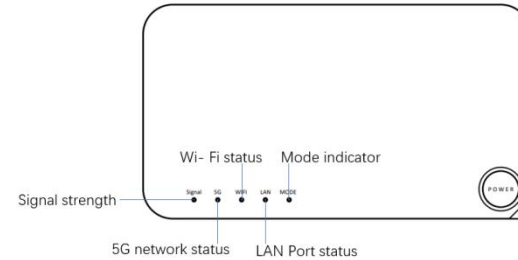
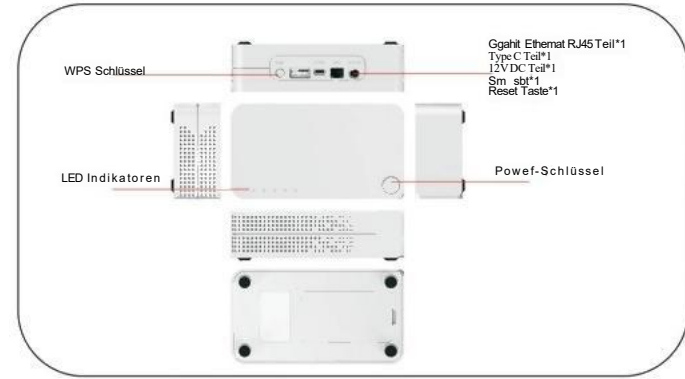


5G NR Router Benutzerhandbuch



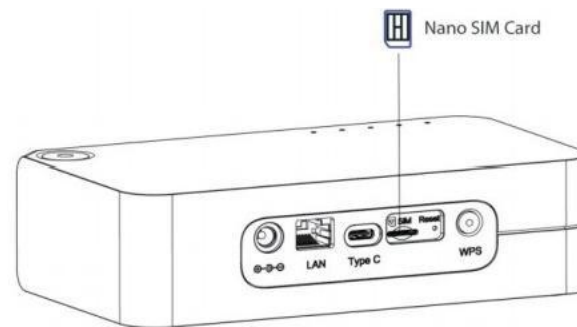
Schnittstellen	LAN-Anschluss		RJ45*1.1Gbps
	Micro-SIM-Steckplatz		4FF/Nano SIM
	Reset Schlüssel		Für einen Hardware-Reset
	USB-Anschluss		Zu Debugging-Zwecken.
	Stromanschluss		12V/2A
Indikatoren	Signal	Grün	Gutes Signal, RSRP>=-105
		Blau	Mittleres Signal, RSRP<-105
		Rot	Kein Service
	5G	Grün	5G-Netz ist verbunden
		AUS	5G-Netz ist getrennt
	WiFi	Grün	WiFi auf
		AUS	WiFi aus
		Blitz	WPS funktioniert
	LAN	Grün	LAN-Anschluss funktioniert
		AUS	LAN-Anschluss funktioniert nicht
	Modus	Grün	Einschalten über Netzteil
		AUS	Ausschalten
Grüner Blitz		FOTA	
Mechanisch	Dimension 163*90*45mm		

1.CPE Einrichten

Weitere Informationen zur Installation finden Sie in der Kurzanleitung.

1.1 SIM-Karte Installieren

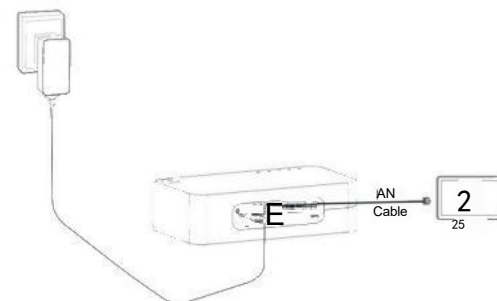
- 1.Make Stellen Sie sicher, dass Sie die richtige SIM-Karte verwenden: Nano-SIM (4FF).
- 2.Legen Sie die SIM-Karte vorsichtig in die in der Abbildung unten gezeigte Richtung in das SIM-Kartenfach ein, bis sie einrastet.



Anmerkung : Wenn Sie die SIM-Karte entfernen möchten, drücken Sie bitte die SIM-Karte vorsichtig hinein, bis sie einrastet. **dann springt die Karte automatisch heraus.**

1.2 Verbindung

Bitte schließen Sie das Gerät an und installieren Sie es, wie in der Abbildung unten gezeigt.



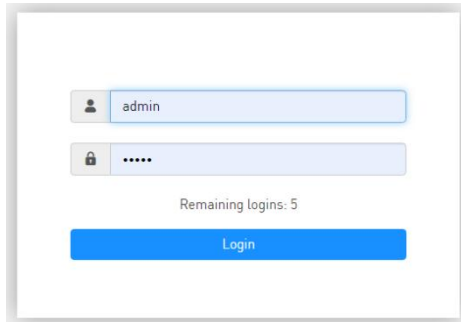
- 1.Schließen Sie das Netzteil an das 5G-CPE an.
- 2.Drücken Sie die Ein-/Aus-Taste, um das Gerät einzuschalten, 5G CPE initialisiert den Startvorgang.
- 3.Wenn die Anzeige aufhört zu blinken, schließt das 5G-CPE die Initialisierung ab und beginnt zu arbeiten.

2.Login WEB GUI

2.1 Login

Um sich bei der Web-GUI anzumelden, führen Sie bitte die folgenden Schritte aus:

1. Verbinden Sie das Gerät entweder über ein Ethernet-Kabel oder WiFi mit dem Laptop
2. Öffnen Sie den Browser und geben Sie 192.168.8.1 oder <http://my.5g.device/> ein.
3. Geben Sie Benutzername und Passwort ein (admin/admin).



admin

.....

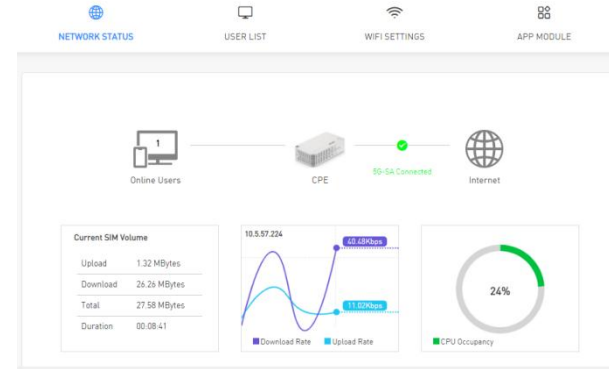
Remaining logins: 5

Login

2.2 Web Anleitung

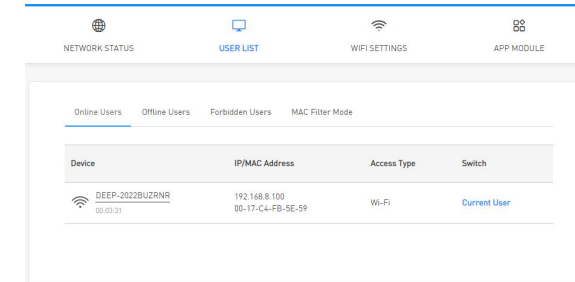
2.2.1 Home page

Nach der Anmeldung springt Web GUI dann zur Startseite.



