



# FG132-GL-00-MOB1

## UFI Device User Guide

V1.1

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# Change History

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V1.1 (2025-03-18)	Added Chapter 5 "Web UI".
V1.0 (2025-01-03)	Initial version.

# 1 Product Overview

## 1.1 Introduction

FG132-GL-00-MOB1 is a UFI product developed by Fibocom and supports 2.4 GHz Wi-Fi6. This document describes how to use the system.

## 1.2 Appearance & Interfaces

Dimensions of the FG132-GL-00-MOB1 device:  $(100.0 \pm 0.2)$  mm x  $(45.0 \pm 0.15)$  mm x  $(13 \pm 0.15)$  mm. The following figure shows the product appearance.



Figure 1. Appearance of device(front, side, back)

The device has two interfaces, two buttons, and two indicators, as shown in the following figure.



Figure 2. Interfaces on device

The following table describes their functions.

Table 1. Function description

No.	Interface Name	Description
1	SIM card interface	SIM card slot of the module. It supports hot plug and is active high.
2	Cellular indicator	Red light
3	Wi-Fi indicator	Blue light
4	WPS button*	One-click Wi-Fi connection
5	Type-C interface	Power supply interface for the device. It can also be used as a USB port to connect to a PC.
6	RST button	Reset button to restore factory settings of the module.



\* indicates reserved functions that are not developed.

## 2 Device Configuration

### 2.1 Power Supply

The FG132-GL-00-MOB1 device is powered through the Type-C interface, which supports forward and reverse insertion, as shown in the following figure.

Recommended power specifications: 5V/2A; power range: 4.75-5.25 V



Figure 3. Power supply interface

### 2.2 Install SIM Card

The following figure shows the SIM card slot. Pull out the external rubber plug to insert the SIM card. Pay attention to the insertion direction and make sure it is consistent with the mark on the rubber plug. The card slot supports hot plug detection and is active high by default.



Figure 4. SIM card slot



The SIM card insertion direction is indicated on the rubber plug.

## 2.3 Connect to PC

You can connect the device to a PC through the Type-C USB interface, to download firmware to the module or send and receive AT commands.



Figure 5. Type-C interface



## 3 PC Configuration

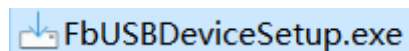
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### 3.1 Install Driver and Tool

Normal use of the device does not require driver installation. The network card enumerated by Windows is RNDIS and that enumerated by Linux and Mac OS is ECM.

If you need to capture logs and send AT commands, you need to install the driver. For details, see *Fibocom\_FG132\_Quick Start Guide*.

Contact Fibocom FAE to obtain the Windows USB driver. Following is a snapshot of the driver.



For the Linux driver, see *Fibocom\_MTC\_Dial-up Guide\_Linux*.

## 4 Usage and LPG Indicators


### 4.1 LPG Status Indicator

The FG132-GL-00-MOB1 device has two indicators. The red indicator is the cellular icon and the blue indicator is the Wi-Fi icon, which indicate the working status of cellular module and Wi-Fi, respectively.

The following table describes the status of the red indicator.

Figure 2. Status description of the red indicator

Mode	Indicator Status	Description
1	Quick flashing (600 ms at high level and 600 ms at low level)	SIM card is not inserted or in the process of network registration. Registering with the network (T < 15s) Failed to register with the network.
2	Slow flashing (3000 ms at high level and 75 ms at low level)	Standby
3	Speed flashing (75 ms at high level and 75 ms at low level)	Establishing data connection
4	On*	Power on indication



The red light can indicate the power-on status, that is, when the machine is connected to the power supply, the red light is steady on. About 30 seconds later, the red light changes from steady on to blinking, indicating the cellular status.

The following table describes the status of the blue indicator.

Figure 3. Status description of the blue indicator

Mode	Indicator Status	Description
1	Steady on/High level	Wi-Fi works normally.

### 4.2 Power On and Usage Instruction

Plug the USB cable into the Type-C interface, and the module will automatically power on. The power-on process takes about 30 seconds. When the red indicator changes from steady on to flashing, the module is powered on successfully, as shown in the following figure.



Figure 6. Red indicator

The following figure shows the blue indicator when Wi-Fi works.



Figure 7. Blue indicator

## 4.2.1 UFI Scenario

The cellular module inside the device communicates with the Wi-Fi chip through the SDIO interface and converts the cellular network into Wi-Fi signals for peripheral connection. The hardware connection diagram is as follows.



Figure 8. Hardware connection in UFI scenarios

To connect to the UFI network, do as follows:

Use the adapter or USB port of the PC to power the UFI. After about 30 seconds, when the blue light is on, the Wi-Fi starts to work. The peripheral can search for the Wi-Fi name FG132-XXXX, and enter the password to connect to the Wi-Fi.



- Wi-Fi name: FG132-XXXX (XXXX is the last four digits of the Wi-Fi Mac address) or OEM\_NA\_24G
- Security type: WPA2-PSK
- Default password: 1234567890

## 4.2.2 Dongle Scenario


The PC side can access the network via the USB cable or allow peripherals to connect to Wi-Fi. Dongle

uses the connection diagram shown below.



