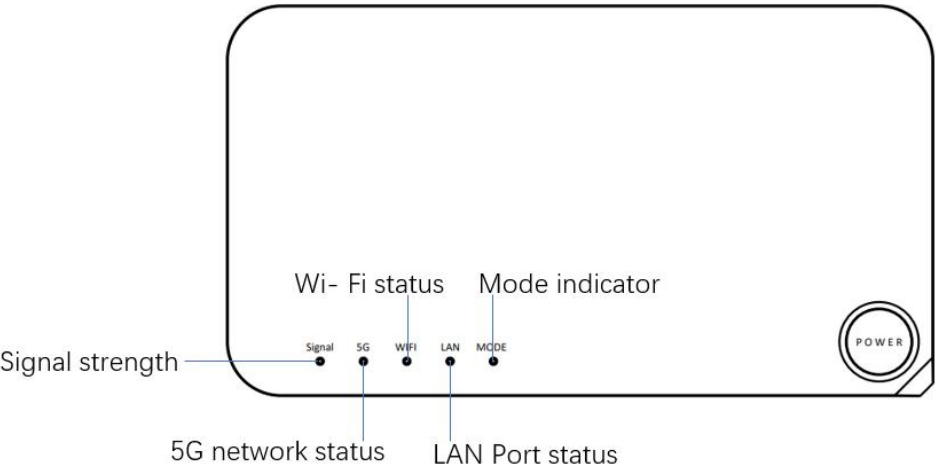
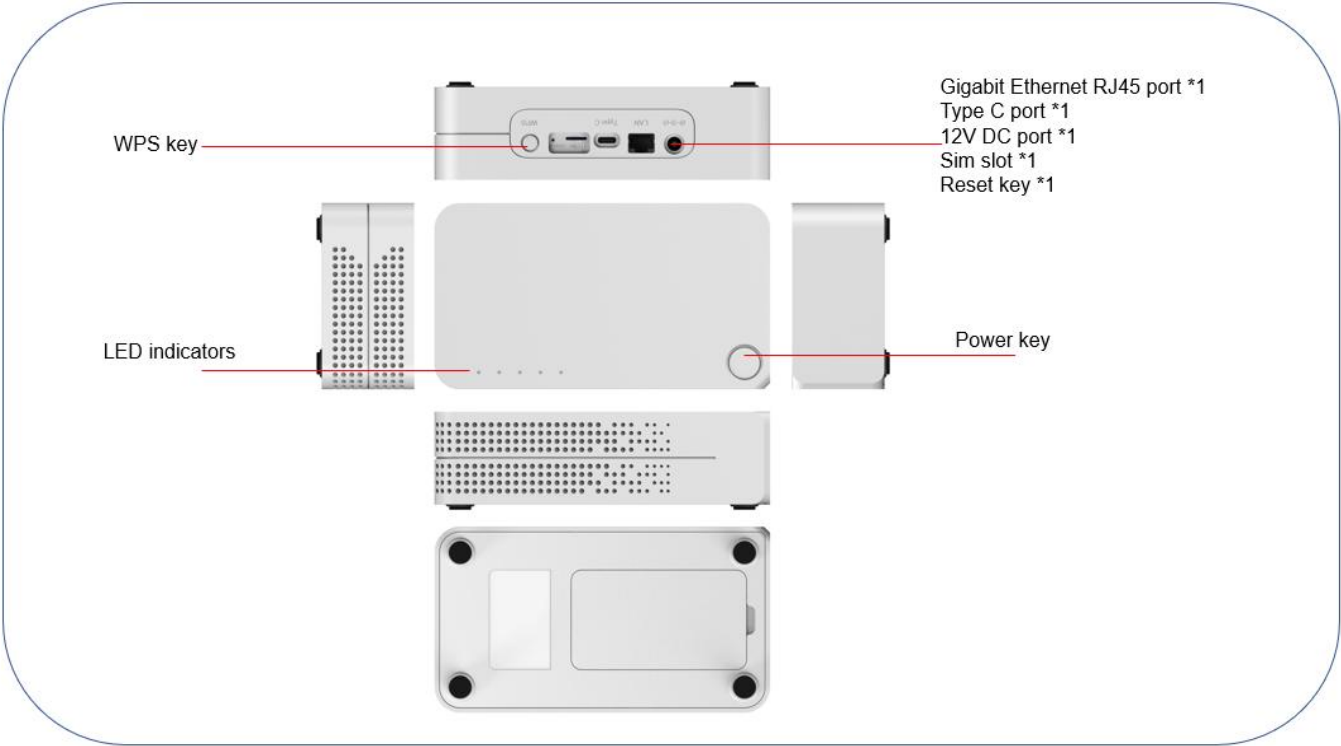


KuWFi 5G Router with sim card Slot

C160 User Manual



Router body Introduction

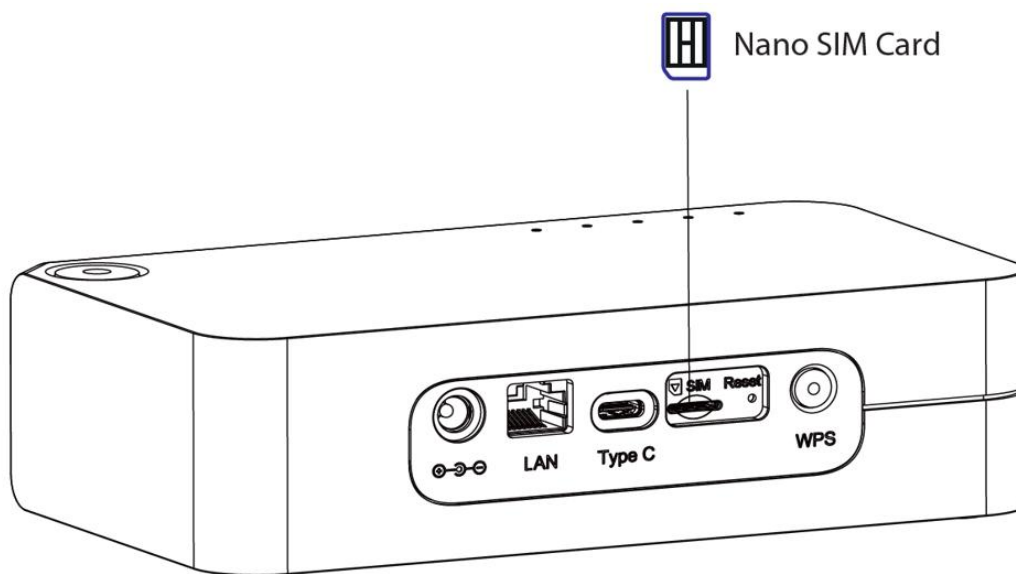


1 Setup CPE

For more detail about installation please refer to Quick start Guide.