2.2.2 Seite Benutzerliste

Es werden aktuelle Benutzerinformationen angezeigt. Sie können die schwarze oder weiße Liste auf der MAC-Filtermodus-Seite aktivieren und verbotene/erlaubte Benutzer hinzufügen/löschen.



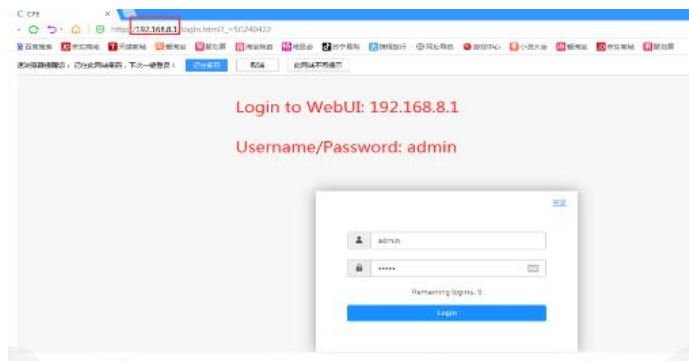
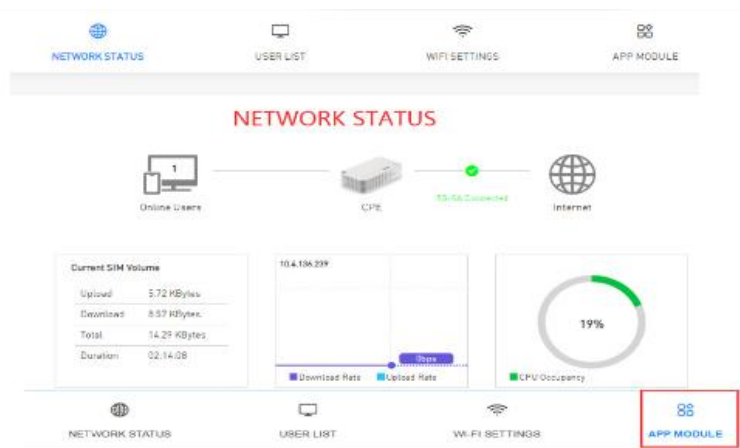
NETWORK STATUS USER LIST WIFI SETTINGS APP MODULE

Online Users Offline Users Forbidden Users MAC Filter Mode

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

2.2.3 Seite Wi-Fi-Einstellungen

Sie können Wi-Fi-Parameter ändern, z. B. Wi-Fi-Band, Wi-Fi-SSID, Wi-Fi-Schlüssel, Kanal, Kanalbandbreite und so weiter.



NETWORK STATUS

USER LIST

WIFI SETTINGS

APP MODULE

User List

Online Users

Offline Users

Forbidden Users

MAC Filter Mode

Device	IP/MAC Address	Access Type	Switch
BF-20240814YMD 33.10.03	192.168.8.100 00-ED-4C-99-56-6F	Wi-Fi	Current User

NETWORK STATUS

USER LIST

WIFI SETTINGS

APP MODULE

WiFi Settings

Wi-Fi Settings

Guest Wi-Fi

Advanced Settings

Master Wi-Fi Control

Wi-Fi Enable

Wi-Fi Band

Frequency Combination

Max User

2.4G Wi-Fi Settings

Wi-Fi SSID

Security Mode

Wi-Fi Key

SSID Broadcast

802.11 Mode

Channel

Channel Bandwidth

AP Isolation

5G WiFi Settings

5G Wi-Fi Settings

Wi-Fi SSID

Security Mode

Wi-Fi Password

SSID Broadcast

802.11 Mode

Channel

Channel Bandwidth

AP Isolation

Apply

Guest WiFi

Wi-Fi Settings

Guest Wi-Fi

Advanced Settings

Guest Wi-Fi is enable a hidden Wi-Fi network for guests on your router, suitable for situations where it is not convenient to disclose your wireless password, and avoids all kinds of Wi-Fi keys stealing privacy information.