Figure 9. Connection diagram 1 of Dongle scenario

Connect to the network as follows:

1. About 30 seconds after the machine is connected to the computer for the first time, when the red light flashes, there will be an icon  in the lower-right corner of the computer, indicating that the network is being connected.

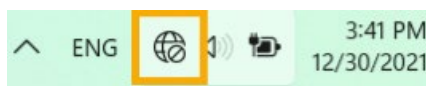


Figure 10. Connection diagram 2 of Dongle scenario

2. After the network connection is successful, the following network information will appear on the PC. Click **Yes** to access the Internet through USB.



Figure 11. Connection diagram 3 of Dongle scenario

## 4.3 Shutdown

If you need to shut down the module, unplug the Type-C power supply cable.

## 5 Web UI

FG132-GL-00-MOB1 supports displaying device information and modifying related settings on the Web UI.

### 5.1 Log in to the Web UI

#### Procedure:

1. Connect the PC (or other terminal device) to FG132-GL-00-MOB1 via USB or Wi-Fi and obtain the IP address.
2. Access <http://192.168.225.1/> in the browser to enter the Web UI login page.
3. Enter any password and click **Log in**.

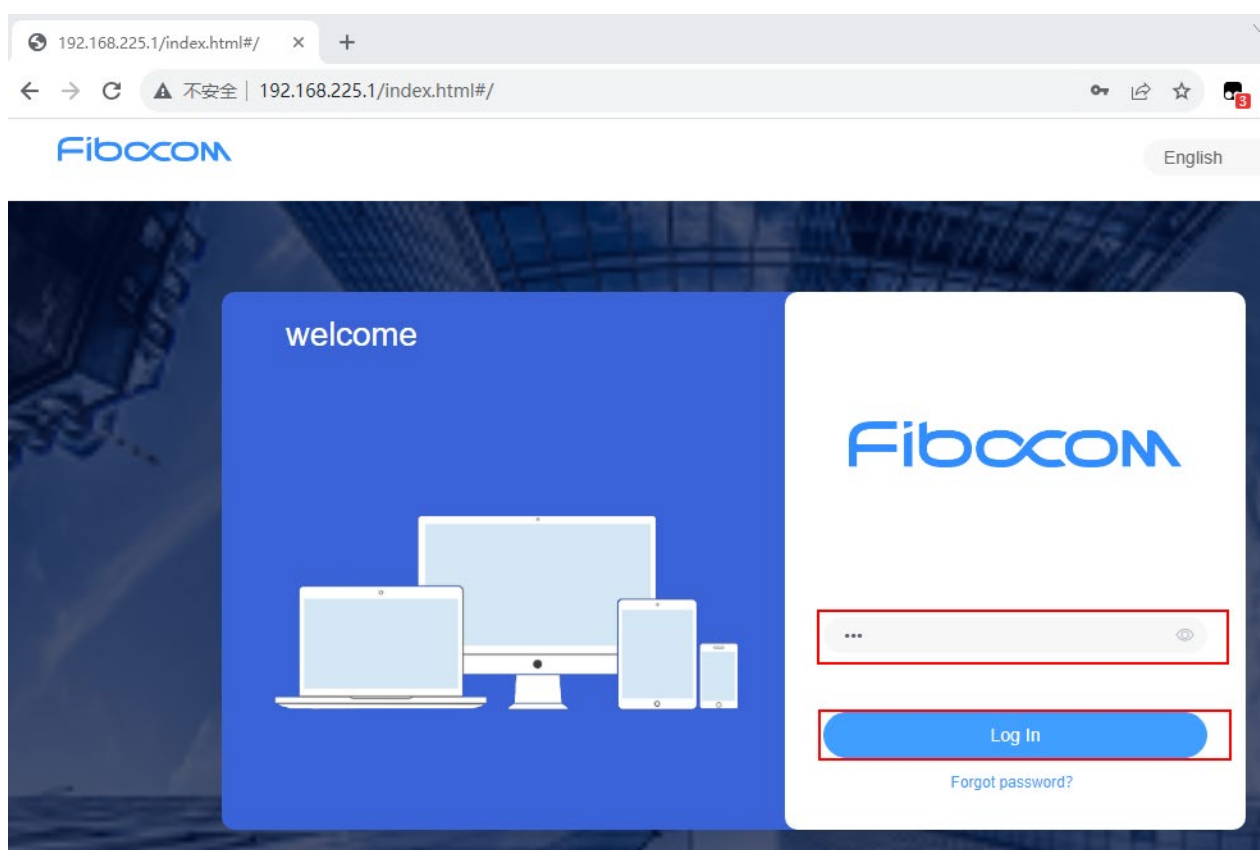


Figure 12. Dongle Web UI login page

### 5.2 Main Interface of Web UI

The Web UI main interface displays the registered cellular network, signal bars, and data dialing status of FG132-GL-00-MOB1. You can initiate a dial-up by disconnecting or turning on cellular network data.