1.1 Install SIM Card

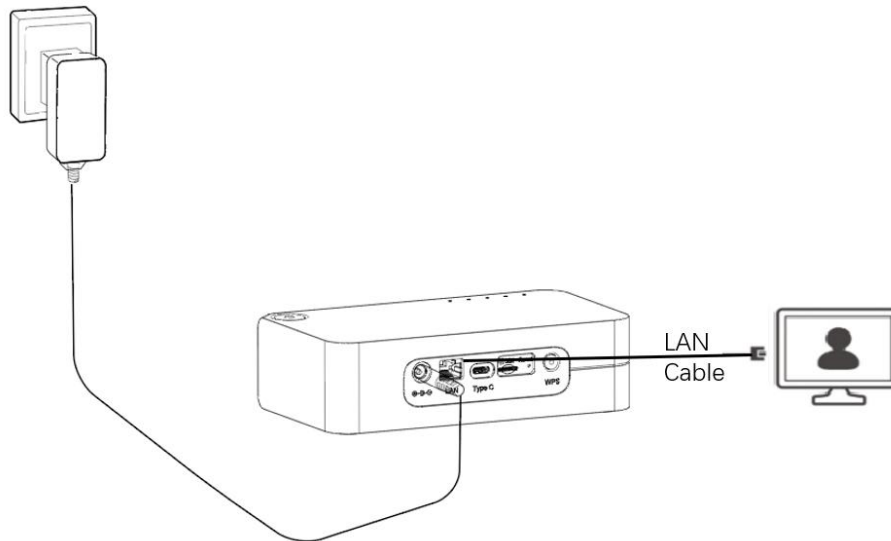
1. Make sure you use the correct SIM card: Nano- SIM (4FF).
2. Insert the SIM card gently into the SIM card slot in the direction shown in the figure below until it clicks.



Note: If you want to remove the SIM card, please gently press the SIM card in until it clicks, then the card will pop out automatically.

1.2 Connection

Please connect and install the device as shown in the figure below.



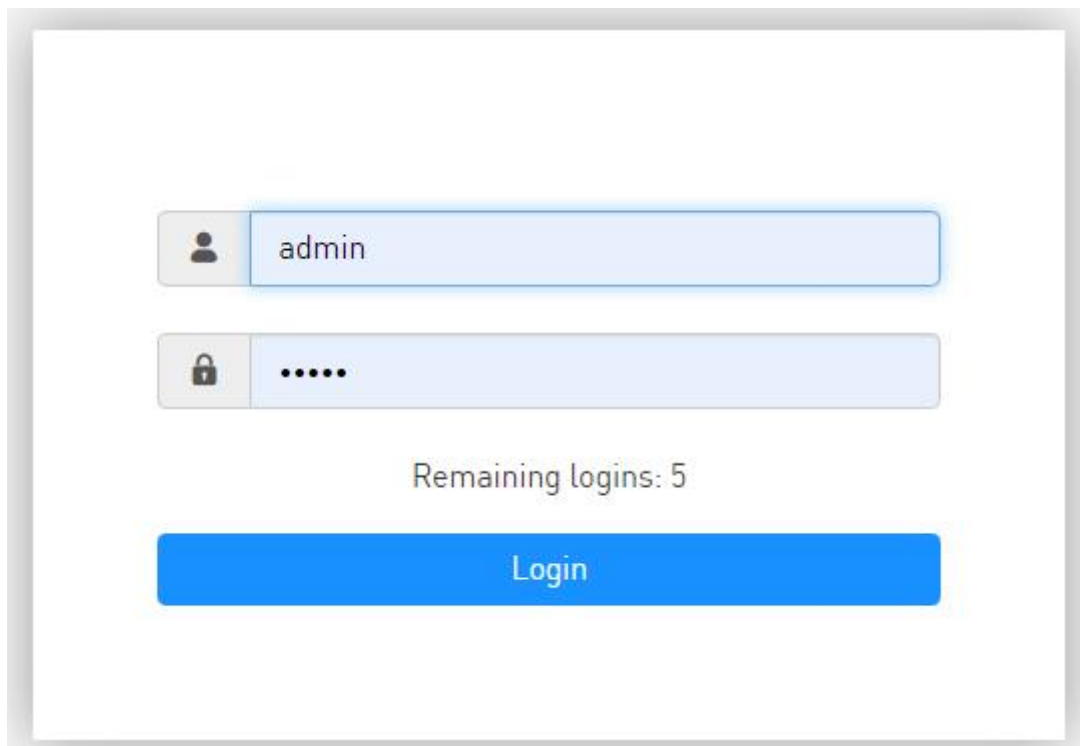
1. Connect the power adapter to the 5G CPE.
2. Press the power button to turn on the device, 5G CPE will initialize start up process.
3. When the indicator stop flashing, the 5G CPE complete the initialization and start to work.

2 Login WEB GUI

2.1 Login

To login Web GUI, please follow below steps:

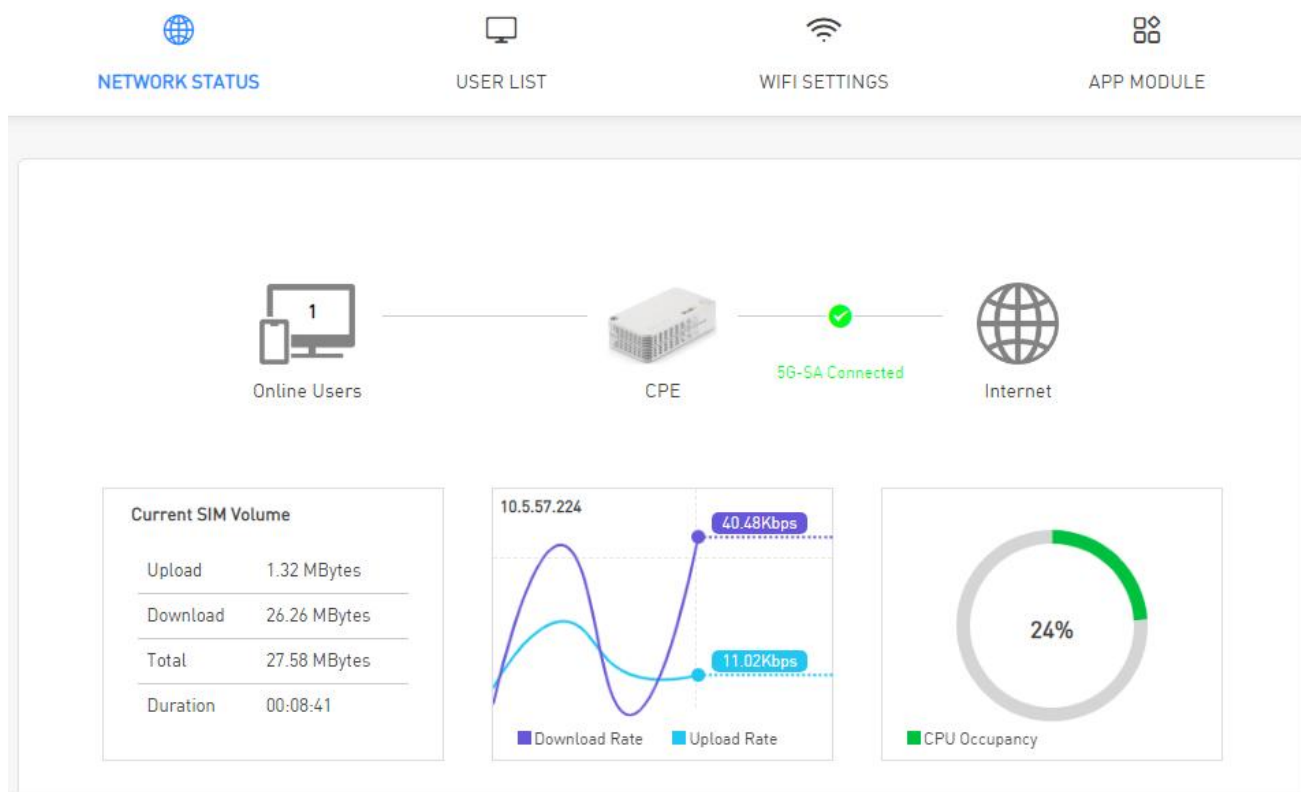
1. Connect the device to laptop either over Ethernet cable or Wi-Fi.
2. Open browser and input 192.168.8.1 or <http://my.5g.device/>.
3. Input username & password (admin/admin).