Guest Wi-Fi Switch

Guest Wi-Fi Band

Guest Wi-Fi SSID

Guest Wi-Fi Broadcast

Security Mode

Guest Wi-Fi Password

Guest Wi-Fi Max User

Apply

NETWORK STATUS

USER LIST

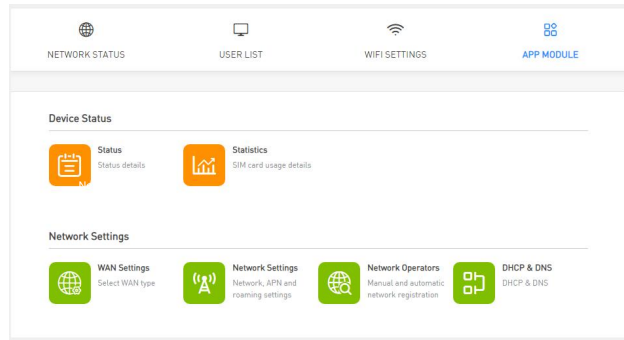
WIFI SETTINGS

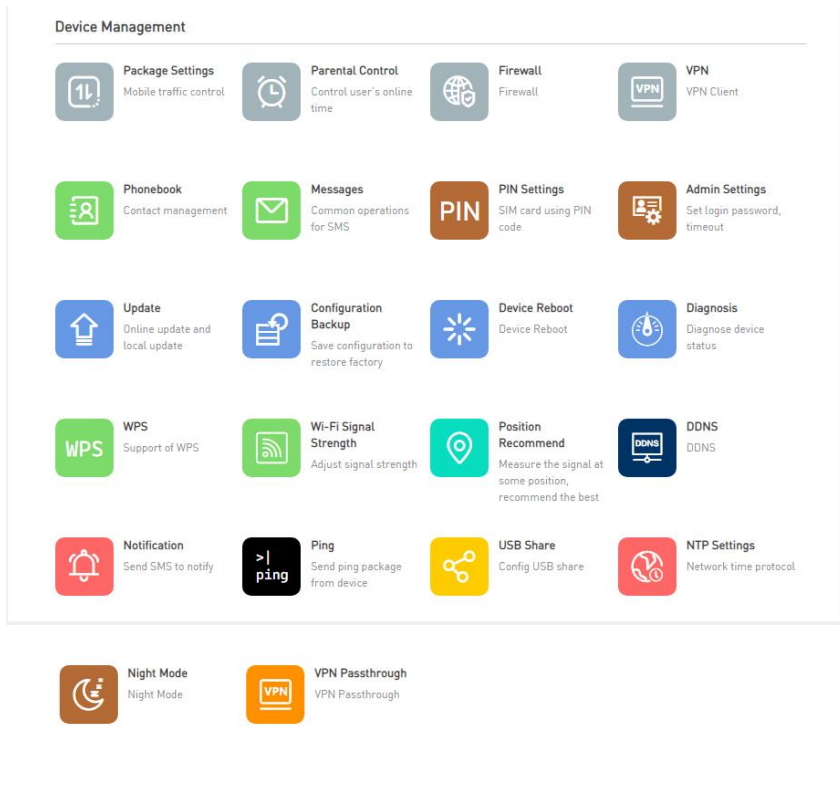
APP MODULE

7

2.2.4 Seite des APP-Moduls

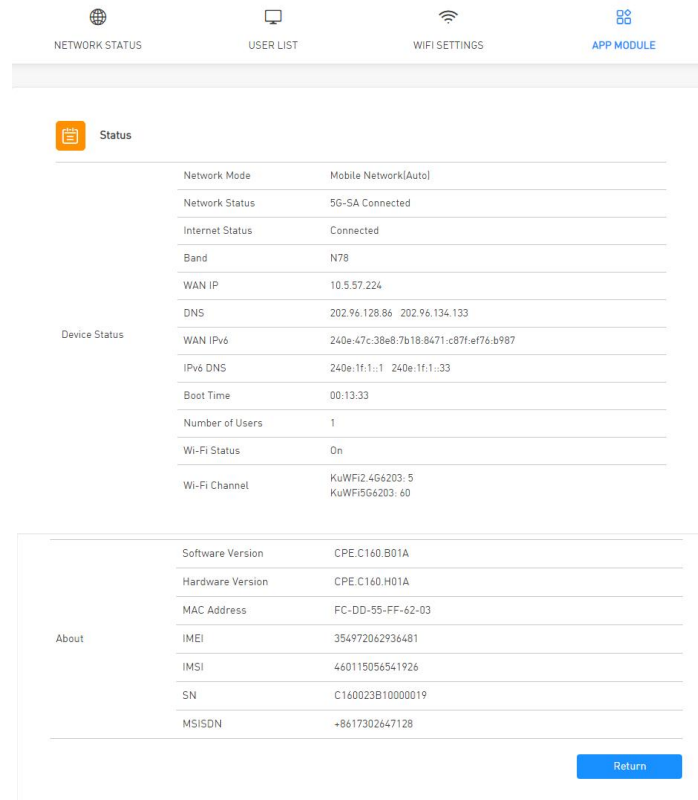
Es handelt sich um eine Anleitungsseite, auf der der Benutzer den Gerätestatus überprüfen und die Geräteeinstellungen über die Elemente dieser Seite konfigurieren kann.





2.2.5 Seite Status

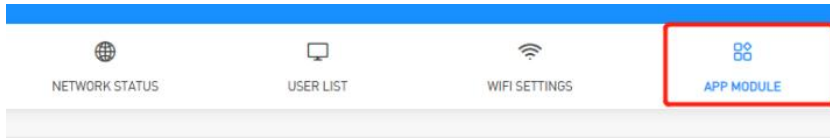
Melden Sie sich bei der Web-GUI an und gehen Sie dann auf die Seite APP-MODUL>Status, auf der wir den Verbindungsstatus des Geräts, WAN IP, DNS und die Startzeit abrufen können..... von dieser Seite



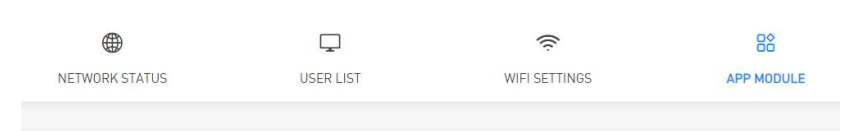
2.3 Login-Passwort ändern

Um das Login-Passwort zu ändern, gehen Sie bitte wie folgt vor:

1. Gehen Sie zu APP-MODUL -> Admin-Einstellungen.



2. Geben Sie das neue Passwort ein und bestätigen Sie es, dann klicken Sie auf "Übernehmen", um wirksam zu werden.



Admin Settings

Login Password

Login Password

Confirm Login Password

Confirm Login Password

Apply

Login Timeout

10 Min

Apply

Return

2.4 Netzwerkeinstellungen

2.4.1 Netzwerk-Modus

Das Gerät ermöglicht es dem Benutzer, den Netzwerkmodus zu ändern, z. B. 5G-SA, 5G-NSA, nur 4G, nur 3G. Um den Netzwerkmodus zu ändern, führen Sie bitte die folgenden Schritte aus:

1. Gehen Sie zu APP-MODUL->Netzwerkeinstellungen..

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



Package settings
Mobile traffic control



Parental control
Control user's online time



Firewall
Firewall



VPN
VPN client



Phonebook
Contact management



Messages
Common operations for SMS



PIN settings
SIM card using PIN code



Admin settings
Set login password, timeout



Update
Online update and local update



Configuration backup
Save configuration to restore factory



Device reboot
Device reboot



Diagnosis
Diagnose device status



WPS
Support of WPS



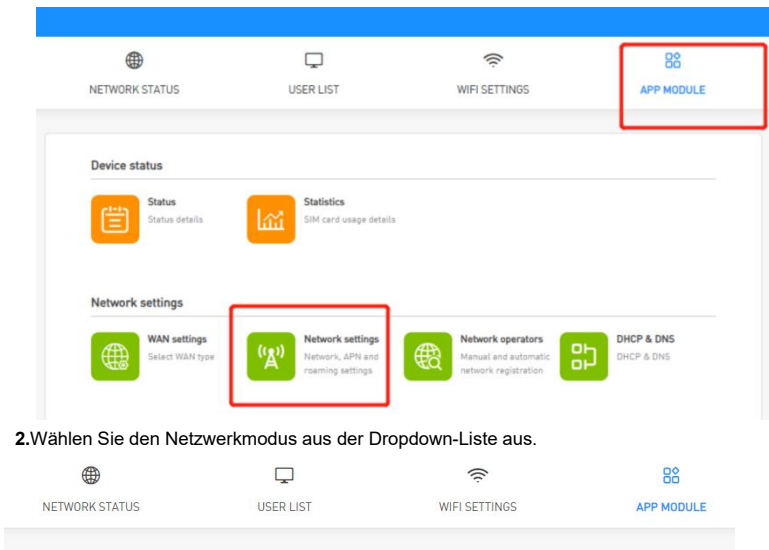
Wi-Fi signal strength
Adjust signal strength



