UCY-12200

Industrial Grade 4G Wireless Router

User Manual





- Industrial Grade 4G LTE Cat4 Modem Performance
- 12VDC Power Input and Wide Power Input Range 6V~40V
- Automatic System Recovery From System Failures
- Industrial Grade Interfaces with full ESD protection
- Support VPN Client Functions
- Ruggedized Metal Casing and DIN-Rail Mountable
- Support 4G LTE FDD/TDD, 3G UMTS/HSPA, 2G GSM Bands

Table of Contents

Product Description	3
Features	3
Product Views	4
Product Size and Dimension	5
Interfaces and Indicators	6
Mounting Options	7
LED Description	8
Phoenix Terminal Block Pin Definition	9
Quick Start	10
Mounting Accessories	10
Connect to the Internet	10
Login to the router	
WebUI Login	12
Setup Wizard	12
Function introduction	
Device Status – Dashboard	
Device Status – User Connection	16
Device Status – Internet Connection	/ ۱
Common Settings - Cellular Network	/ L
Cellular – Cellular Setting	
Cellular – SIM Setting	
Cellular – Band Lock	20
Cellular – Network Selection	20
Common Settings - Wired Network	20
LAN	21
WAN	21
Common Settings – Wireless	22
2.4GHz WIFI Setting	22
Repeater Setting	24
Common Settings – DHCP Server	24
DHCP Leases	24
Static Leases	25
DHCP Server – General Setup	25
DHCP Server – Advanced Settings	26
DHCP Server – IPv6 Settings	27
Advanced Settings	29
Advanced Settings – DTU	29
DTU Management	29
Serial Port	29
Advanced Settings – Firewall	30

General Settings	30
DMZ	30
Port Forwarding	31
Traffic Rules	31
Domain Filter	31
VPN Passthrough	32
Custom Rules	33
Advanced Settings – System	33
Configuration	33
Upgrade (Backup/Restore)	34
Router Password	35
Router Model	35
Schedule Reboot	36
Advanced Settings – IO Controller (IOCTL)	37
Advanced Settings – Remote Manager	37
TR069	37
Remote Network Manager (Cloud Platform)	38
Advanced Settings – VPN	38
Advanced Settings – Static Route	38
Advanced Settings – Network Diagnostics	39
Advanced Settings – SQM-QoS	39
Typical Application	41
Typical Application – APN/VPDN Dedicated Network Card	41
Typical Application – WIFI Relay / Repeater	42
Typical Application – Port Mapping	44
Typical Application – Serial Passthrough	45

Product Description

In a networked world where everything is connected, the demand for smart communication will become much and much stronger, especially in the field of smart industrial application and control. The UCY I2100 4G router is also a new generation 4G wireless VPN router launched by Shenzhen Jiawen Technology Co., Ltd. for indust rial level application. The device provides fast Internet access by virtue of the explosive growth of 4G cellula r data network and a variety of high-speed networked broadband access services. With its security, stabilit y and intelligence performance, thousands of devices can be easily networked, providing high-speed data transm ission and communication for the true meaning of Internet of Things.

The UCY I2100 also provides an Ethernet WAN/LAN multiplexing RJ45 network port, an Ethernet LAN RJ45 network port, a set of industrial Phoenix terminal blocks (serial function and power supply function), a drawer type SIM/UIM card slot, which can have the serial port, Ethernet port, and Wi-Fi connected at the same time for enabling pass-through transmission.

The UCY I2100 supports remote management via a cloud platform. The cloud platform has a simple graphical interface that can be quick to use. It can let you know the current status of the device anytime and anywhere. Such application is widely used in the M2M industry and the Internet of Things industry chain, such as smart grid, smart transportation, smart home, finance, Mobile POS terminals, supply chain automation, industrial automation, smart buildings, fire protection, public safety, environmental protection, meteorology, digital medical care, remote sensing surveys, military, area exploration, agriculture, forestry, water affairs, coal mines, petrochemicals and other industrial fields.