A screenshot of a web browser showing a login interface. It features two input fields: the first for a username with a person icon and the text 'admin', and the second for a password with a lock icon and five dots. Below these fields, it says 'Remaining logins: 5'. At the bottom is a large blue button labeled 'Login'.

2.2 Web Instruction

2.2.1 Home page


After login Web GUI then will jump to home page.



2.2.2 User list page

It will show current user information. You can enable black list or white list in MAC filter mode page, and add/delete forbidden/allow user.


The User List page displays a table of online users. The page has four tabs: Online Users (selected), Offline Users, Forbidden Users, and MAC Filter Mode. The table lists user information including device name, IP/MAC address, access type, and a switch to toggle the user's status. The first user listed is 'DEEP-2022BUZRNR' with IP address '192.168.8.100' and MAC address '00-17-C4-FB-5E-59', connected via Wi-Fi. The 'Switch' column for this user is labeled 'Current User'.


Device	IP/MAC Address	Access Type	Switch
 DEEP-2022BUZRNR 00:03:31	192.168.8.100 00-17-C4-FB-5E-59	Wi-Fi	Current User


2.2.3 Wi-Fi Settings page


You can change Wi-Fi parameters, such as Wi-Fi band, Wi-Fi SSID, Wi-Fi Key, channel, channel bandwidth

and so on.

NETWORK STATUS

USER LIST

WIFI SETTINGS

APP MODULE

Wi-Fi SettingsGuest Wi-FiAdvanced Settings

Master Wi-Fi Control

Wi-Fi Enable

Wi-Fi band

2.4+5 GHz

Frequency Combination

Max User

32

2.4G Wi-Fi Settings

Wi-Fi SSID

KuWFi2.4G6203

Security Mode

WPA2-PSK/WPA3-SAE

Wi-Fi Key

.....

SSID Broadcast

802.11 Mode

2.4 GHz (b/g/n/ax)

Channel

Auto

Channel Bandwidth

20/40MHz

AP Isolation


5G Wi-Fi Settings


Wi-Fi SSID	<input type="text" value="KuWFi5G6203"/>
Security Mode	<input type="text" value="WPA2-PSK/WPA3-SAE"/>
Wi-Fi Password	<input type="password" value="....."/>
SSID Broadcast	<input checked="" type="checkbox"/>
802.11 Mode	<input type="text" value="5 GHz (a/n/ac/ax)"/>
Channel	<input type="text" value="Auto"/>
Channel Bandwidth	<input type="text" value="20/40/80 MHz"/>
AP Isolation	<input type="checkbox"/>


Apply


2.2.4 APP module page

It's a guidance page, user can check device status and configure device settings from the items of this page.