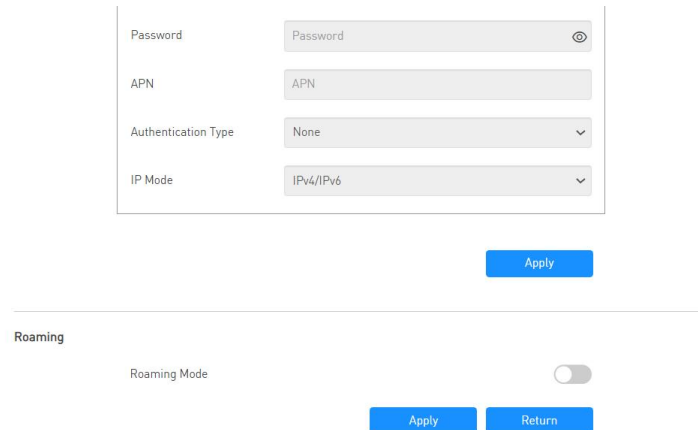
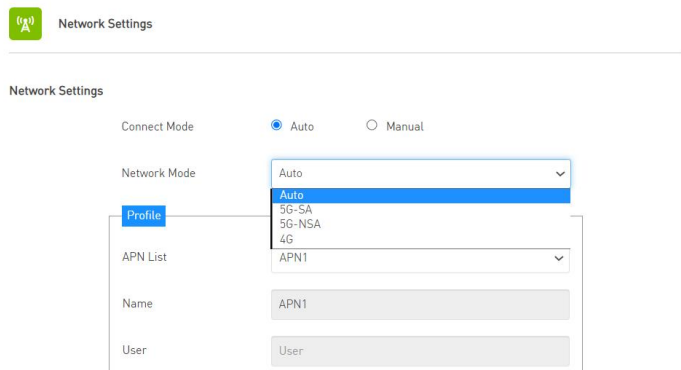
Position recommend
Measure the signal at some position, recommend the best



DDNS
DDNS



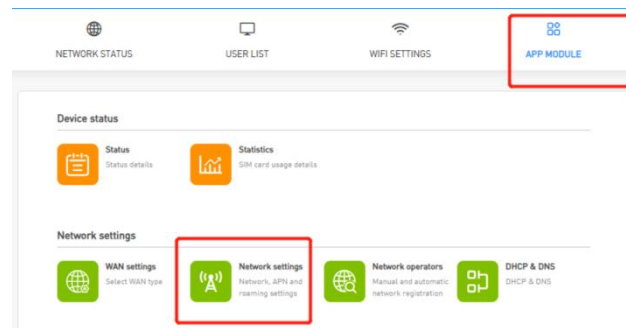
2. Wählen Sie den Netzwerkmodus aus der Dropdown-Liste aus.



2.4.2 APN Einstellungen

Um den APN manuell zu ändern, führen Sie bitte die folgenden Schritte aus:

1. Gehen Sie zu APP-MODUL > Netzwerkeinstellungen.



2. Ändern Sie den Profilmodus in manuell und geben Sie dann APN oder andere Parameter ein, die Sie benötigen. Klicken Sie auf "Übernehmen", um wirksam zu werden. Wenn Sie mehr unterschiedliche APN festlegen möchten, können Sie aus der APN-Liste auswählen und Parameter eingeben.

Network settings

Connect mode: ☒ Auto ☐ Manual

Network mode: 5G-SA

Profile mode: Manual

APN list

APN list: APN1

Name: APN1

User: User

Password: Password

APN: APN

Authentication type: None

IP mode: IPv4/IPv6

Apply

2.5 WAN-Einstellungen

Wenn Sie WAN-Kabel/PPPoE/WiFi Extender verwenden möchten, können Sie zu den APP-Modul->WAN-Einstellungen gehen, um den WAN-Typ aus der Dropdown-Liste auszuwählen..

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.

WAN settings

WAN type: Mobile network

More settings

Secondary WAN type: DHCP client

Apply

8.8.8.8

Pwdping address: 2001-4860-4860-00

Mobile ping enable: ☒

Apply Return

2.6 Position recommend

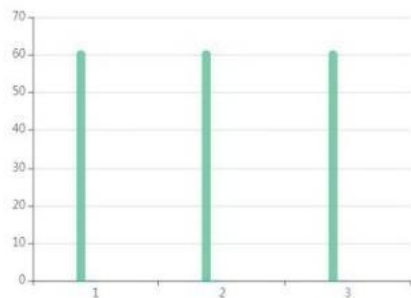
Please login Web UI, go to APP Module->use position recommend function for helping you to decide location selection. Measure the signal at some position, recommend the best.



Position Recommend

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

G G



Begin Detect

Return

3. Firmware Upgrading

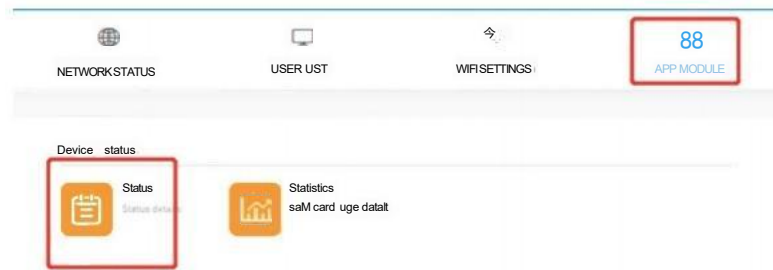
There are 2 methods to upgrade the device:

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.



Device status	Status	
	Network mode	Mobile networkAuto
	Netynrk st	5G-CA ConO*cted
	Internet status	Connected
	WANIP	10.34.86.4
	DNS	12080.808022158898
	WANIP	2408.8469.3010.1176-120-8215-6289-1659
	IPv6 DNS	2408.8888:0.88882408.8899:0.8899.8
	Boct time	02-47:53
	Number f usere	
About	Wi.Fietatut	On
	Wi-Fi channel	CPE-24G-5B6E_test-5 CPE-5G-5BSE_test_56
	Geftware _version_	CPF C150 BOI
	Hardware _version_	CPE C150 HOI
	MAC address	FC-00-55-FF-5B-6E
	IMEI	354972062932787
	IMSI	460012478637151
	MSISDN	8618682679562
	Return	

3.2 About FOTA

3.2.1Auto FOTA

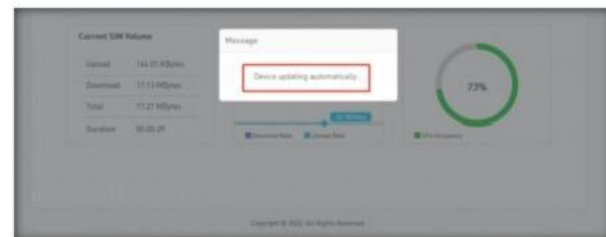
By default,device checks the availability of the update automatically in below scenes:

1)When device power on,and register on the network for the first time.