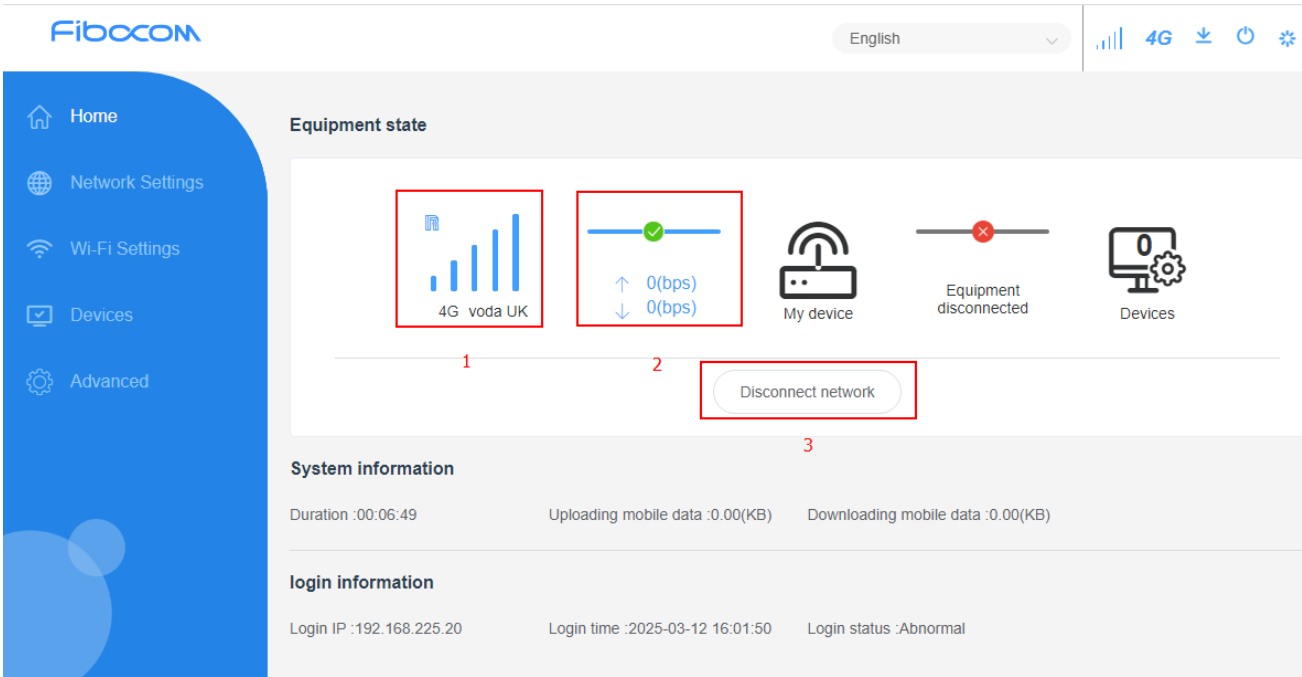



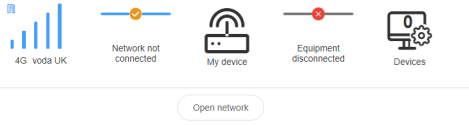


Figure 13. Main interface of Dongle Web UI

The following table describes controls on the main interface.

Table 4. Controls on the main interface of Dongle Web UI

No.	Control Description	Network Connected Status	Network Disconnected status
1	Displays the RAT of the registered network, network name, and signal strength.		
2	Displays data dialing status of the device.		



No.	Control Description	Network Connected Status	Network Disconnected status
3	Open or disconnect dialing to turn on or off mobile data.	<button>Disconnect network</button>	<button>Open network</button>

## 5.3 Navigation Bar

The left-side navigation bar contains pages supported by FG132-GL-00-MOB1, including **Home**, **Network Settings**, **Wi-Fi Settings**, **Advanced**. Click a menu item to enter the corresponding Web page.

