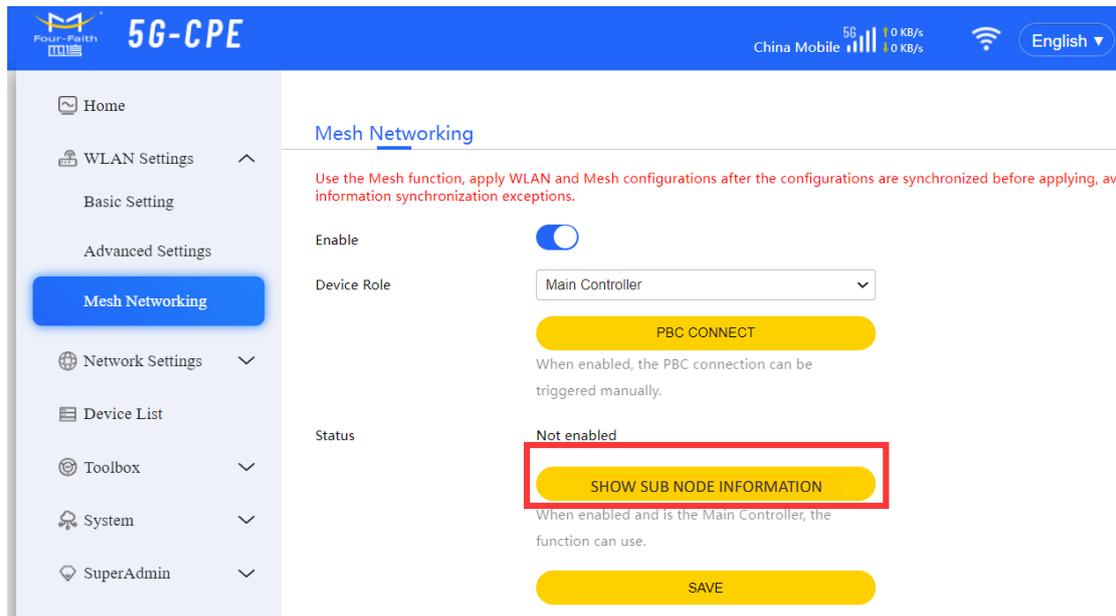
There are three methods for establishing the connection.

Method 1: Direct Ethernet Connection

Connect the LAN port of the main control device and the LAN port of the child node device using an Ethernet cable. If the signal light on the child node device turns blue, it indicates successful mesh networking.



Access the main control device's WEB page by entering 192.168.1.1 in your web browser. Click on "Display Sub Node Information" to view details about the sub nodes. You can see information about the sub nodes, and by clicking on their respective IP addresses, you can access the WEB configuration pages of the individual child node devices.



5G-CPE China Mobile 5G 0 KB/s 0 KB/s English

Mesh Networking

Use the Mesh function, apply WLAN and Mesh configurations after the configurations are synchronized before applying, avoid information synchronization exceptions.

Enable

Device Role: Main Controller

PBC CONNECT

When enabled, the PBC connection can be triggered manually.