Features

Ruggedized Industrial Design

UCY I2100 is a performance industrial grade 4G wireless router based on a 32bit MIPS network processor with high speed cat4 4G LTE, 2 Ethernet port (1 WAN 1 LAN) and full speed 2.4GHz Wi-Fi that comply with IEEE 802.11n standard. The UCY I2100 is a product protected from a ruggedized metal casing to give an excellent isolation protection from interference in the surrounding environment. It is suitable to utilize in industrial control field applications. Besides it takes standard 12VDC power input, it has more capability and can have wider power input range from 9~36VDC as well as reverse-voltage protection.

Robustness and Stability

UCY I2100 has dual auto recovery mechanism from system failure. The hardware and software watchdog in the system ensure high system stability of the device in a long operation application. The device has a well-designed failsafe mechanism to take care of the WAN/Cellular connection, improving uplink time and preventing lost in communication. All the Ethernet ports have built-in 1.5KV magnetic isolation protection and the SIM holder has built in 15KV ESD protection, the power Input has reverse-voltage and surge protection as well as lightning protection (optional) in the antenna connectors.

Easy to Use

UCY I2100 provides standard RS232/RS485, Ethernet, and Wi-Fi interfaces, which can make connections to a serial device, wired network device, and wireless devices via Wi-Fi. The wired WAN port supports standard PPPoE dialup protocol which can be directly connected to an ADSL modem or equipment.
Furthermore, the UCY I2100 is a smart data terminal device that can enter the data transmission mode after power on. It also supports a powerful and comprehensive cloud management platform that make multidevice management easier and very convenient (optional feature). The UCY I2100 is easy to use, flexible, and support multiple working modes. It has convenient system configuration and system maintenance by local web access, remote access and cloud platform management.

Product Views





Product Size and Dimension



Interfaces and Indicators





- 1. 12V DC Power Input (Wide Voltage Input Range 6-36V)
- 2. Industrial Phoenix terminal (2.0mm Pitch)
- 3. RJ45 (LAN interface)
- 4. RJ45 (WAN interface)
- 5. Reset button (Press for 1 second to restart, long press for 5 seconds to restore factory settings)
- 6. WPS button
- 7. LED indicators
- 8. SIM card Slot (Drawer Type)
- 9. 4G antenna (Main)
- 10. 4G antenna (Auxiliary)
- 11. WIFI antenna

Mounting Options



LED Description

LED type	State	Description
DIA/D	Long bright	Normal power input
PWK	No Light	Abnormal power input
	Blinking Light	System startup
SYS	Long bright	System exception
	No Light	System exception
	Long bright	WIFI On
WIFI	No Light	WIFI Off
	Blinking Light	Data In/Out
	Long bright	Cable Connected
WAN	No Light	Cable Not Connected
	Blinking Light	Data In/Out
	Long bright	Cable Connected
LAN	No Light	Cable Not Connected
	Blinking Light	Data In/Out
	Long bright	VPN Connection Connected
VPN	No Light	VPN Connection Disconnected
NET	Long bright	Internet Connected
NET	No Light	Internet Network Disconnected
SINA	Long bright	SIM Card Detected
51101	No Light	SIM Card Not Detected/Not Found
	1 Bar	Signal Fair
Signal	2 Bar	Signal Good
	3 Bar	Signal Excellent

Phoenix Terminal Block Pin Definition

Pin	Definition	Description
RXD/B-	Serial Port	RS232 or RS485 (Depend on Model)
TXD/A+	Serial Port	RS232 or RS485 (Depend on Model)
GND	Data Ground	RS232 has common ground, RS485 does not need to be connected
DO	GPIO	Output Only
DI	GPIO	Input Only
GND	Power Ground	Power Ground
VCC+	Power Supply	DC 6~36V Input

Quick Start

Mounting Accessories

Put the WIFI antenna, 4G antenna, and SIM card into the designated position according to the interface, connect to the 6-36V DC power supply, observe the indicator light, after the sys light flashes, the router starts normally.



Note: Please do not remove or insert the SIM card with power on, otherwise the SIM card may be damaged.

Connect to the Internet

Correctly set your computer network configuration, now take win10 operating system as an example, use it to open "Settings\Network & Internet\Change Adapter Options" in Control Panel. Double-click the "Ethernet" connection icon.