2)After device power on within 24 hours,device will check every 1-2 hours (It is random time).

Note:For more details about auto FOTA check rule,you can check with us.

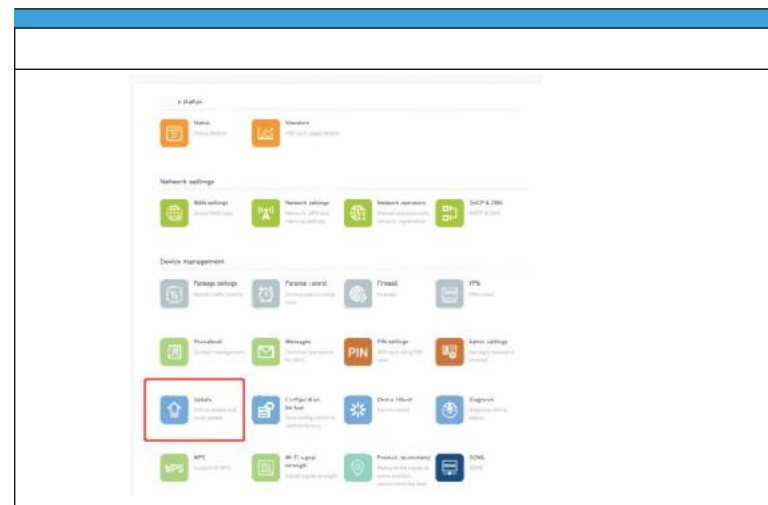
If you log in WebUI during updating,you can see below pop up message.



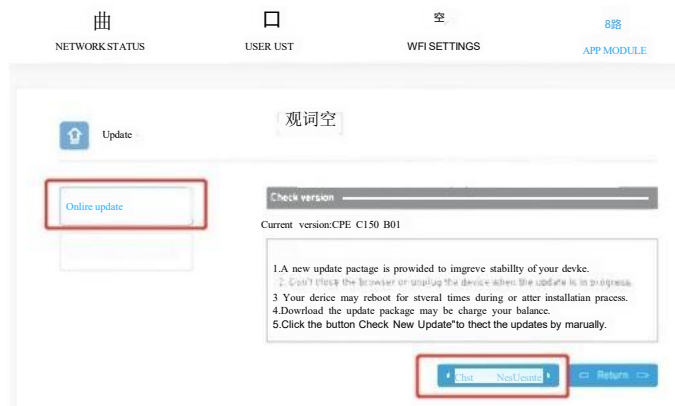
3.2.2Manual FOTA

1.Login to the WebUI

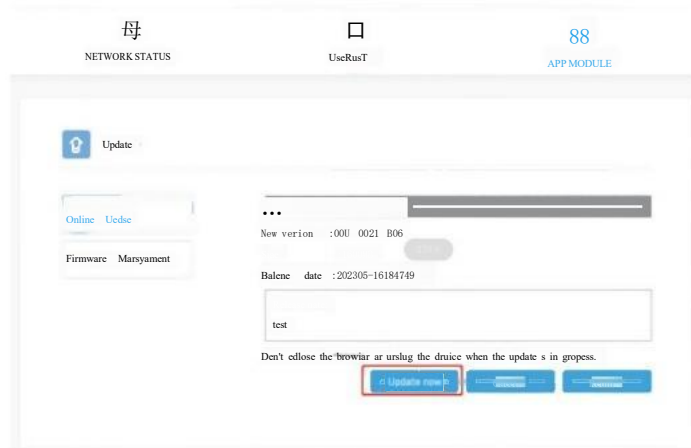
2.Go to APP MODULE->Select Update'.



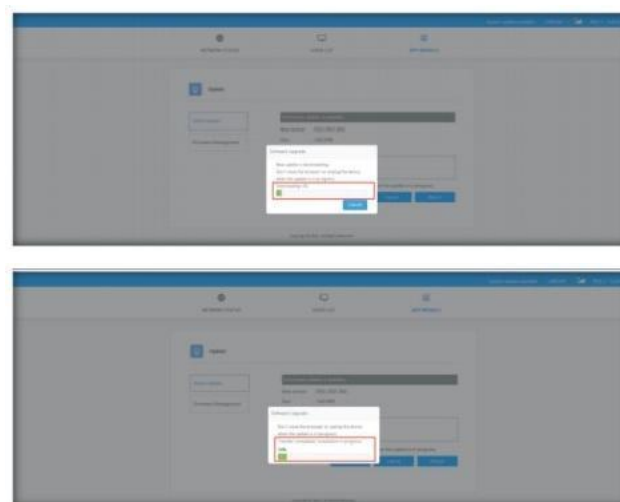
3. Select 'Online Update' at side menu and click "Check new update" button.



4. You will see the availability of a new firmware, click "Update now" button.



5. Wait until new firmware download completed. It will start the installation automatically.



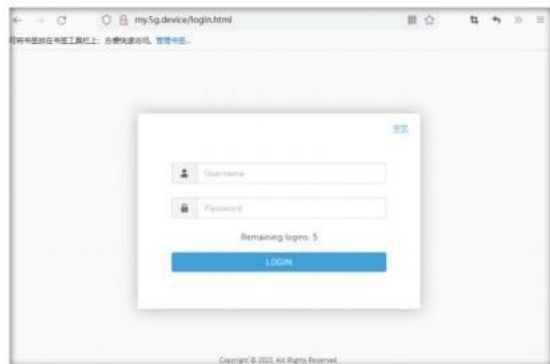
6. After installation completed, device will reboot automatically.



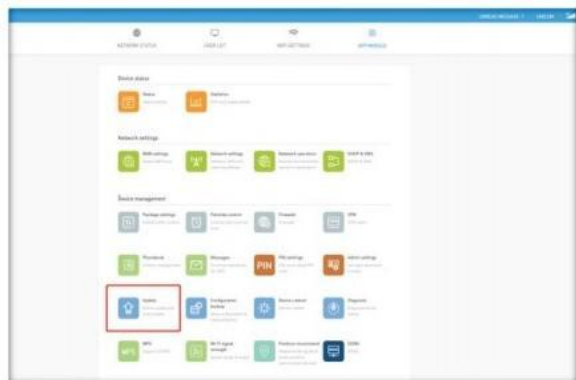
3.3 Local Upgrade

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

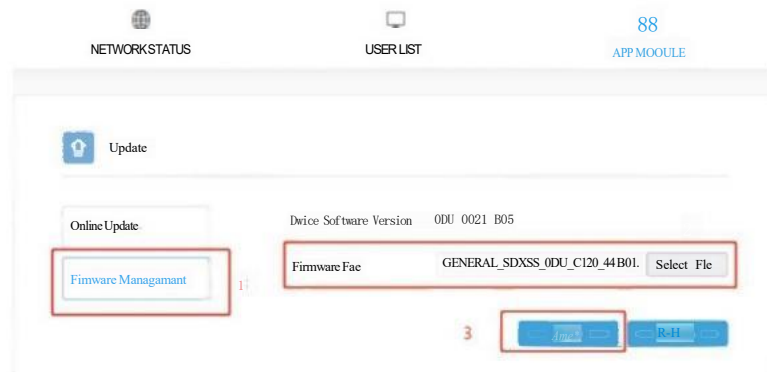
1. Login to Webui.