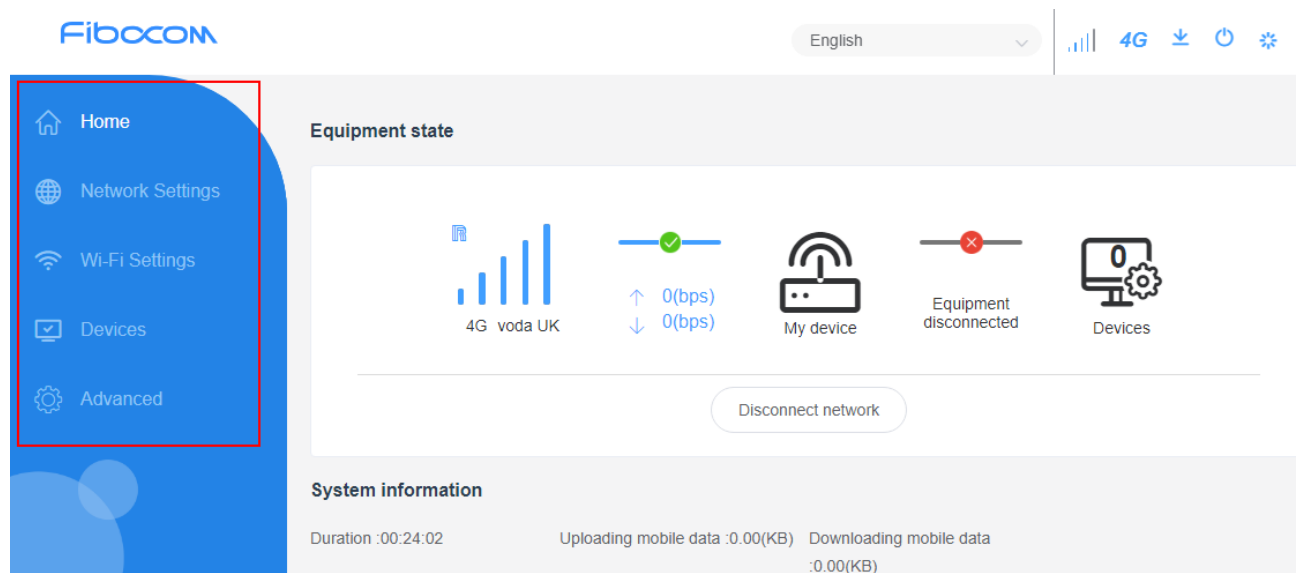


Figure 14. Navigation bar



The **Devices** page displays all devices connected to UFI. It cannot be configured currently.

The menus in the navigation bar are described in the following sections:

- For mobile network settings, see 5.3.1.
- For Wi-Fi settings, see 5.3.2.
- For advanced settings, see 5.3.3.

## 5.3.1 Configure Mobile Network

### 5.3.1.1 Connect to Mobile Network

#### Procedure:

On the main interface, choose **Network Settings > Mobile Network > Internet Connection** to enter the **Internet Connection** tab.

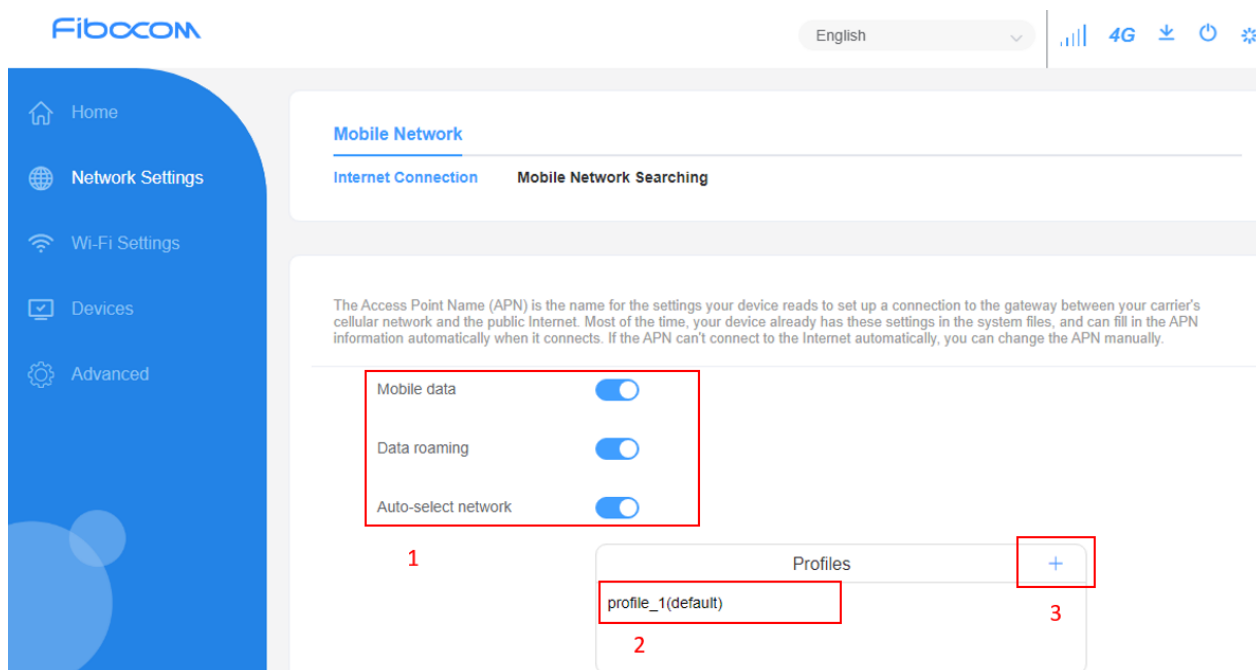


Figure 15. Settings for connecting to mobile network

The controls on the **Internet Connection** tab are described in the following table.

Table 5. Controls on the **Internet Connection** tab

No.	Control Description	Function
1	Network switches	<b>Mobile data:</b> mobile network data switch <b>Data roaming:</b> mobile network data roaming switch <b>Auto-select network:</b> automatic network selection switch. Currently, automatic network selection cannot be turned off through Web UI.
2	Edit cellular network dialing profile	Click the corresponding profile to start editing APN settings, including APN, username/password, authentication type, and IP type.
3	Add cellular network dialing profile	Click the + icon and enter the APN, user name/password, authentication type, IP type to create a cellular network dial-up profile. Select the <b>Set as Default radio</b> check box to set the

No.	Control Description	Function
		profile as the default profile. The profile settings will be used during dialing.