Status: Not enabled

SHOW SUB NODE INFORMATION

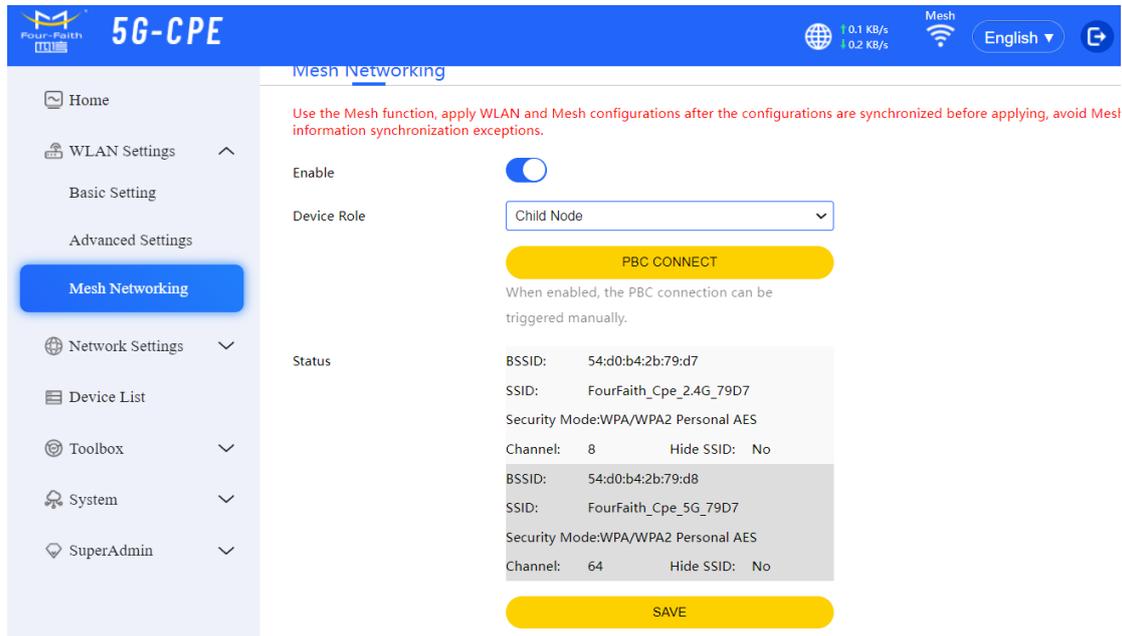
When enabled and is the Main Controller, the function can use.

SAVE

Device name	Networking Mode	MAC	IP	Hierarchical	Upstream
54:d0:b4:1a:1f:e4 	5G	54:d0:b4:1a:1f:e4	192.168.1.243	1	54:d0:b4

CANCEL

On the sub node device page, you can see that the status section displays information about the main control device. The WiFi icon in the status bar features a white "Mesh" label.



Method 2: Pressing the WPS Button

Simultaneously press the WPS buttons on both the main control device and the sub node device. The WiFi signal lights will start flashing, indicating the network formation process. Once the network is successfully established, the WiFi signal lights will immediately stop flashing and remain solid blue. The signal light on the sub node device will change from a solid yellow to a solid blue, indicating successful network connection.



Device name	Networking Mode	MAC	IP	Hierarchical	Upstream
54:d0:b4:1a:1f:e4	5G	54:d0:b4:1a:1f:e4	192.168.1.243	1	54:d0:b4

Method 3: Clicking PBC Connection on the WEB Page

Log in to both the main control and sub node web pages separately. Click on PBC Connection. If the network formation is successful, you will receive a prompt indicating "Mesh Connection Successful."

5G-CPE | China Mobile 5G | 0.1 KB/s | Mesh | English

Mesh Networking

Use the Mesh function, apply WLAN and Mesh configurations after the configurations are synchronized before applying, avoid information synchronization exceptions.

Enable:

Device Role: Main Controller

PBC CONNECT

When enabled, the PBC connection can be triggered manually.

Status:

- BSSID: 54:d0:b4:2b:79:d7
- SSID: FourFaith_Cpe_2_4G_79D7
- Security Mode: WPA/WPA2 Personal AES
- Channel: 8 | Hide SSID: No
- BSSID: 54:d0:b4:2b:79:d8
- SSID: FourFaith_Cpe_5G_79D7
- Security Mode: WPA/WPA2 Personal AES
- Channel: 52 | Hide SSID: No

5G-CPE | 0.5 KB/s | 0.2 KB/s | Mesh | English

Mesh Networking

Use the Mesh function, apply WLAN and Mesh configurations after the configurations are synchronized before applying, avoid Mesh information synchronization exceptions.