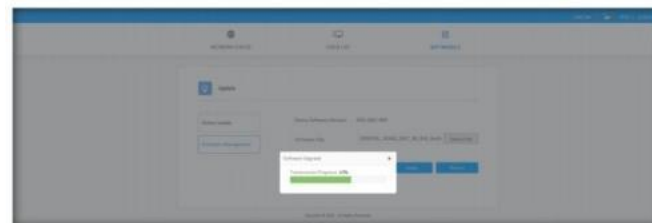
2. Go to APP MODULE>Update page.

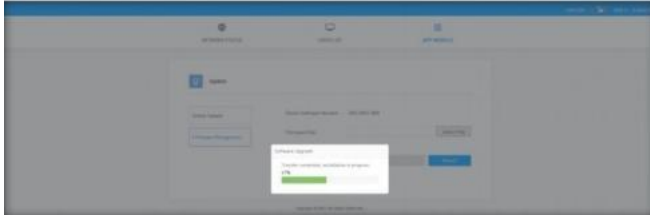


3. Choose Firmware Management->Select File->choose firmware package ->Click Apply button.

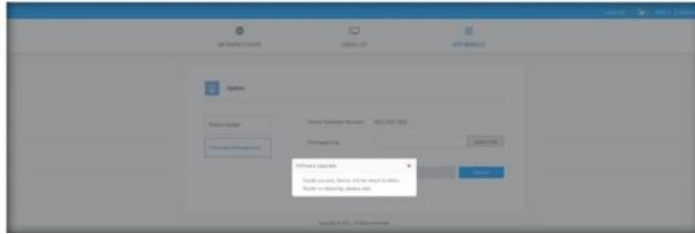


4. Device will download the upgrade file from your PC and install it automatically.





5.After installation completed,device reboots automatically.



4.Engineering Page Introduction

4.1 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
Ad	NRSO-5A
	N um
oic	cfl
	1
Hitnd cangt	724,240
	177,240
Arant	ASFCN
	177,240
TB&F	hm
	177,240
HOMF	P
	-m
EB&F	EHRL
	1
le dhined	SNB
	2
	LTE CA information
	B PGE EA&FEN L Band wds DL Band # SSRP RSSI RSS

4.2 Engineering page

4.2.1Engineer Mode Page

The page shows network parameters and CA information,such as:

PLMN:Public Land Mobile Network

CELL_ID:same as GCI:Global-Cell ID

PCI:Physical Cell Identities

TAC:Tracking Area Code

ARFCN:Absolute Radio Frequency Channel Number

BAND:Band Number

RSRP:Reference Signal Receiving Power

RSRQ:Reference Signal Receiving Quality

SINR:Signal to Interference plus Noise Ratio

	Engineer mode	Refresh
Adbd	NR5G-SA	
	PLMN	4600
OTG	CELL ID	8860881152
	PCI	735
Band config	TAC	2162698
	ARFCN	633984
	Band	78
TRD69	Operahon mod	TDD
	Band ieth Dr	100 MHz
	RSRP	95 dBm
XMPP config	RSRQ	-13 dB
	SIN	2 dB
Log download		
Home	LTE CA information	Refresh
	Is PCC	EARFCN DL
	Band width DL	Band
	Pcl	RSRP
	RSRQ	RSSI

4.2.2Adbd

Here you can enable device's adbd server, enabling adbd is to get the access to adb shell of the device. And you will need a password to enable adbd, please share the magic number shown on the page to us, we will calculate the password and help you to access the shell of the device.

Engineer mode	Adbd
	Magic number
Adbd	b7744698d1cc5bd39cBbe9df57ccc54
	Status
OTG	Started
	Password
Band config	Apply
Account	
TR069	
TR369	
XMPP config	
Log download	
Home	

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4. 2. 3OTG

Here you can switch USB mode between Host and Slave, default is Host mode.

Host Mode: You can connect a USB disk and do read/write/execute/delete operation.

Slave mode: You can connect DUT with laptop via USB cable, there will be a RNDIS port, it is used to debug for engineers.

Engineer mode	OTG	
Aabdd	Otg type	Host Slave
OTG		
Band config		
Account		
TR069		
TR369		
XMPP config		
Log download		
Home		

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Engineer mode	Band config			
Aabdd	LTE			
	☒ B1	☒ B3	B5	☒ B7
orG	四 B 8	B20	☒ B28	四 B 3 2
	☒ B34	☒ B38	B39	☒ B40
Band config	☒ B41	☒ B42	84	☒ B48
Account	NR NSA			
	Q NI	0 N3	0 N5	☒ N7
TR069	☒ NB	N20	N28	☒ N38
	N40	四 N 4	N48	N77
TR369	N78	四 N 7 9		
XMPP config	NR			
	四 N I	N3	N5	N7
Log download	NB	N20	Q N28	N3B
Home	N40	☒ N4	N48	N77
	NO	N7P		

Restart

Apply

4.2.4Band config

This page shows all frequency bands supported by the device.

Engineers could do the bands configuration on this page by ticking the bands required then click apply and restart to take effect.

4.2.5Account

This page can change the engineering page password and the time out time.

Engineer made	Account		
Adhd	Super password	Super password	⊙
OTG	Confirm password	Confirm password	⊙
Band config	Login Timeout	15 Mn	
			AppV

TR069
TR369
XMPP config
Log download
Home

4. 2. 6TR069

This page shows TR069 information, it is disabled by default. Here you can enable and set the TR069 parameters. For more information or customization, please contact us and share your requirement document.

Engineer made	TR069		
Adhd	ACS enable		
OTG	ACSURL	ACS URL	
Band config	ACS eername	ACS asarname	
Account	ACS password	ACS spanswerd	⊙
	Periodic inform		
TR369	Periodic inform interval	1800	
MPP canbig	Raquist username	Request username	
Log download	Raquentpanswerd	Request password	⊙
Home	Auth type	Bas	
	Periodic netify		
	Penodic netfy interval	10	
	D	Parameter	Neaiy pe
	1	Deece Daicalnte ModalNam	Aktie
	02	Denice Deniceinto Descrioten	Actie
			AppV

4. 2. 7TR369

This page shows TR369 information, it is disabled by default. Here you can enable and set the TR369 parameters. For more information or customization, please contact us and share your requirement document.