← Settings	- 🗆 X	Network Connections —		×
	Status	(← →) ← ↑ ♥ ≪ All C _n > Netwon, > → ↓ Ø Search Network Connections		۹ ۹
Find a setting	Network status	Bluetooth Network Connection Supervised and State Action Supervised Action		
Network & Internet	$\Box - c = \Box$	X V Bluetooth Device (Personal Area . X Realtek PCIe GbE Family Controller Intel(R) W-Fi 6 AX201	160MHz	
Status	MCT5.8 Private network			
i∉ Wi-Fi	You're connected to the Internet			
🔛 Ethernet	in you have a infinited data part, you can make this network a metered connection or change other properties.			
🕾 Dial-up	Wi-Fi (MCT5.8) 32.97 GB From the last 30 days			
*8° VPN	Properties Data usage			
珍 Airplane mode	Show available networks			
θγθ Mobile hotspot	View the connection options around you.			
Proxy	Advanced network settings			
	Change adapter options View network adapters and change connection settings.			
	Network and Sharing Center For the networks you connect to, decide what you want to share.			
	Network troubleshooter Diagnose and fix network problems.	3 items	1	: 📰

In the pop-up dialog box, click "Properties", select "Internet Protocol Version 4 (TCP/IPv4)", and then click the "Properties" button; select "Obtain an IP address automatically". After clicking OK to save, the computer will automatically obtain the IP address assigned by the router.

Ethernet Properties ×	Internet Protocol Version 4 (TCP/IPv4) Properties X
Networking Sharing	General Alternate Configuration
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure This connection uses the following items: Client for Microsoft Networks Gos Packet Scheduler Gos Packet Scheduler Alternet Protocol Version 4 (TCP/IPv4) Alternet Protocol Version 4 (TCP/IPv4) Alternet Protocol Driver Alternet Protocol Version 6 (TCP/IPv6) Install Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Obtain an IP address automaticallyUge the following IP address:IP address:Subnet mask:Default gateway:Obtain DNS server address automaticallyObtain DNS server address automaticallyUse the following DNS server addresses:Preferred DNS server:Alternate DNS server:.Validate settings upon exit
OK Cancel	OK Cancel

X	网络连接详细信息		×
ļ	网络连接详细信息(D):		
	属性	值	^
	连接特定的 DNS 后缀	lan	
	描述	Realtek PCIe GbE Family Controller	
	物理地址	80-FA-5B-84-D4-FD	
	已启用 DHCP	是	
	IPv4 地址	192.168.99.245 Your compu	ter IP Address
	IPv4 子网掩码	255.255.255.0	
	获得租约的时间	2021年6月8日 16:08:15	
	租约过期的时间	2021年6月9日 4:08:15	
	IPv4 默认网关	192.168.99.1 The router IE	Addross
	IPv4 DHCP 服务器	192.168.99.1	Audress
	IPv4 DNS 服务器	192.168.99.1	
	IPv4 WINS 服务器		
	已启用 NetBIOS over Tc	是	
	IPv6 地址	fd06:e67f:a6d0::894	
	获得租约的时间	2021年6月4日 15:43:26	
	租约过期的时间	2157年7月15日 22:41:39	
		fd3b:2f78:2053::894	
	获得租约的时间	2021年6月4日 15:52:41	~
l	<	>	•
-			
		关闭(C)

Login to the router

WebUI Login

Open a web browser, key in http://192.168.99.1 in the address bar and press Enter;

- Default Username: admin
- Default Password: admin

It is recommended to use Google Chrome or Mozilla Firefox browser.

Authorization F	Required	
Please enter your	username and password.	
Username	admin	
[1	
Password		
	LOGIN	RESET

Note: For the first time, after the login page will see the setup wizard page. You can configure the router directly according to the setup wizard.

Setup Wizard

For the first time, after the login page will see the setup wizard page. You can configure the router directly according to the setup wizard.



Click Next to enter Quick Configuration - Mobile Network APN Settings, this page can set the APN.