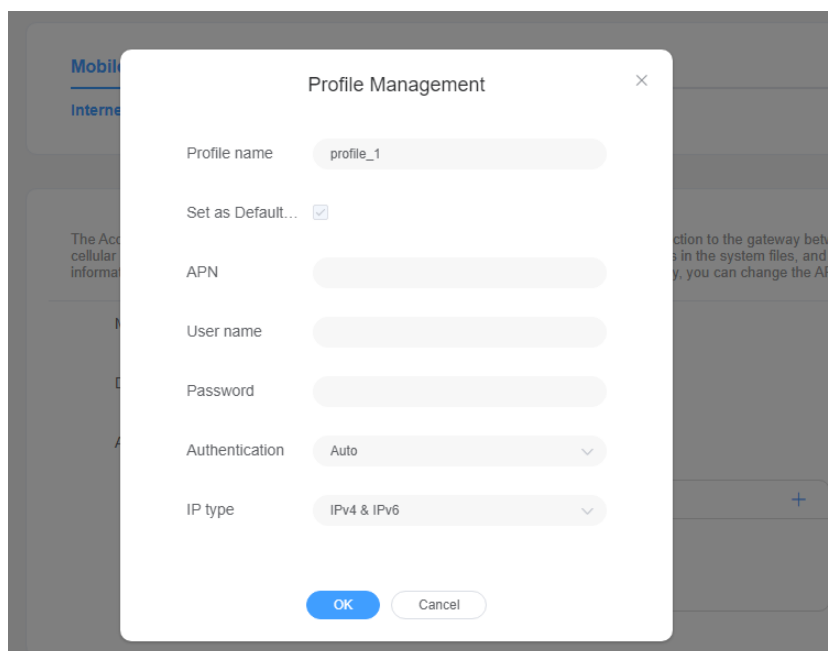


Figure 16. Edit cellular network dialing profile

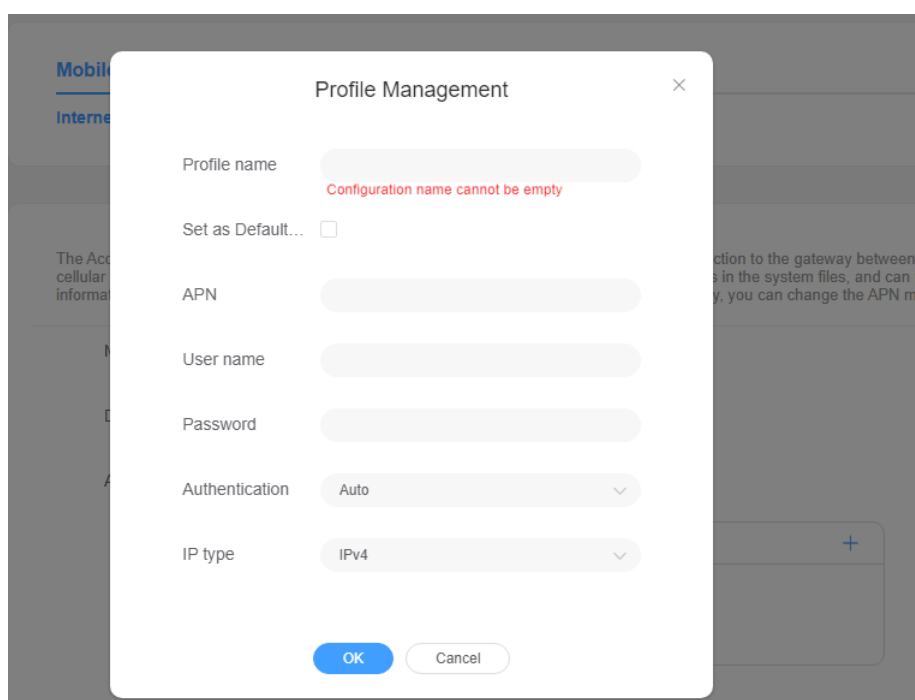


Figure 17. Add cellular network dialing profile

### 5.3.1.2 Search for Mobile Network

Procedure:

1. On the main interface, choose **Network Settings > Mobile Network > Mobile Network Searching** to enter the **Mobile Network Searching** tab.