Enable:

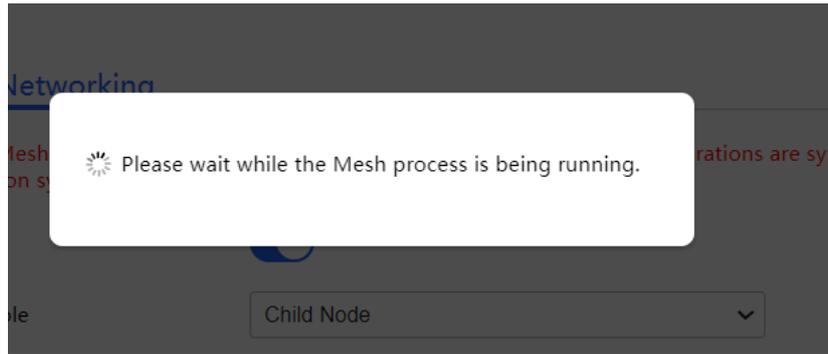
Device Role: Sub Node

PBC CONNECT

When enabled, the PBC connection can be triggered manually.

Status: Disconnected

SAVE

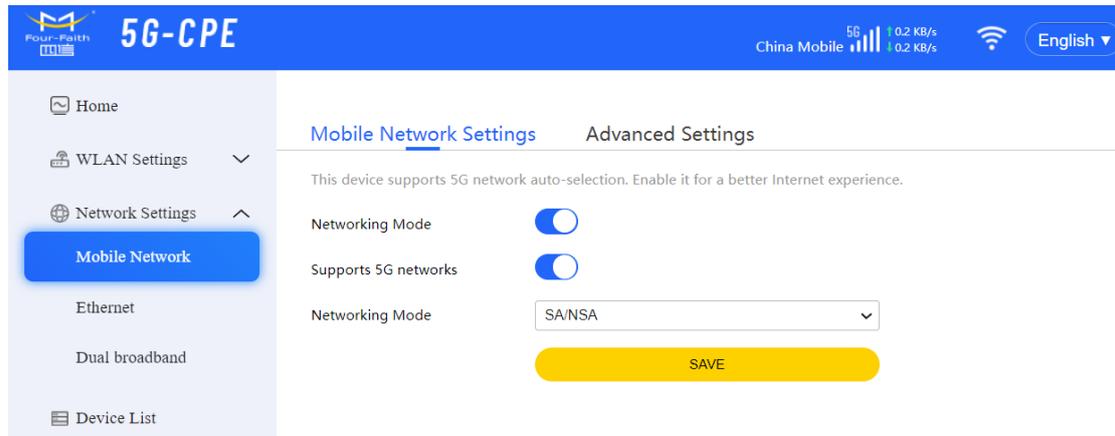


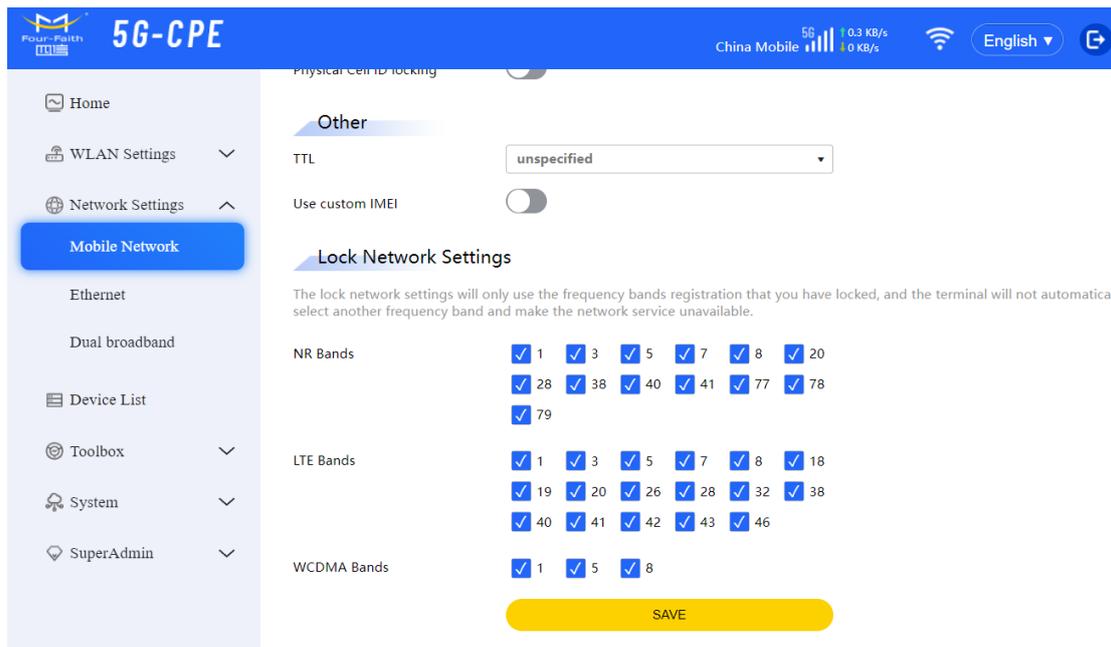
After successful network formation, place the main control and sub node devices in appropriate locations. Clients will only be able to detect the WiFi hotspot of the main control device.