NETWORK STATUS



USER LIST


WIFI SETTINGS



APP MODULE


Device Status


**Status**
Status details


**Statistics**
SIM card usage details

Network Settings

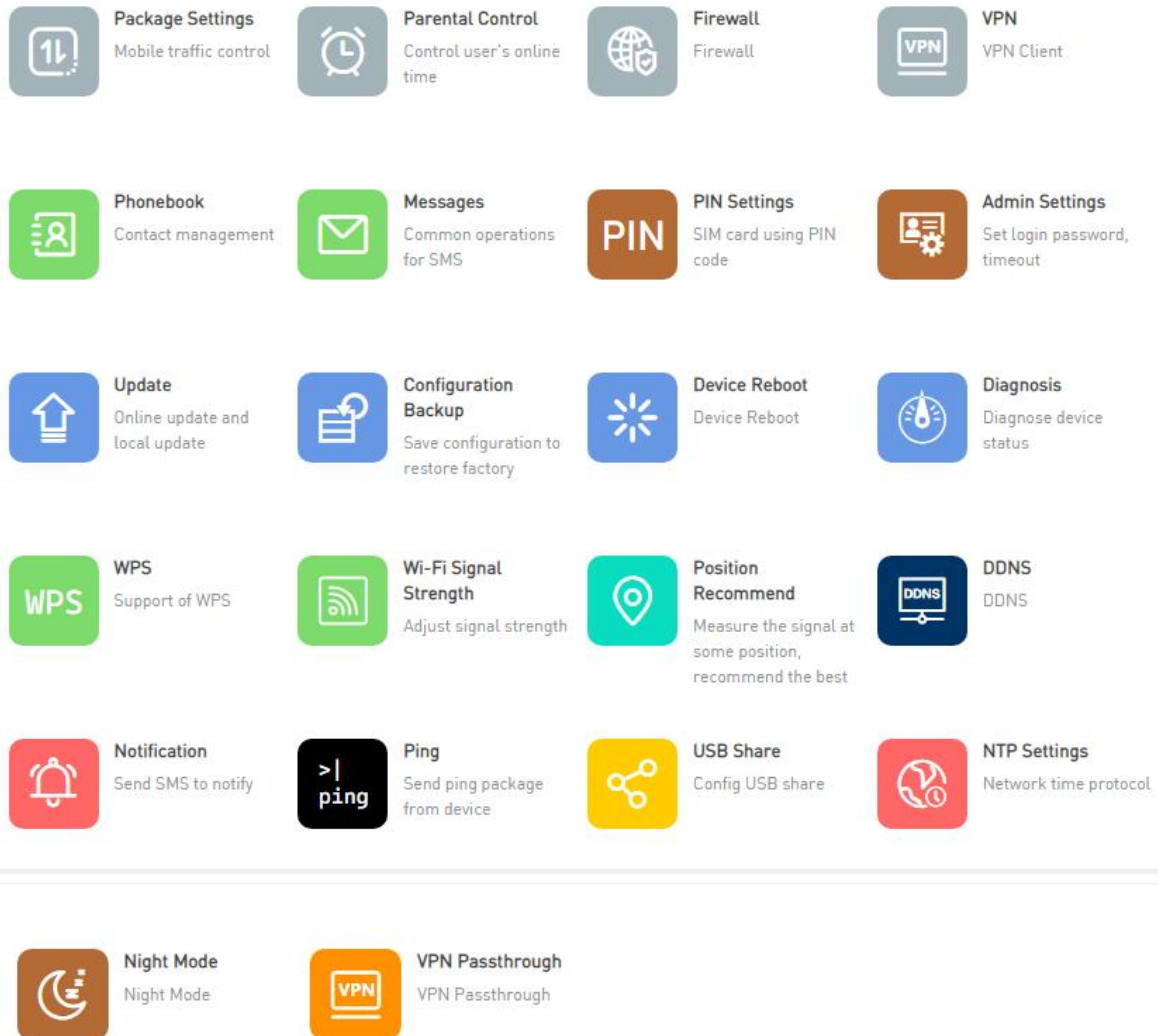
**WAN Settings**
Select WAN type

**Network Settings**
Network, APN and roaming settings

**Network Operators**
Manual and automatic network registration

**DHCP & DNS**
DHCP & DNS

Device Management



2.2.5 Status page

Login Web GUI, then go to APP MODULE > Status page, we can get the device connection status, WAN IP, DNS, boot time.....from this page.



NETWORK STATUS



USER LIST



WIFI SETTINGS



APP MODULE



Status

Device Status	Network Mode	Mobile Network[Auto]
	Network Status	5G-SA Connected
	Internet Status	Connected
	Band	N78
	WAN IP	10.5.57.224
	DNS	202.96.128.86 202.96.134.133
	WAN IPv6	240e:47c:38e8:7b18:8471:c87f:ef76:b987
	IPv6 DNS	240e:1f:1::1 240e:1f:1::33
	Boot Time	00:13:33
	Number of Users	1
	Wi-Fi Status	On
	Wi-Fi Channel	KuWFi2.4G6203: 5 KuWFi5G6203: 60

About

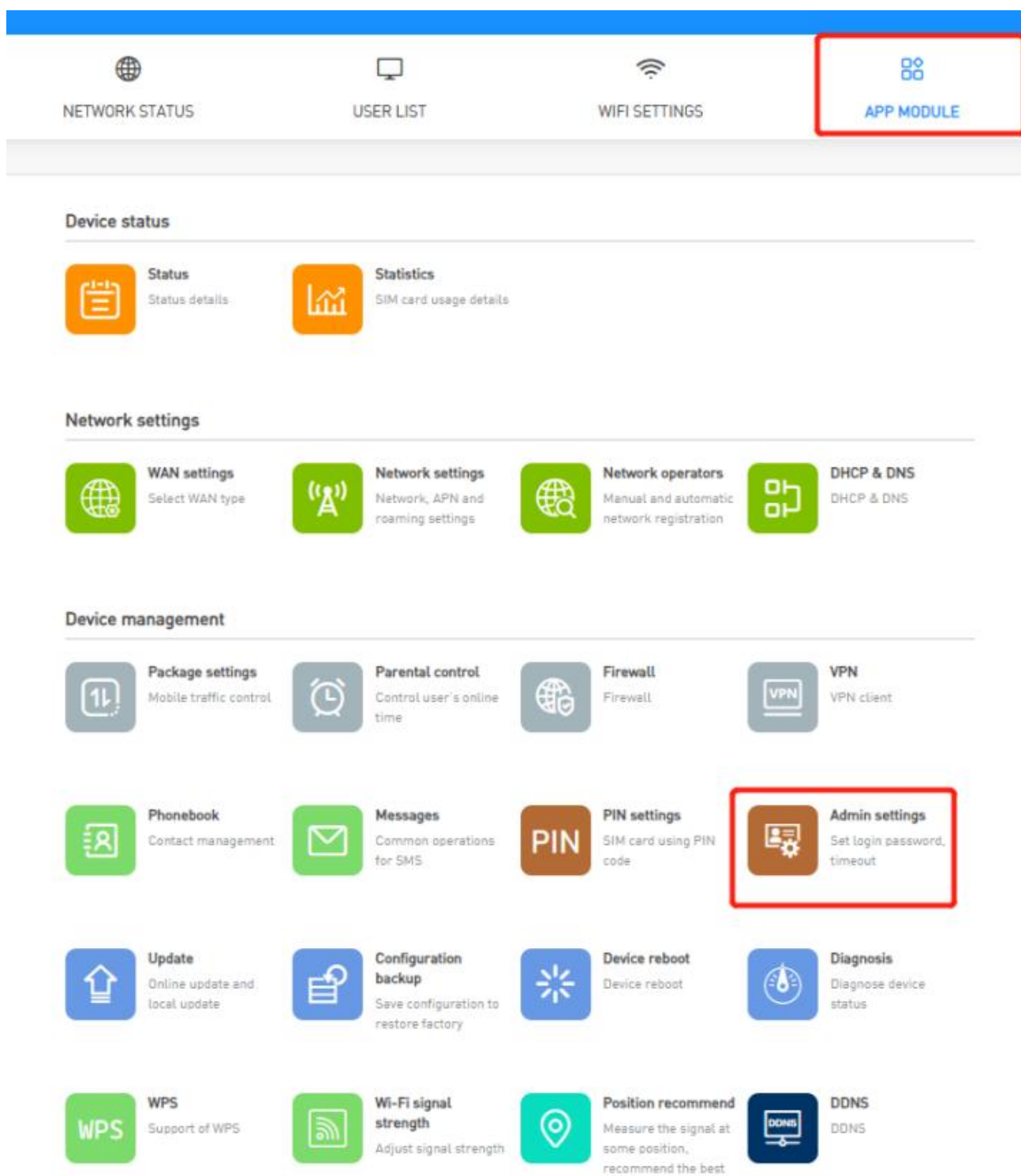
Software Version	CPE.C160.B01A
Hardware Version	CPE.C160.H01A
MAC Address	FC-DD-55-FF-62-03
IMEI	354972062936481
IMSI	460115056541926
SN	C160023B10000019
MSISDN	+8617302647128

Return

2.3 Change login password

To change login password, please follow below steps:

1. Go to APP MODULE -> Admin Settings.



2. Input the new password and confirm, then click "Apply" to take effect.



NETWORK STATUS



USER LIST



WIFI SETTINGS



APP MODULE



Admin Settings

Login Password

Login Password



Confirm Login Password

Confirm Login Password



Apply

Login Timeout

10 Min



Apply

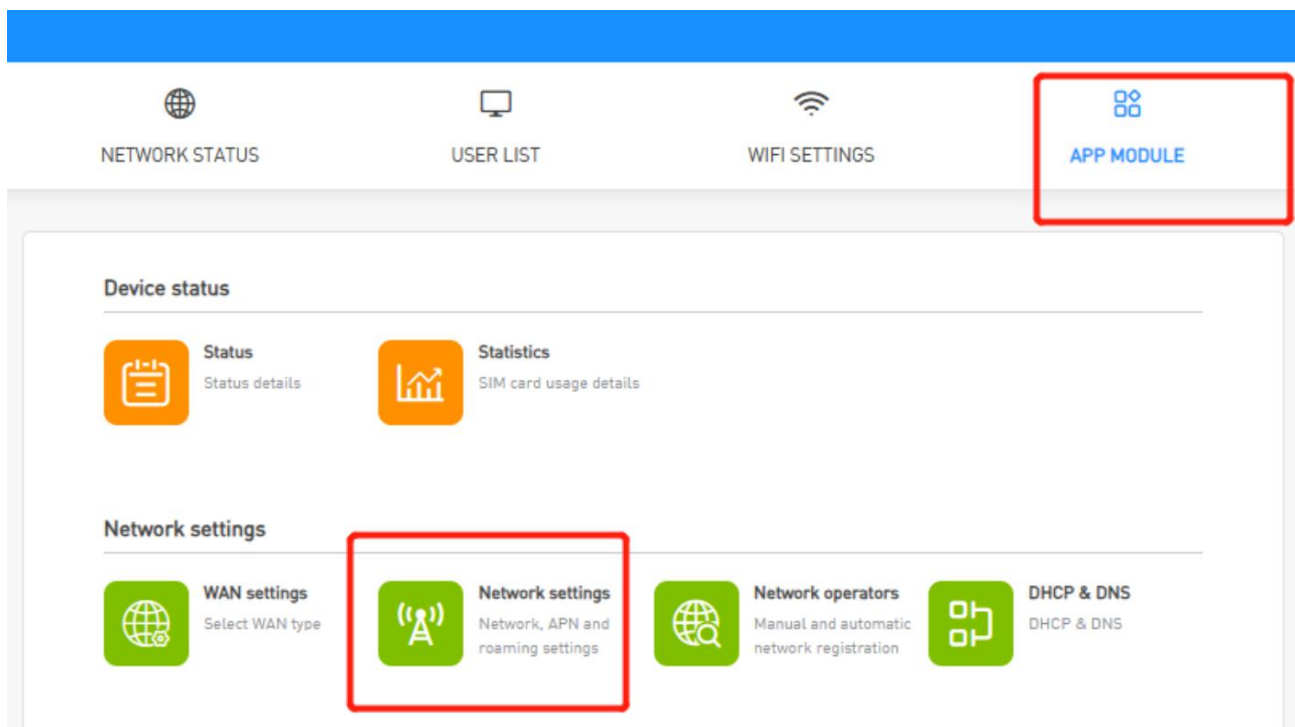
Return

2.4 Network settings

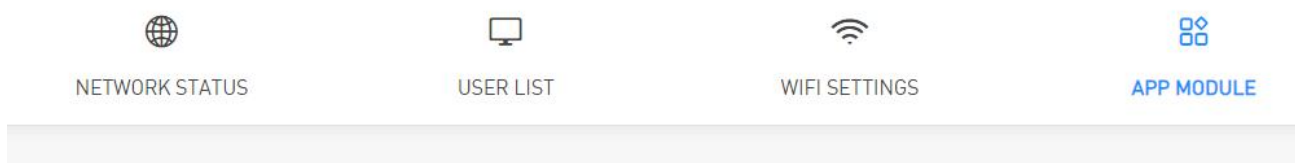
2.4.1 Network Mode


Device allows user to change network mode, such as 5G-SA, 5G-NSA, 4G only, 3G only. To change network mode, please follow below steps:

1. Go to APP MODULE -> Network Settings.



2. Select the network mode from drop down list.



 **Network Settings**

Network Settings

Connect Mode ☒ Auto ☐ Manual

Network Mode

Auto

Profile

APN List

APN1

Name

APN1

User

User

Password	<input type="password" value="Password"/>
APN	<input type="text" value="APN"/>
Authentication Type	<input type="text" value="None"/>
IP Mode	<input type="text" value="IPv4/IPv6"/>

Apply

Roaming

Roaming Mode



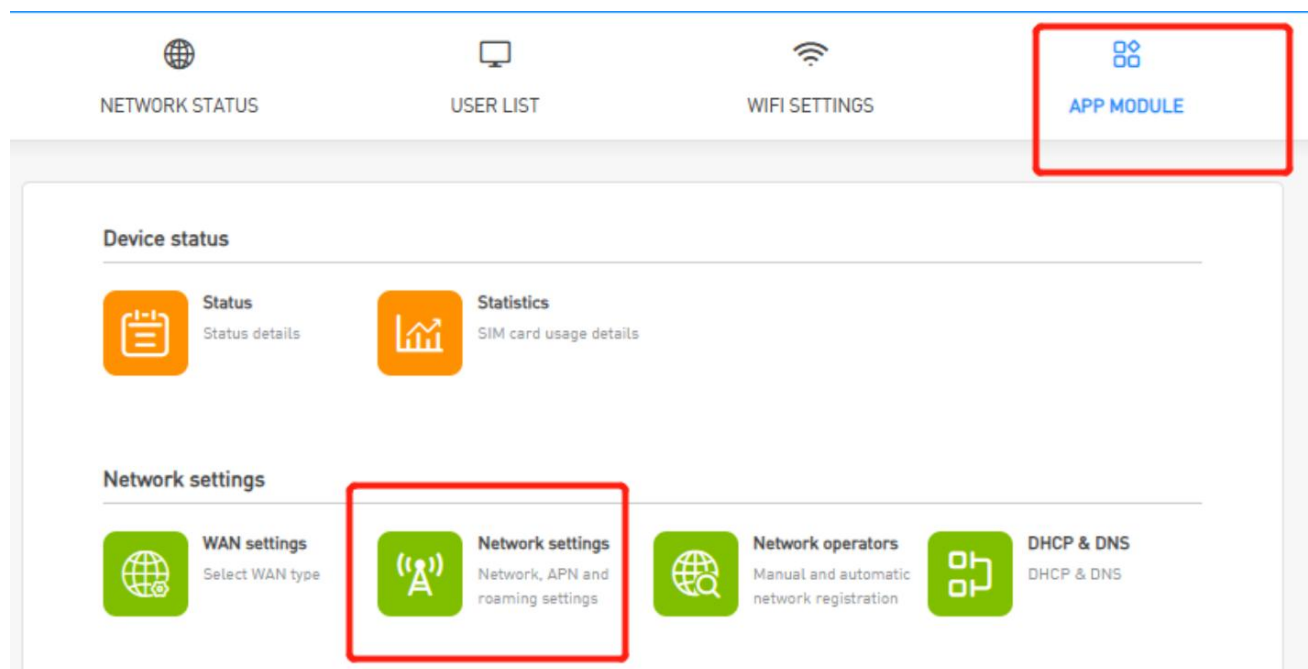
Apply

Return

2.4.2 APN settings


To change APN manually, please follow below steps:

1. Go to APP MODULE -> Network Settings.



2. Change profile mode to manual, then input APN or other parameters which you are needed. Click "Apply" to take effect. If you want to set more different APN, you can select from APN list and fill in

parameters.