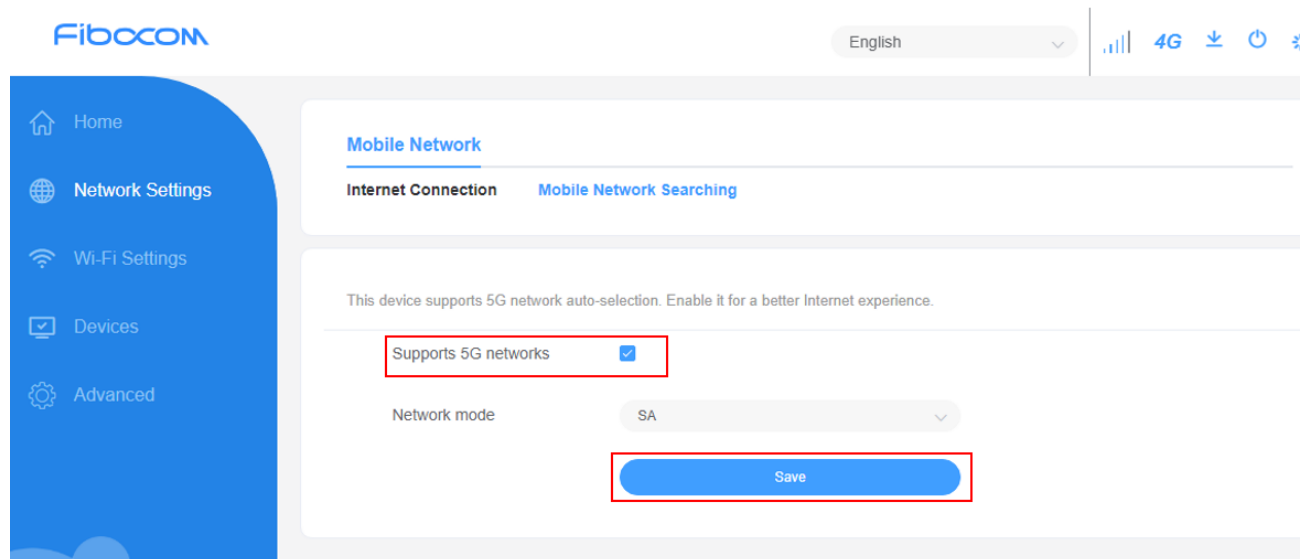


Figure 18. Settings for scanning mobile network

- Select the **Supports 5G networks** check box to configure settings for 5G network searching.
  - De-select the **Supports 5G networks** check box to configure settings for 4G network searching.
2. Click **Save** to save the settings.

## 5.3.2 Configure Wi-Fi

### Procedure:

1. On the main interface, choose **Wi-Fi Settings > Wi-Fi Basic Settings** to enter the **Wi-Fi Basic Settings** tab.

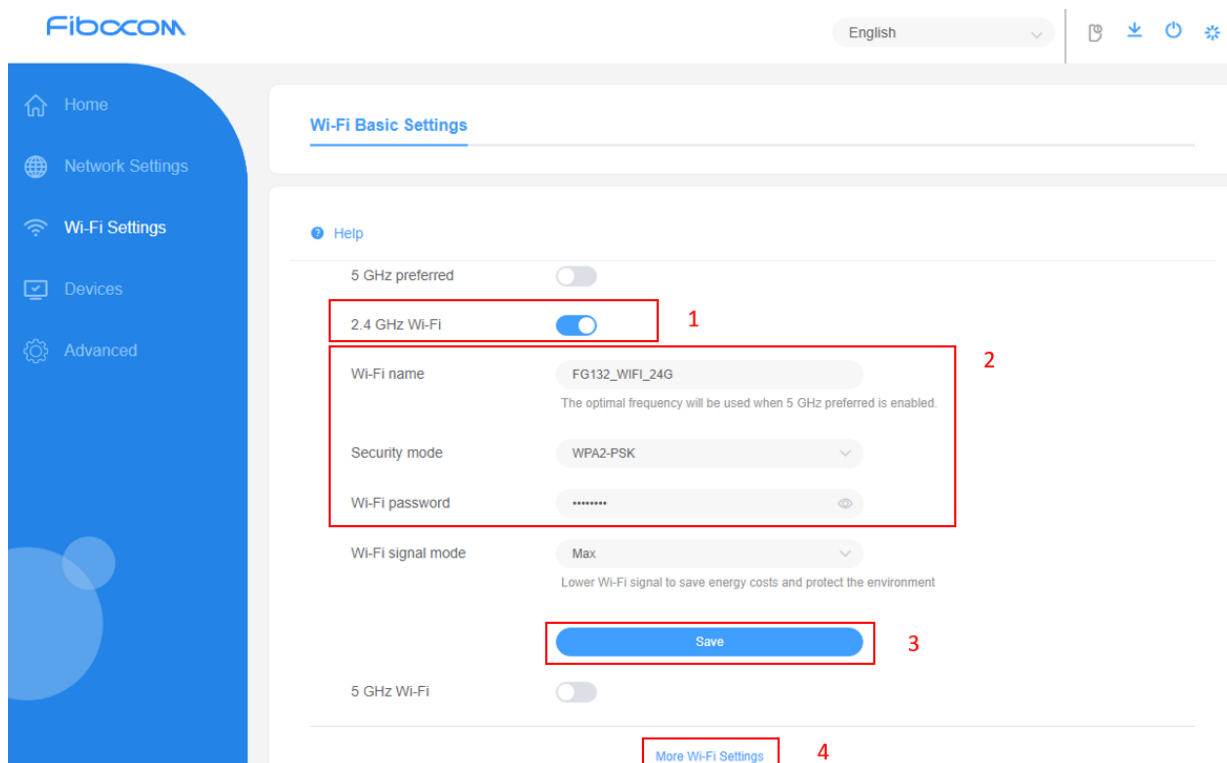


Figure 19. Wi-Fi setting

2. On the **Wi-Fi Basic Settings** tab, configure Wi-Fi according to descriptions in the following table.

Table 6. Wi-Fi parameters

No.	Parameter	Configuration Description
1	Wi-Fi switch	Turn on or off Wi-Fi hotspot.
2	Wi-Fi name	Wi-Fi SSID, defaults to <b>FG132-XXXX</b> (XXXX is the last four digits of the Wi-Fi chip MAC address) or <b>OEM_NA_24G</b> .
	Security mode	Security mode, defaults to <b>WPA2-PSK</b> .
	Wi-Fi password	Wi-Fi password
4	More Wi-Fi Settings	For the page of advanced settings, see 5.3.3.1.