LTE Router		🕕 LTE 📊 English
🛠 Setup-Wizard	Setup Wizard - Internet Access	
Dashboard		
Basic	4G LTE APN	
🖨 Advanced		
🕒 Logout		NEXT

Click Next to enter the Quick Configuration - Wired WAN Configuration interface.

LTE Router				ITE 📶 English
🛠 Setup-Wizard	Setup Wizard - WAN Setting			
▲ Dashboard				
Basic	Protocols	DHCP	~	
Advanced				
🗗 Logout				NEXT

Configure WAN - description of the connection method:

WAN Setting	Description	How to Set
DHCP	When connected. Automatically obtain the IP address and subnet mask assigned by the server	No configuration
РРРОЕ	The router is connected to the optical fiber/Cable, and the account and password provided by the operator are used to dial up the Internet	Setup access username and password
STATIC	Manually assign IP address and subnet mask	Setup IP address, Subnet Mask, Gateway, and DNS.

Click Next to enter the Quick Configuration - Local Address Configuration interface, where you can modify the local IP address and subnet mask.

LTE Router				LTE	English
🛠 Setup-Wizard	Setup Wizard - LAN Setting				
Dashboard					
💿 Basic	IPv4 IP Address	192.168.99.1			
Advanced	IPv4 Subnet Mask	255.255.255.0	~		
🕒 Logout					
					NEXT

Click Next to enter the quick configuration-WI-FI configuration interface.

LTE Router				III LTE 🍟	English
🛠 Setup-Wizard	Setup Wizard - Wi-Fi				
 Dashboard 					
Basic	SSID	LTE-2G-2605F0			
Advanced	Encryption	WPA-PSK/WPA2-PSK Mixed Mode			
🗗 Logout	Key		<i>a</i>		
					NEXT

WIFI Setting	Description	How to Set
WIFI Name	WIFI SSID Name	You can fill in any name you like
Encryption	WIFI Encryption Method	Click the drop-down box, there are 4 encryption methods for you to choose, of which None means no encryption, any client can directly connect to the WIFI
Password	Other than None option, a password is required for WIFI encryption methods	You can fill in a password of 8~64 digits

Click Next to enter the Quick Configuration-Complete interface

LTE Router	ITE III English	'n
 Setup-Wizard Dashboard Basic Advanced Logout 	Setup Wizard - Completion Congratulation! Setup wizard is about to complete, click 'Complete' to apply your changes	

Click Finish and Configure to complete and apply.

Function introduction

Device Status – Dashboard

Through the status page (Dashboard), you can see the router's version number, 4G information, Wi-Fi information, network connection and other basic information.

			III LTE 📊
	•		
Te	rminal	12100 2.4G	Internet Connected
	-		
System Informatio	on	Resource usage	
Hostname	LTE Router		
Model	12100	50	50
Firmware Version	V1.0.48	40 60	40 60 70 30 70
Local Time	Wed Jul 13 15:41:02 2022	20	80 20 80
Uptime	0h 35m 37s	10, 9%	⁹ 71% ⁹
Load Average	1.57, 1.13, 1.07		
WIFI Infomation		4G LTE Information	more
Option	2G	Operator Name	CHINA MOBILE
SSID	LTE-2G-2605F0	Band	LTE BAND 3
AuthMode	WPAPSKWPA2PSK	(E/U)arfcn	1300
MAC	A8:80:38:26:05:F0	IMEI	866340058337794
HT Mode	40MHz	IMSI	460020175031076
HT WOULE			

Device Status – User Connection

By clicking the computer icon on the upper left, you can enter the user management page, where you can view the user's connection status and manage the user's Internet access.

LTE Router			ITE 🖬 EI
🛠 Setup-Wizard			
Dashboard			
Basic			
Advanced	Terminal	12100	Internet
🗗 Logout	•	2.4 G	•
	Clients		Internet Control
	1 MAC:00:e0:4c:72:dc:fc	IP.192.168.99.254	

Device Status – Internet Connection

By clicking the globe icon on the upper right, you can enter the page to view the dial-up, relay, and network connections.