 Network settings

Network settings

Connect mode

☒ Auto ☐ Manual

Network mode

5G-SA

Profile mode

Manual

Profile

APN list

APN1

Name

APN1

User

User

Password

Password

APN

APN

Authentication type

None

IP mode

IPv4/IPv6

Apply

2.5 WAN settings

If you want to use WAN cable/PPPoE/WiFi Extender, you can go to APP Module -> WAN settings to select WAN type from drop-down list.

NETWORK STATUS

USER LIST

WIFI SETTINGS

APP MODULE

WAN settings

WAN type

Mobile network

Wi-Fi extender

PPPoE

DHCP client

Mobile network

Static IP

Disable

More settings

Secondary WAN type

Apply

CPE also support secondary WAN type, mobile ping also should be enabled. When main WAN type has no network service, device will switch to secondary WAN type automatically. If WAN type has network service, device will switch back to main WAN type automatically.

NETWORK STATUS

USER LIST

WIFI SETTINGS

APP MODULE

WAN settings

WAN type

Mobile network

More settings

Mobile network settings

Secondary WAN type

DHCP client

Apply

Ping address

8.8.8.8

IPv6 ping address

2001:4860:4860::8888

Mobile ping enable

Apply

Return

2.6 Position recommend

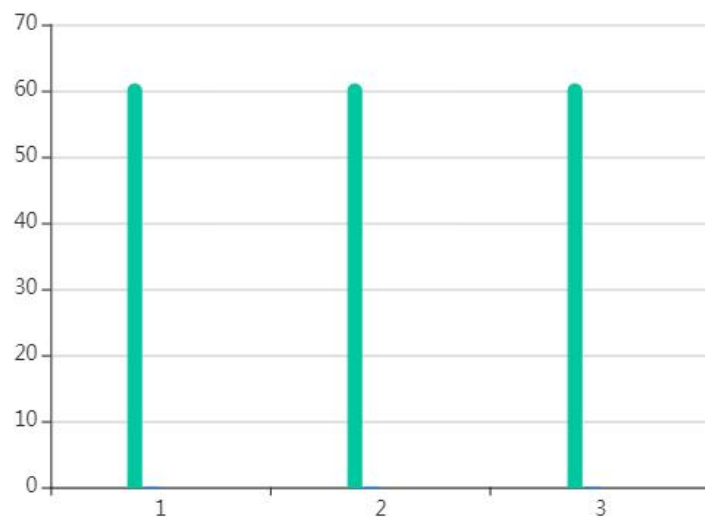
Please login Web UI, go to APP Module -> use position recommend function for helping you to decide location selection. Measure the signal at some position, recommend the best.



Position Recommend

The position recommendation can be adjusted to detect the signal quality of the SIM card in different areas.

5G 4G



Begin Detect

Return

3 Firmware Upgrading

There are 2 methods to upgrade the device:

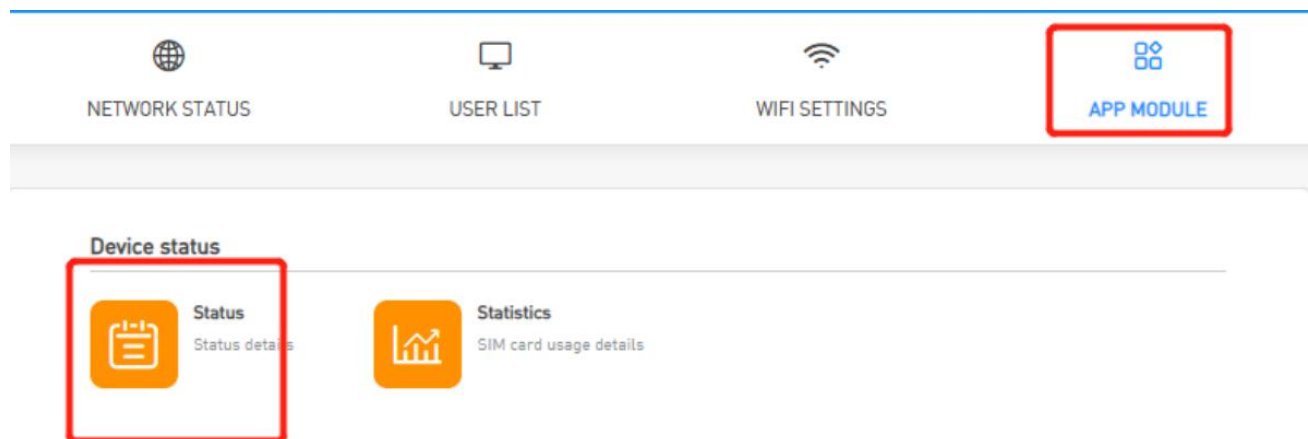
1. FOTA – To upgrade the device over the air. Please keep the device power on and ensure it has internet connectivity.
2. Local Upgrade – To upgrade the firmware that downloaded to local.

3.1 Preparation for FOTA

Please share below information of the device to us for enabling the FOTA:

1. IMEI of the device.
2. The firmware version of the device.

To get above information please go to APP MODULE -> Status to check the firmware version and IMEI of the device.