Notice: When setting up the network, please use devices of the same model and version to avoid network setup failures due to driver discrepancies and other issues.

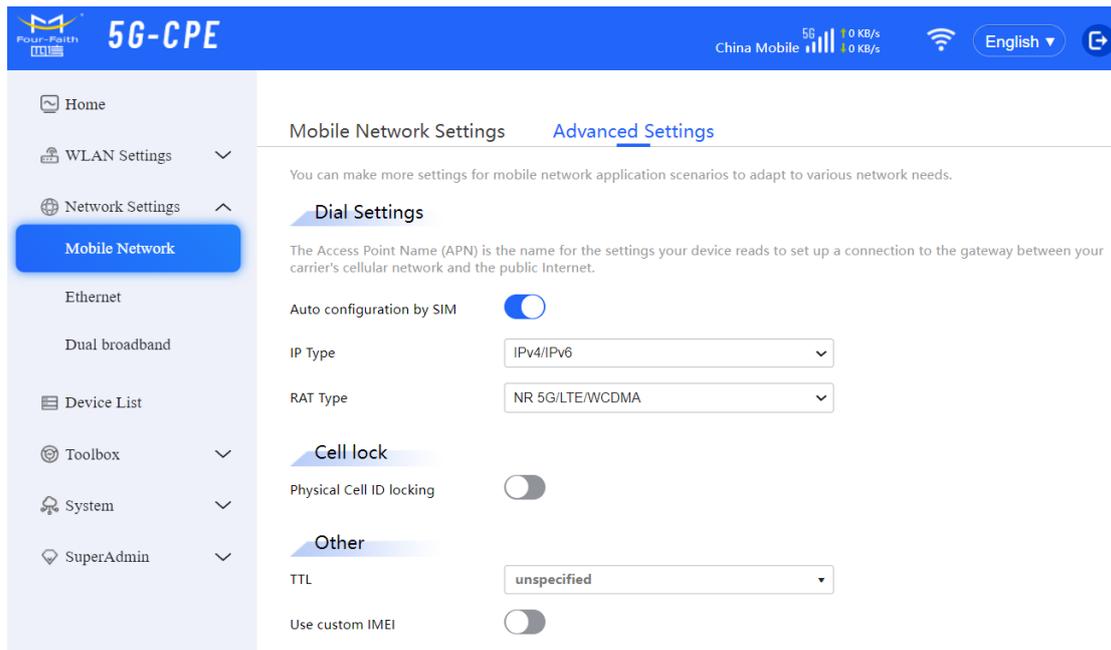
3.3 Mobile Network Configuration

Mobile Network Configuration allows you to enable or disable mobile data, 5G network, modify networking modes, set network modes, IP types, and lock BAND frequencies.