3. After the settings are completed, click **Save** to save the settings.

4. Wait for 10 to 20 seconds. The settings take effect after Wi-Fi restarts.



Currently, FG132-GL-00-MOB1 does not support Wi-Fi 5G.

## 5.3.3 Advanced Settings

### 5.3.3.1 Wi-Fi Advanced Settings

Procedure:

1. On the main interface, choose **Advanced** > **Wi-Fi** > **Wi-Fi Advanced Settings** to enter the **Wi-Fi Advanced Settings** tab. You can also click **More Wi-Fi Settings** on the **Wi-Fi Advanced Settings** tab.

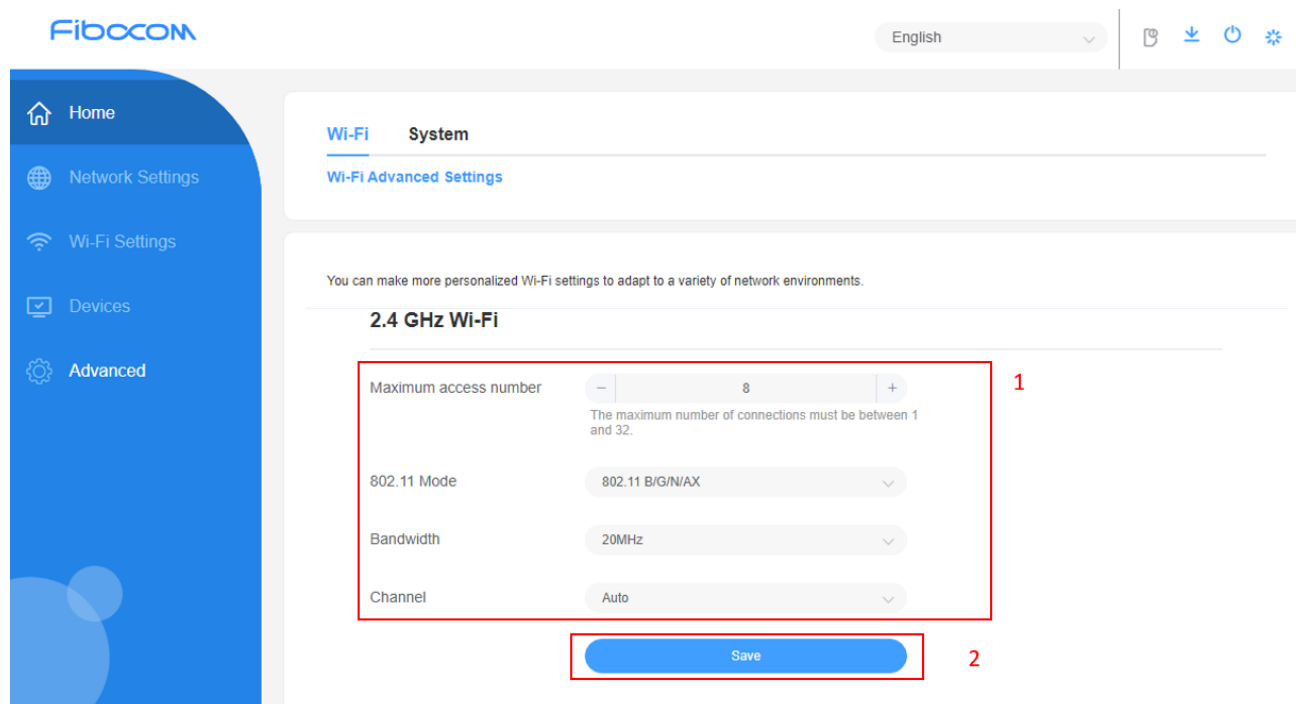


Figure 20. Wi-Fi advanced settings

2. On the **Wi-Fi Advanced Settings** tab, configure Wi-Fi according to descriptions in the following table.

Table 7. Wi-Fi parameters

Parameter	Configuration Description
Max access number	The maximum number of devices that can be connected to the Wi-Fi hotspot. Default value: 8.
802.11 Mode	802.11 mode. Value range: 802.11 B/G 802.11 B/G/N 802.11 B/G/N/AX Default value: <b>802.11 B/G/N/AX</b> .
Bandwidth	Channel bandwidth. Value range: 20MHz 40MHz

Parameter	Configuration Description
	20MHz/40MHz Default value: 20MHz.
Channel	Channel. Default value: <b>Auto</b> .

3. After the settings are completed, click **Save** to save the settings.
4. Wait for 10 to 20 seconds. The settings take effect after Wi-Fi restarts.

### 5.3.3.2 Query Device Information

#### Procedure:

On the main interface, choose **Advanced** > **System** > **Device information** to enter the **Device information** tab. You can view the device name, device SN, IMEI, software and hardware version numbers, and SIM card IMSI/ICCID information.