Status

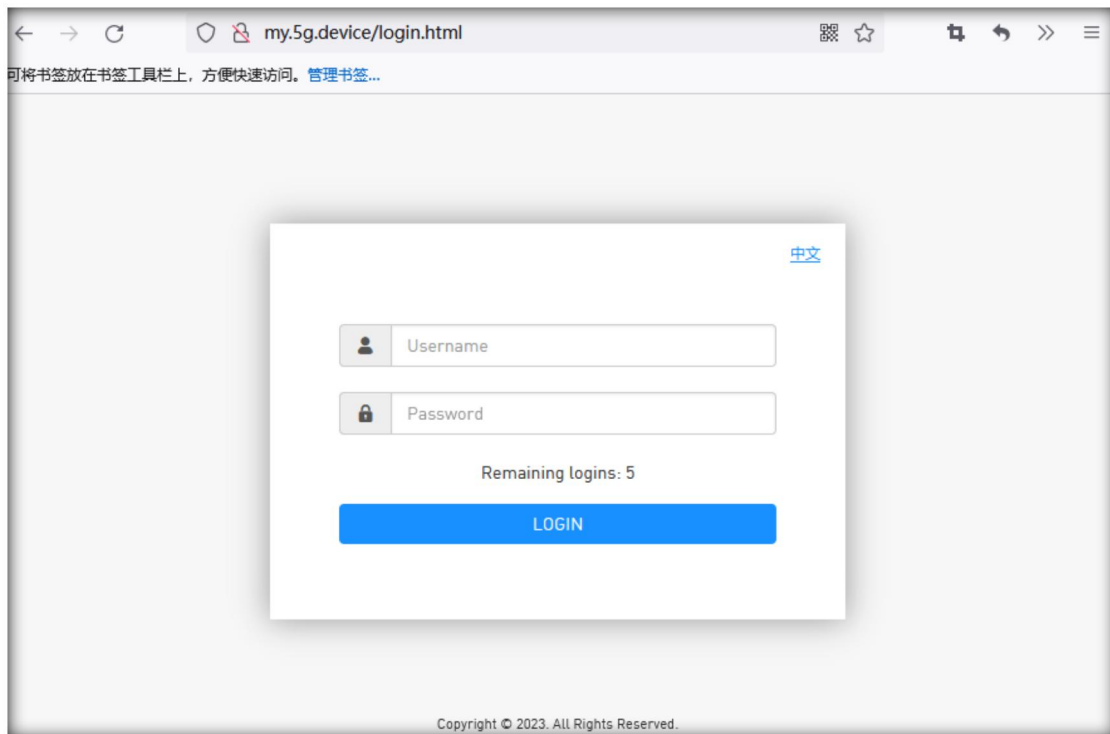
Device status	Network mode	Mobile network(Auto)
	Network status	5G-SA Connected
	Internet status	Connected
	WAN IP	10.34.86.4
	DNS	120.80.80.80 221.5.88.88
	WAN IPv6	2408:8459:3010:1176:d2e:8215:6289:1459
	IPv6 DNS	2408:8888:0:8888::8 2408:8899:0:8899::8
	Boot time	02:47:53
	Number of users	1
	Wi-Fi status	On
	Wi-Fi channel	CPE-2.4G-5B6E_test: 5 CPE-5G-5B6E_test: 56
About	Software version	CPE.C150.B01
	Hardware version	CPE.C150.H01
	MAC address	FC-DD-55-FF-5B-6E
	IMEI	354972062932787
	IMSI	460012478639151
	MSISDN	8618682479542

[Return](#)

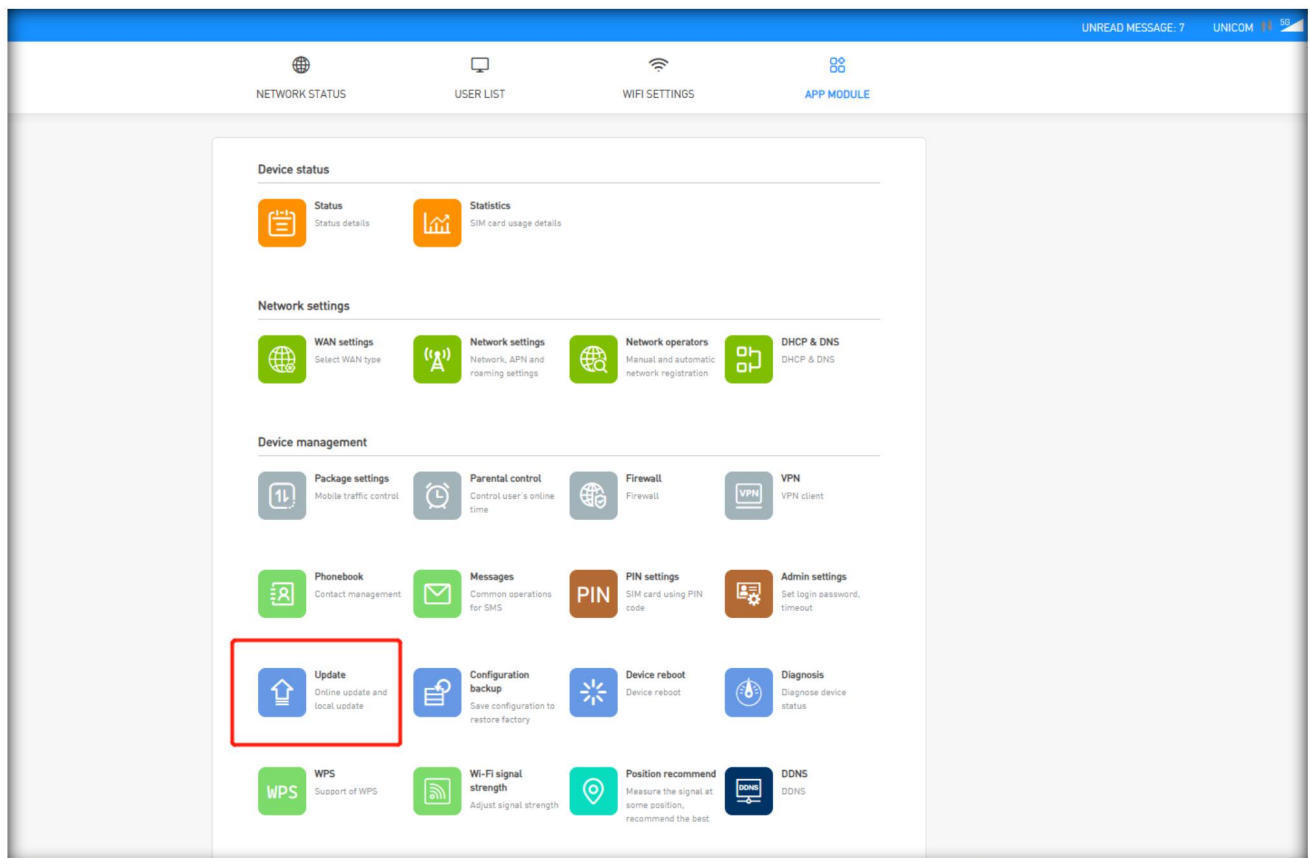
3.2 Local Upgrade

Firstly, please get the upgrading package or image file from us.