Engineer mode	TR369	
Adbd	TR369 enable	
OTG	Controller endpoint ID	Controller endpoint ID
Band config	MTP protocol	MQTT
Account	MOTT broker host	MOTT broker host
TR069	MQTT broker port	1883
TR369	MOTT client username	MOTT client username
	MOTT client password	MOTT client password
XMPP confis	Controller MTP protocol	MOTT
Log downlean	Apply	
Home		

4.2.8XMPP config

This page shows XMPP information,it is disabled by default.Here you can enable and set the XMPP parameters.For more information or customization,please contact us and share your requirement document.

Engister made	XMPP config	
Adbd	XMPP enabe	
arG	XMPP allowed J10	HPP allowed III
Band cantg	xMPP lg lve	nfo
Account	XMPP uaan*	
TR06	QMP password	QPP pasverd
R367	XMPP domain	MPP domain
xMPP catn	XMPP reBGurCe	MPP resourc
og download	MPPS alg	ServerTable
eme	XMPP ern*ct mm	
	XMPP retry initial interva	60
	XMPP retry interval multipller	2000
	XMPP retry max interial	40
	XMPP keep alive interval	0
	XMPP use TLS	
	XMPP alias	PPalas

4. 2. 9Log

This page to help on downloading the logs from device.You might be requested to share the log with us during debugging or troubleshooting.

The screenshot shows a web interface for downloading logs. It features a text input field labeled "Log download" and a blue button labeled "Download" to its right.

4.3 Things that need to be noticed

- 1.In case of forgetting password,you can factory reset the device,it will be restored to superadmin/superadmin.
- 2.If you want to restore the band configuration to default,please reset the device.

5.FAQ

5.1 How do I restore factory settings?

- When the device is working,press the reset button for 3 seconds until the indicator starts to blink.About 60 seconds later the indicator stops blink that means device complete the reset.
- Login web UI,go to APP module>Configuration Backup in web page then click "Factory default setting".



5.2 What should I do if I forgot the Web page login username and password?--

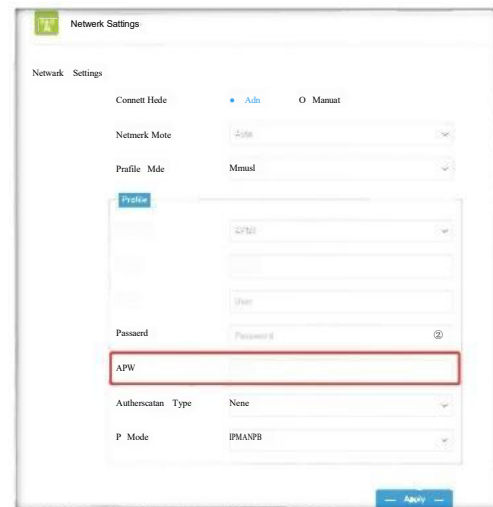
- Restore the device and use the default login username and password to try again.

5.3 What should I do if the device can not connect to mobile network? ---

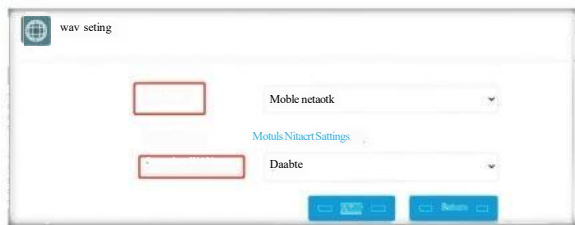
- Please check if the SIM card is inserted.
- Please check if your SIM card is out of service.
- Please login web UI then go to APP MODULE>Network settings page check connect mode,set to Auto in web page.



- Please login web UI then go to APP MODULE>Network settings page check the APN profile,if the profile mode set to Manual then check the APN is correct or not.If you don't know the APN then set profile mode to auto.

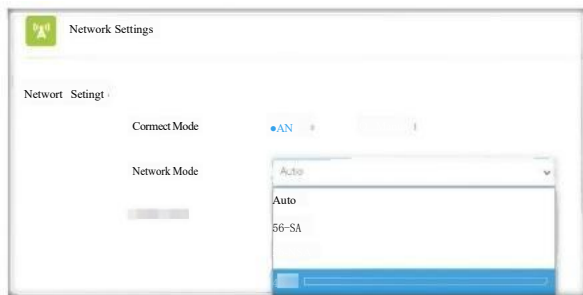


Please check if WAN type is set to mobile network in web page.



5.4 What should I do if the device can not connect to the 5G Network?

- Please check if the SIM card has got 5G service.
- Please check there is covered by 5G signal.
- Please check the network mode is not 4G only in web page

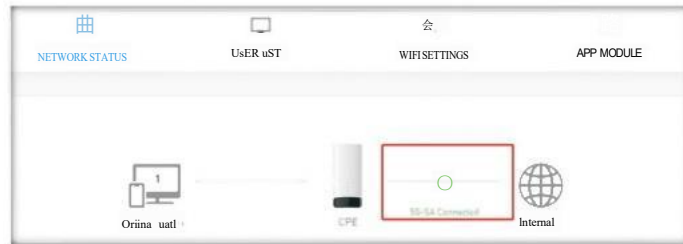


5.5 After firmware updated,the web UI is showing something wrong.Like title display interface code,logo or icon not updated in the new firmware UI. ——

- Please Clear browsing cache of the browser and restart then check it again.
- After clear browsing cache the issue is still there,please contact device supplier for help.

5.6 How can I know the device has connected to 5G Network or not?

- If 5G Led is green that means 5G network is connected.
- Login web UI,go to Network Status page,5G network is displayed.



5.7 How can I know the signal strength? ————

- Check signal led indicator,green is good,please refer to led indicator in 1 Hardware Introduction.
- Login web page then check the signal icon on the upper right corner of web UI.There have five levels,if have one white bar means signal is very poor,the more white bar the signal is more better



Note: If you want to check more signal RF infos,you need to login engineering page, please refer to 5.2.1 Engineering page.

5.8 What should I do if I can not access the device's Web UI? ——

- Ensure your computer is connected to the device through an Ethernet cable or Wi-Fi.
- Ensure your computer is set to obtain an IP address and DNS server address

automatically.

- Clear browsing cache of the browser and restart it,or try another browser.
- If the problem persists,restore the device to its factory settings.

5.9 What should I do after set work mode to IP passthrough/Bridge but can not access to web page. -----

- Try to re-plug the LAN cable which connect DUT and terminal device.
- Check the gateway which connected to the DUT's terminal,input that gateway in browser or input the URL:http://my.5g.device to open web page.

5.10 What should I do if forgot the Wi-Fi password or the login password ? ---

- Restore the device and use the default Wi-Fi password and login password to try again.