outer			III LTE 📊 E
zard			
d			
	· //		
l i i i i i i i i i i i i i i i i i i i	Terminal	12100	Internet
	0	2.4 G	Connected
	Network Status	none	
	Network Status Type Address(IPv4)	none 10.39.126.78	
	Network Status Type Address(IPv4) Netmask	none 10.39.126.78 255.0.0.0	
	Network Status Type Address(IPv4) Netmask Gateway	none 10.39.126.78 255.0.0 10.39.126.177	
	Network Status Type Address(IPv4) Netmask Gateway DNS(IPv4)	none 10.39.126.78 255.0.0 10.39.126.177 221.179.38.7	
	Network Status Type Address(IPv4) Netmask Gateway DNS(IPv4) DNS(IPv4)	none 10.39.126.78 255.0.0 10.39.126.177 221.179.38.7 0.0.0	
	Network StatusTypeAddress(IPv4)NetmaskGatewayDNS(IPv4)DNS(IPv4)Address(IPv6)	none 10.39.126.78 255.0.0 10.39.126.177 221.179.38.7 0.0.0 2409.8954:320c:534d:c:29ff.fea3.9b6d/64	
	Network StatusTypeAddress(IPv4)NetmaskGatewayDNS(IPv4)DNS(IPv4)Address(IPv6)DNS(IPv6)	none 10.39.126.78 255.0.0.0 10.39.126.177 221.179.38.7 0.0.0 2409.8954:320c:534d:c:29ff.fea3.9b6d/64 2409.8057:2000:8,2409.8057:2000:4:8	

Common Settings - Cellular Network

Cellular network contains information about mobile network and settings of mobile network.

Cellular – Cellular Information

★ Setup-Wizard Cellular Information Cellular Setting Band Lock Network Selection ▲ Dashboard Outledes before reference	
Cellular information We get the Cellular information on this page	
Cellular Information for SIM Manufacturer Quectel Band LTE BAND 41 Model EC200T Mode ITE	
Advanced Software Version Ec200TCNDAR02A15M16 MCC/MNC 460/00 IMEL 866340058337794 Cell ID D	
CP Logout SIM READY PhycellID 315 IMSI 460020175031076 (E)arfcn 40936	
ICCID 89860040191992527000 (L/T)AC 2871 Operator CHINA MOBILE (S)rxley 45	
RSRP -82 RSRQ -9	

Cellular – Cellular Setting

LTE Router		💷 LTE 🖬 English
🛠 Setup-Wizard	Cellular Information Cellular Setting Band Lock Network Selection	
▲ Dashboard		
Basic	Cellular Setting Set the params for the Cellular Internet.	
Cellular		
Wired	General Settings SIM Settings	
···· WI-FI	Dail Type General 🗸	
DHCP Server		
Advanced		
B Logout	MTU 1500	
	Check Alive Host	
	Note.It is differently from Cable network and WIFI repeater network.	
		SAVE & APPLY

Configure mobile network - basic settings parameter description:

Cellular Setting	Description	How to Set
Dial Type	You can choose different dial-up methods to access the Internet	Click the drop-down box to select

SIM Select	Dual-card routers can choose which card to use for dial-up Internet access	I2100 Does not support Dual SIM Card, so only option is Auto
MTU	The maximum transmission unit is used to notify the other party of the maximum size of the data service unit that can be accepted.	
Check Alive Host	Fill in the destination address of the Ping packet to keep the cellular network online	Fill in the IP that can be pinged

Cellular – SIM Setting

LTE Router		🕕 LTE 🖬 English
 Setup-Wizard Dashboard Basic 	Cellular Information Cellular Setting Band Lock Network Selection Cellular Setting Set the params for the Cellular Internet.	
Wired UI-FI DHCP Server Advanced C-Logout	General Settings SIM Settings APN	
		SAVE & APPLY

Configure APN settings for the SIM card and the Cellular Network.

Cellular Setting	Description	How to Set
APN	Set APN (Access Point Name) of the gateway operator.	Fill in APN of the SIM card's service name.
PIN	Fill in SIM pin if any. Leave blank for no SIM pin.	Fill in SIM Pin if required
Authentication Type	Authentication method for the APN Configuration. None, PAP, CHAP. Default is None.	Click the drop-down box to select

Cellular – Band Lock

In this section, you can lock the cellular network module frequency band. After locking the frequency band, restart the router is required. The router will automatically dial and connect to the network of the selected frequency band.