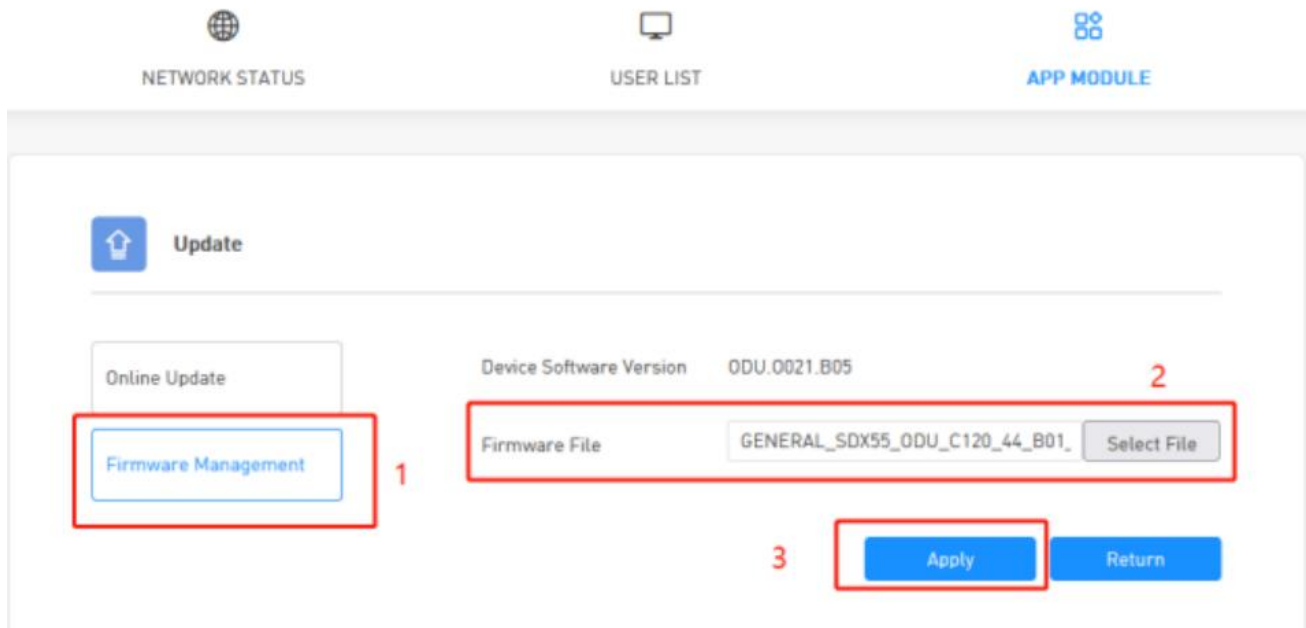
1. Login to Webui.



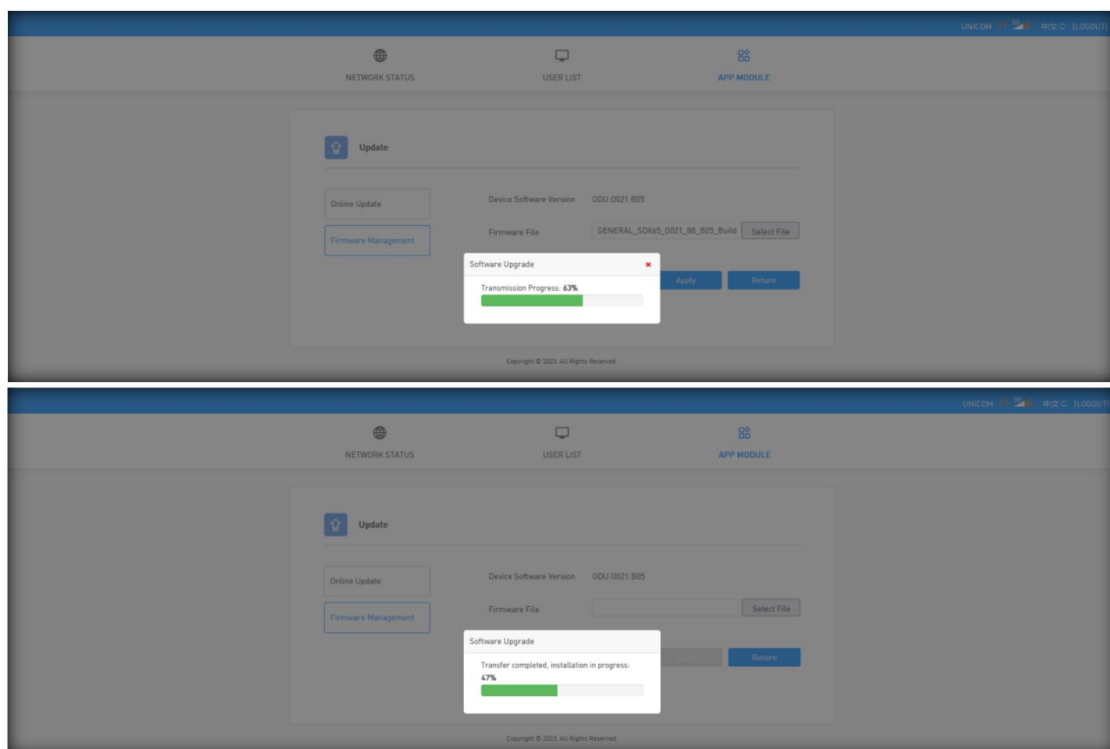
2. Go to APP MODULE -> Update page.



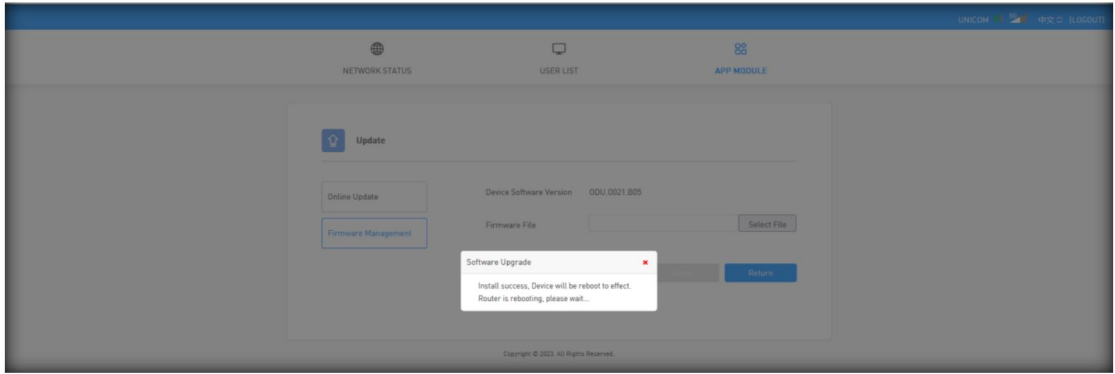
3. Choose Firmware Management -> Select File -> choose firmware package -> Click Apply button.



4. Device will download the upgrade file from your PC and install it automatically.



5. After installation completed, device reboots automatically.



4 Login to the engineering page

Basic 3 steps of login engineering page:

1. Connect the device to laptop.
2. Open browser and enter <http://my.5g.device/engineering.html>.
3. Input engineering page username & password (superadmin/superadmin).

Engineer mode

Adbd

OTG

Band config

Account

TR069

TR369

XMPP config

Log download

Home

Engineer mode

Refresh

NR5G-SA

PLMN	46001
CELL ID	8860881152
PCI	735
TAC	2162698
ARFCN	633984
Band	87% 78
Operation mode	TDD
Band width DL	100 MHz
RSRP	-95 dBm
RSRQ	-13 dB
SINR	-2 dB

LTE CA information

Refresh

Is PCC	EARFCN DL	Band width DL	Band	PCI	RSRP	RSRQ	RSSI
--------	-----------	---------------	------	-----	------	------	------