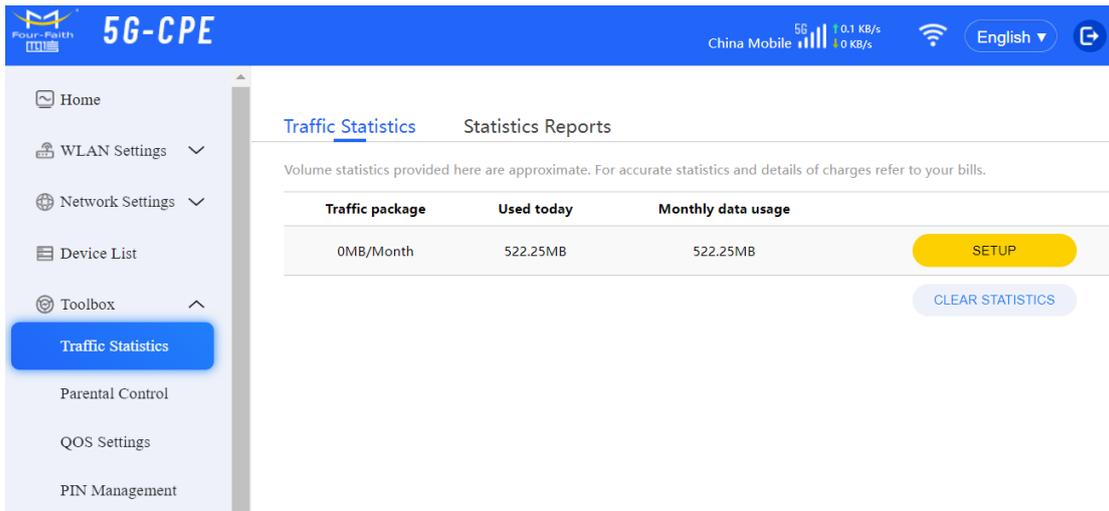


Disabling SIM Card Configuration allows you to set up Access Point Names (APN), authentication methods, usernames, passwords, and more.



3.4 Traffic Usage Monitoring Configuration

Traffic Usage Monitoring is only applicable to mobile networks. The traffic usage monitoring page displays the total data usage for the current day and month. It also allows you to set up actions for exceeding data package limits and data flow restrictions.



5G-CPE

China Mobile 5G 0.1 KB/s 0 KB/s English

Home
WLAN Settings
Network Settings
Device List
Toolbox
Traffic Statistics
Parental Control
QOS Settings
PIN Management

Traffic Statistics Statistics Reports

Volume statistics provided here are approximate. For accurate statistics and details of charges refer to your bills.

Traffic package	Used today	Monthly data usage
0MB/Month	522.25MB	522.25MB

SETUP
CLEAR STATISTICS

To enable data usage exceeded alerts or automatic mobile data disconnection, follow these steps.

Step 1: Configuring Data Usage

Exceeded Data Usage Actions:

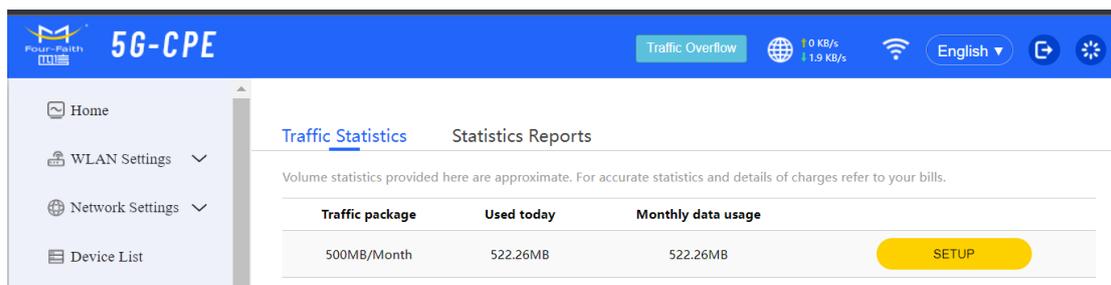
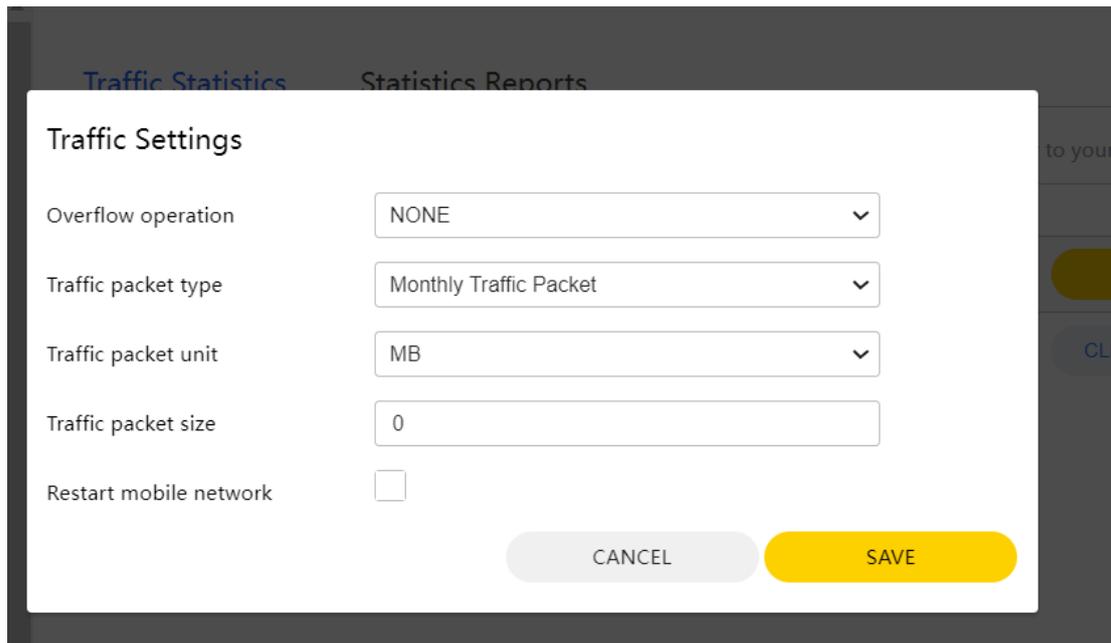
None: When data usage exceeds the set data package limit, a data usage icon will appear in the status bar as a reminder, but the mobile network will not be disconnected, and you can continue to use it.

Disconnect: When data usage exceeds the set data package limit, a data usage icon will appear in the status bar as a reminder, and the mobile network will automatically disconnect, rendering it unusable.

Data Package Type: Choose to restrict usage based on daily or monthly data limits.

Data Package Size: Perform the corresponding action when the set limit is reached. Set to 0 to have no limit.

Restart Mobile Network: Check this option and save to enable automatic redialing of the mobile network.