LTE Router		💷 LTE 🖬 English
 ☆ Setup-Wizard n Dashboard ③ Basic 	Cellular Information Cellular Setting Band Lock Network Selection Lock The Band	
Cellular Wired WI-FI	Lock ALL BANDS ~	
DHCP Server Advanced Logout	Current Lock (E)arfon 38400 Current Lock PCI 362	
		SUBMIT

Cellular – Network Selection

In this section, you can select the dialing method, such as Auto, GSM, WCDMA, LTE, etc.

LTE Router		LTE	Tul	English
🛠 Setup-Wizard	Cellular Information Cellular Settion Band Lock Network Selection			
 Dashboard Basic 	Config The Selection of NetWork			
Cellular	Network Selection Automatic			
···· WI-FI				SUBMIT
Advanced				
🗗 Logout				

Common Settings - Wired Network

The wired network can set the WAN port and LAN port of the router.

LAN

LTE Router				💷 LTE 🖬 English
 Setup-Wizard Dashboard Basic 	LAN WAN LAN Setting Configure the LAN Connection			
···· Cellular ···· Wired	IPv4 Address	192.168.99.1		
DHCP Server Advanced	IPv4 Netmask	255.255.255.0	~	SAVE & ADDI V
🗗 Logout				SAVE & APPLY

WAN

LTE Router				🕕 LTE 📊 English
 ✓ Setup-Wizard ▲ Dashboard ④ Basic — Cellular 	LAN WAN WAN Setting Configure the WAN Connection			
···· Wired	Protocols	DHCP 🗸		
····· WI-FI	MTU			
Advanced	Check Alive Host			
E+ Logout		Note: It is differently from Cellular network and V	VIFI repeater network.	
				SAVE & APPLY

Configure wired WAN network - basic settings parameter description:

WAN Setting	Description	How to Set
Protocols	You can choose different dial-up methods to access the Internet	Click the drop-down box to select
MTU	The maximum transmission unit is used to notify the other party of the maximum size of the data service unit that can be accepted.	Leave Blank by Default

Check Alive Host	Fill in the destination address of the Ping packet to keep the cellular network online	Fill in the IP that can be pinged

Configure wired WAN network - description of the connection methods (Protocols):

WAN Protocol Option	Description	How to Set
DHCP	When connected. Automatically obtain the IP address and subnet mask assigned by the server	No configuration
РРРОЕ	The router is connected to the optical fiber/Cable, and the account and password provided by the operator are used to dial up the Internet	Setup access username and password
STATIC	Manually assign IP address and subnet mask	Setup IP address, Subnet Mask, Gateway, and DNS.

Common Settings – Wireless

Wireless network can set WIFI name, encryption, channel and other common parameters. Also, WIFI can be setup as a WIFI relay for the router.

2.4GHz WIFI Setting

LTE Router					LTE	Ţ.	English
🛠 Setup-Wizard							
▲ Dashboard	2.4G Repeater						
Basic	Wi-Fi Setting Configure the params of 2.4G wireles	s					
···· Cellular ···· Wired	SSID	LTE-2G-2605F0					
WI-FI	Hide ESSID	Disable	~				
 Advanced 	AuthMode	WPA-PSK/WPA2-PSK Mixed Mode	~				
🕒 Logout	Key		8				
	HT Mode	20/40 MHZ	~				
	Country Region	0: Ch1~11	~				
	Channel	Auto (Channel 0)	~				
							_
							SUBMIT

Configure Wireless network (WIFI) - basic settings parameter description:

WIFI Setting	Description	How to Set
SSID	WIFI Name, WIFI SSID	You can fill in any name you like
Hide Name	Make SSID invisible to users	Click the drop-down box to select Disable or Enable. Disable by Default
AuthMode	WIFI Encryption Method	Click the drop-down box, there are 4 encryption methods for you to choose, of which None means no encryption, any client can directly connect to the WIFI
Кеу	Other than None encryption, a password is required to connect to this WIFI	You can fill in a password of 8~64 digits
HT Mode	The amount of data that can be transferred at a fixed time	Click the drop-down box to select
Country Region	Compliant with a country's Wi-Fi regulations	Click the drop-down box to select

Channel	Data signal transmission channel from 1 to 13	Click the drop-down box to select
---------	---	-----------------------------------

Repeater Setting

Wireless Setting has the Repeater setting option to setup the device to work as WIFI relay that extend WIFI Radio and WIFI coverage.