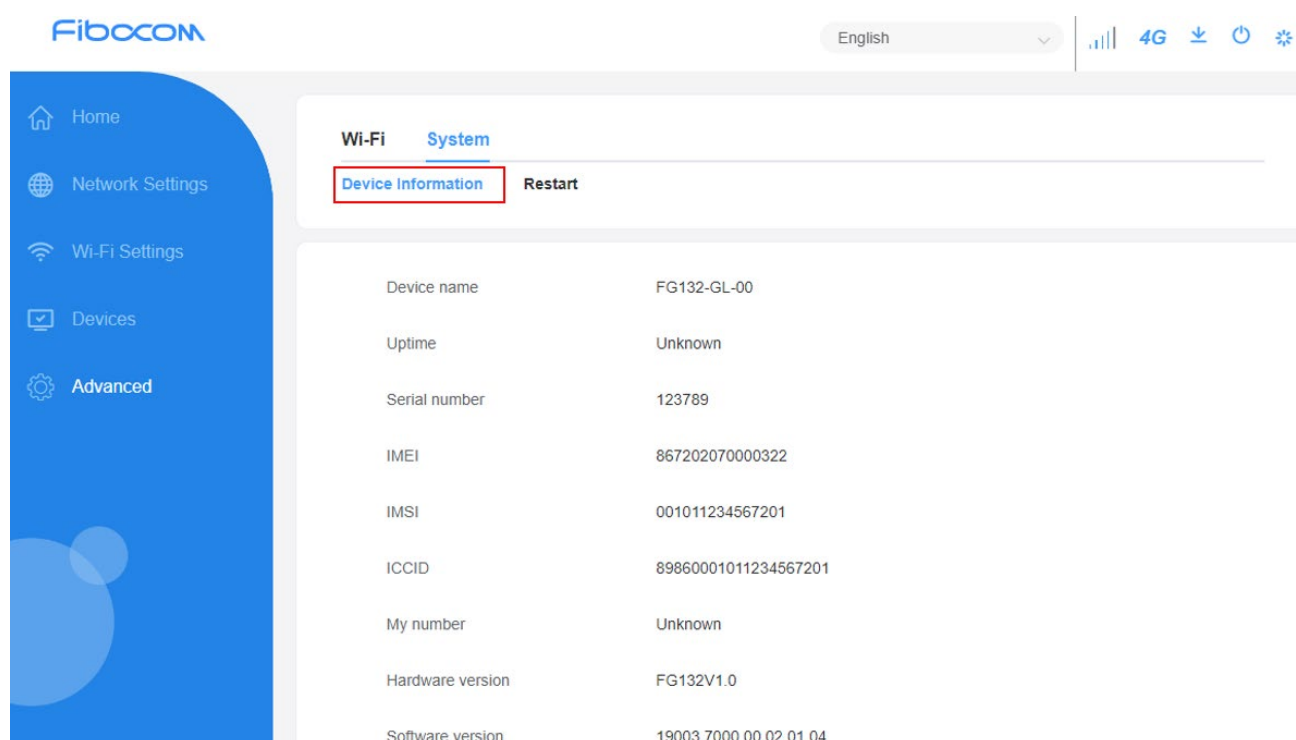


Figure 21. Query device information

### 5.3.3.3 Restart Device

#### Procedure:

1. On the main interface, choose **Advanced** > **System** > **Restart** to enter the **Restart** tab.
2. On the **Restart** tab, click **Restart** to restart the device.

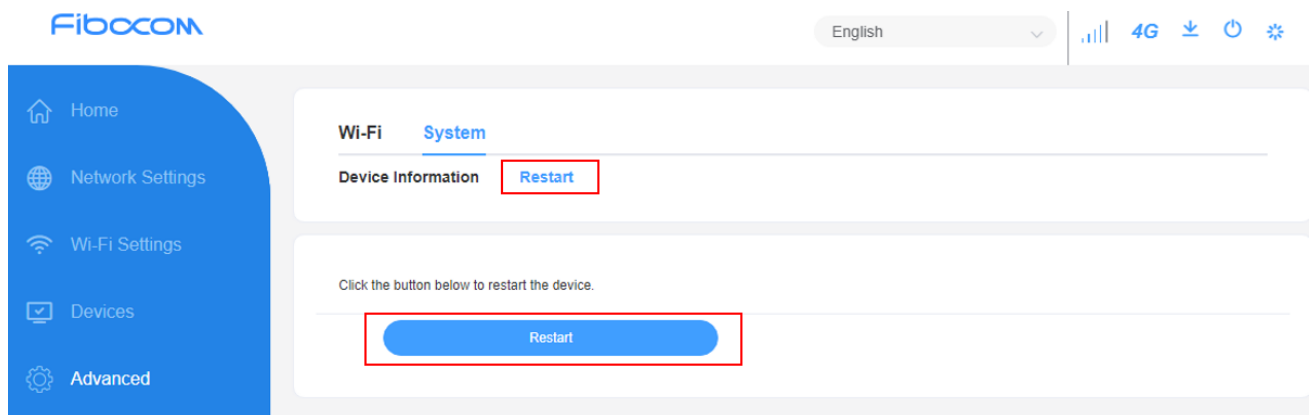


Figure 22. Restart device