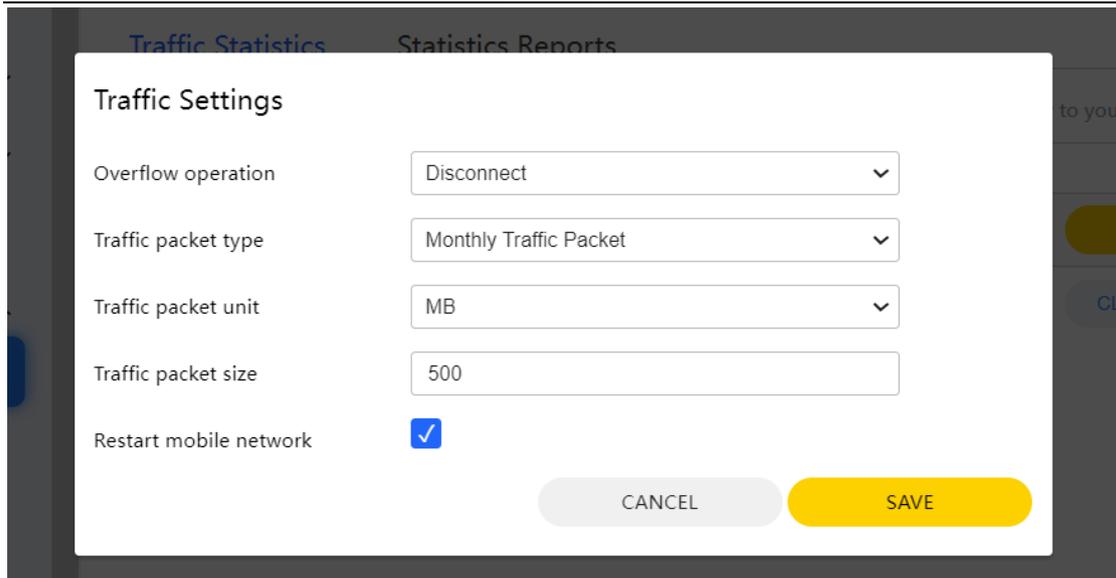


Step 2: Restoring Mobile Network After Data Exceedance

After data usage exceeds the limit and the mobile network disconnects, you will need to manually enable mobile data. On the home screen, click on "Enable Mobile Data." This will display a data usage exceeded notification page. Click on "Reset" to be redirected to the data usage statistics page, where you can reconfigure the data package size. Check the option to enable mobile data and save (if unchecked, after setting the data package size, you will need to manually click "Enable Mobile Data" on the home screen). The mobile network will automatically reconnect and restore connectivity after dialing.

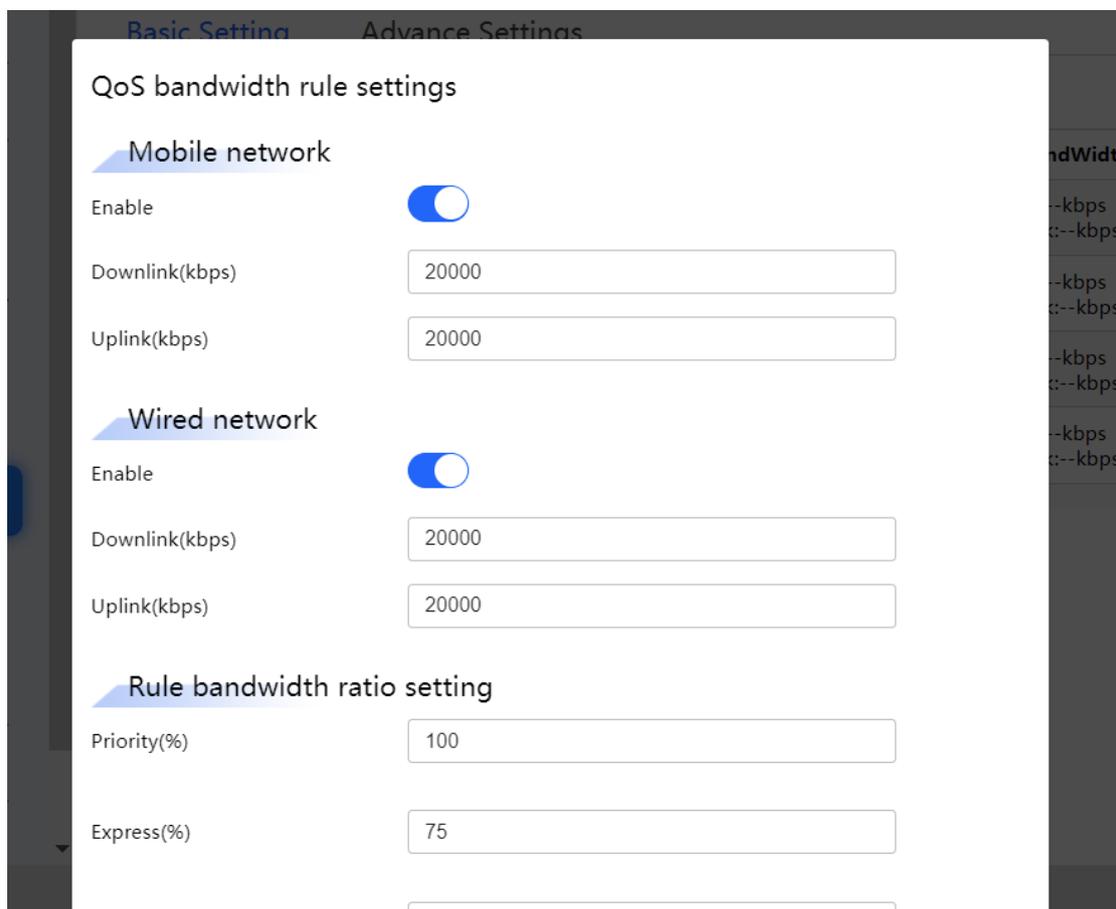
The screenshot shows the 5G-CPE web interface. At the top, there is a navigation bar with the Four-Faith logo, '5G-CPE' title, and a 'Traffic Overflow' indicator. The main content area is divided into a left sidebar with menu items like 'Home', 'WLAN Settings', 'Network Settings', 'Device List', 'Toolbox', 'System', and 'SuperAdmin'. The central panel displays 'Network Status' with a bar chart for '5G China Mobile' showing a red 'X' indicating a connection issue. Below this, it shows 'Internet' status with upload and download speeds of 0 KB/s. A central image of the device is labeled 'My Device'. To the right, there are indicators for '2.4GHz' and '5GHz' Wi-Fi, and two 'Terminal' icons (WIFI Terminal and Ethernet Terminal) with red notification dots. At the bottom, there are two sections: 'Current Connection' (Wired Network, 3h 1m 34s, 667.7 KB UL traffic, 15.5 MB DL traffic) and 'Last Login Information' (Login IP: 192.168.1.229, Login time: 2023/08/08 11:45:08, Login status: Normal). A yellow button labeled 'ENABLE MOBILE DATA' is positioned at the bottom center.