5.11 Why are the LED lights of CPE all off? ---

- Ensure DUT power on.
- Short press the WPS button.

5.12 How to activate the WPS function?

- First ensure the WPS feature enabled in web page.



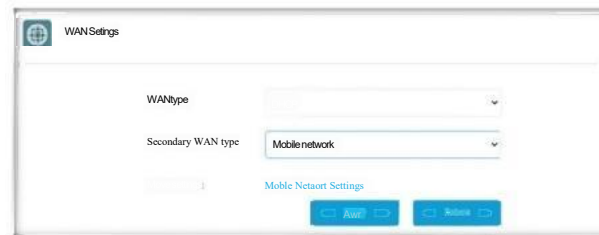
- Long press the WPS button for 3 second will activate the WPS function.
- Go to APP Module>WPS in web page to activate it.



- When the WPS is activated,the WiFi LED light will blink.

5.13 How can I use WAN port to connect internet?

- First connect another router or switch with a cable through the CPE's WAN port.
- Ensure WAN type or Secondary WAN type is set to DHCP or Static IP in web page.



- Ensure the another router or switch connected internet.

5.14 Why input http://192.168.8.1 in browser can't open the web page? -----

- Ensure your computer is connected to the CPE through an Ethernet cable or WiFi.
- Go to APP Module>DHCP&DNS,check the gateway which connected to the cpe's terminal and input that gateway in browser.

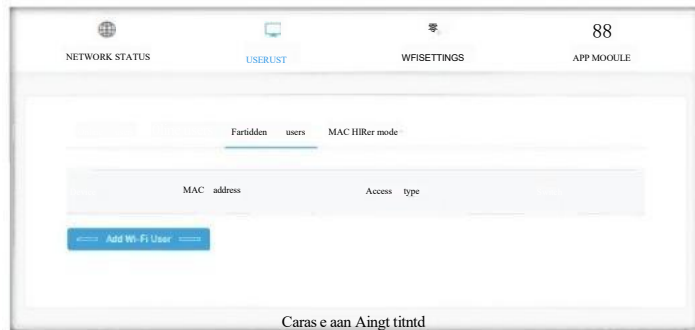
DHCP 的图片

- Input the URL:http://my.5g.device to open web page.

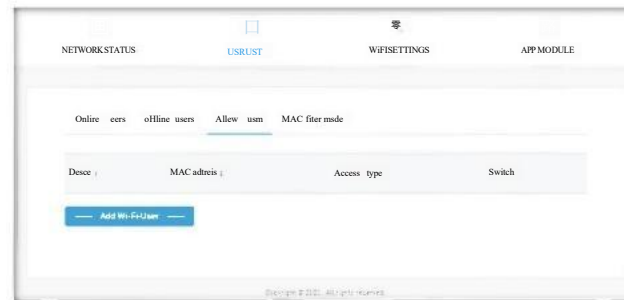


5.15 Why the terminal can't connect to the CPE by WiFi? -

- If black list is enabled,ensure the terminal haven't been added in forbidden users page.



- If white list is enabled,ensure the terminal have been added in allow users page.



- Ensure the current WiFi users is less than Max user as we set in WiFi Settings page.



- Ensure the current WiFi users is less than Max user as we set in web page.

5.16 Why can't find the 2.4GHz/5GHz WiFi SSID?

- Ensure the WiFi is enabled in WiFi setting page.



- Ensure the WiFi broadcast is enabled.

SSID broadcast 	
802.11 mode	2.4GHz b/g/n/ax1
Channel	Auto
Channel bandwidth	20/40MHz

- Change the WiFi channel to check.

802.11 mode	2.4GHz b/g/n/ax1
Channel	Auto
Channel bandwidth	FTU
AP isolation	
Wi-Fi SSID	9 10 11 12 13

802.11 mode	5 GHz a/n/ac/ax1
Channel	Auto
Channel bandwidth	Auto 149 153 157 161 165 36 40 44 48 52[DFS] 56 [DFS] 60 [DFS] 64[DFS]
AP isolation	

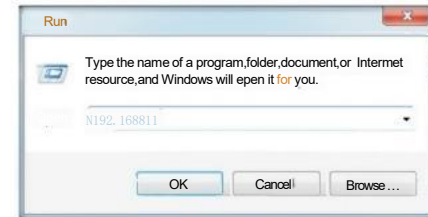
- Change 802.11 mode to check.

SSID broadcast 	
802.11 mode	2.4GHz b/g/n/ax1 24GHz bT 2.4GHz b/g/n 2.4GHz b/g/n ZAGHISGNER
Channel bandwidth	20/40MHz
802.11 mode	5GHz a/n/ac/ax1 5GHz T 5 GHz a/n) 5GHEa/N/EC
Channel bandwidth	20/40/80 MHz

- If you can find 2.4GHz WiFi SSID, but can't find 5GHz WiFi SSID, you can ask for your terminal device operator to check if your terminal device supports 5GHz WiFi.
- If the issue is still persistent, please contact us to check.

5.17 How can I access the USB flash disk or USB hard disk via USB port?-

- First ensure your computer is connected to the CPE through an Ethernet cable or Wi-Fi.
- Press Win+R to open the below dialog window and input M192.168.8.1 then click OK.



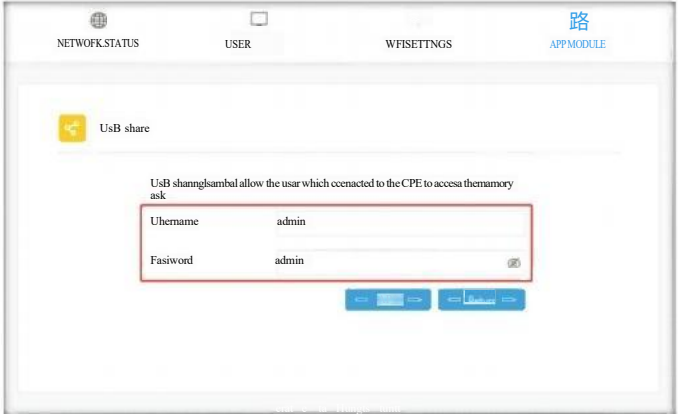
Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

M192.168.8.1

OK Cancel Browse...

·Input the username and password (default is admin/admin)to login,you can go to APP Moduel
>USB share to change username and password.After login then you can access the USB
disk



out	
in	

5.18 How can I use external antenna?

- You can buy Ts-9 port external antenna by yourself.
- Insert external antenna into Ts-9 port on the device.
- Put the external antenna at where you want,and go to APP Module >Position recommend to check the signal at current position.

6.Acronyms and terms

Term	Definition
CA	Carrier Aggregation
ACS	Auto-Configuration Server
LTE	Long evolution technology
WiFi	Wireless Fidelity
FOTA	Firmware Over-The-Air
DUT	Device Under Test