The screenshot shows a 'Data Limit Reached' warning dialog box. The title is 'Data Limit Reached' with a blue question mark icon. The text inside the dialog reads: 'Your current data usage has exceeded the preset limit. If you continue to use data, additional charges will occur. Please adjust the data limit. If the mobile network already down, manually enable the mobile network after configuration.' At the bottom of the dialog, there are two buttons: 'CANCEL' and 'ADJUST DATA LIMIT'.



3.5 QoS Configuration

The QoS (Quality of Service) function allows you to limit the bandwidth for both mobile networks and Ethernet connections. When the bandwidth policy is enabled and no settings are configured in the advanced settings, the default bandwidth limitation policy for connected terminal devices is set to "Normal".



0.2 KB/s
1.4 KB/s

English

Basic Setting Advance Settings

QoS bandwidth rule settings

Target	MAX BandWidth Radio	Mobile BandWidth	Mobile BandWidth Value	Wired BandWidth	Wired BandWidth Value
Priority	100%	Uplink:20000kbps Downlink:20000kbps	Uplink:20000kbps Downlink:20000kbps	Uplink:20000kbps Downlink:20000kbps	Uplink:20000kbps Downlink:20000kbps
Express	75%	Uplink:20000kbps Downlink:20000kbps	Uplink:15000kbps Downlink:15000kbps	Uplink:20000kbps Downlink:20000kbps	Uplink:15000kbps Downlink:15000kbps
Normal	50%	Uplink:20000kbps Downlink:20000kbps	Uplink:10000kbps Downlink:10000kbps	Uplink:20000kbps Downlink:20000kbps	Uplink:10000kbps Downlink:10000kbps
Bulk	10%	Uplink:20000kbps Downlink:20000kbps	Uplink:2000kbps Downlink:2000kbps	Uplink:20000kbps Downlink:20000kbps	Uplink:2000kbps Downlink:2000kbps

SETUP