LTE Router			🕕 lte 📊	English
 ★ Setup-Wizard ▲ Dashboard ▲ Basic → Cellular 	2.46 Repeater WIFI WISP Repeater We Can configure the wifi wisp for the router			
Wired WI-FI	Repeater Status	Disconnected		
DHCP Server Advanced	SSID	Enable Disable		
다 Logout	BSSID	0		
	Encryption Mode	Disable ~		
	Check Alive Host		WIFI-SCAN SAVE	& APPLY

Common Settings – DHCP Server

In the DHCP server configuration, you can do the IP address and MAC address binding. You can also set the DHCP allocation method. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

DHCP Leases

LTE Router				🕕 lte 🖬 I	English
🛠 Setup-Wizard	DHCP Leases Static Leases E	HCP Server			
Dashboard Basic	DHCP Leases You can get the active dhcp leases both ip	vv4 and ipv6			
Cellular Wired	Active DHCP Leases	IPv4-Address	MAC-Address	Leasetime remaining	
DHCP Server		The	re are no active leases.		
E Logout	Active DHCPv6 Leases				
	Hostname	IPv6-Address	DUID re are no active leases.	Leasetime remaining	

Static Leases

LTE Router				💷 LTE 📊 English
 Setup-Wizard Dashboard Basic Cellular Wired Wi-FI DHCP Server 	DHCP Leases Static Leases DHCP Static Leases Setting You can add or del the dhcp static leases Static Leases Static leases are used to assign fixed corresponding lease are served. Use the Add Button to add a new lease the requesting host.	DHCP Server s in this page IP addresses and symbolic hostnames to DH e entry. The MAC-Address indentifies the hos	CP clients. They are also required for non-dyn t, the IPv4-Address specifies to the fixed addre	amic interface configurations where only hosts with a ess to use and the Hostname is assigned as symbolic name to
Advanced E- Logout	Hostname	MAC-Address This	IPv4-Address section contains no values yet	I <u>Pv6</u> -Suffix (hex)
				SAVE & APPLY

DHCP Server – General Setup

LTE Router		I LTE	Tal	English
★ Setup-Wizard	DHCP Leases Static Leases DHCP Server			
Basic Cellular	DHCP Server Setting You can set the dhcp server on this device DHCP Server			
Wired WI-FI DHCP Server	General Setup Advanced Settings IPv6 Settings			
Advanced	© Disable <u>DHCP</u> for this interface.			
🕒 Logout	Start 100 © Lowest leased address as offset from the network address.			
	Limit 150 Maximum number of leased addresses.			
	Leasetime 12h © Expiry time of leased addresses, minimum is 2 minutes (2 _b).			
			SAVE	& APPLY

DHCP Server Setting Description		How to Set	
Ignore Interface	Enable or Disable DHCP for this Interface	Enable or Disable the Tick box option	
Start	Lowest leased address as offset from the network address	Set according to the specific application	
Limit	Maximum number of leased addresses	Set according to the specific application	
Leasetime	Expiry time of leased addresses, minimum is 2 minutes	Set according to the specific application	

DHCP Server – Advanced Settings

LTE Router		LTE 📊	English
🛠 Setup-Wizard	DHCP Leases Static Leases DHCP Server		
 Dashboard Basic 	DHCP Server Setting		
···· Cellular ···- Wired	DHCP Server		
WI-FI	General Setup Advanced Settings IPv6 Settings		
Advanced	Dynamic DHCP. 🗹 Opnamically allocate DHCP addresses for clients. If disabled, only clients having static leases will be served.		
🗗 Logout	Force DHCP on this network even if another server is detected.		
	IPv4-Netmask Override the netmask sent to clients. Normally it is calculated from the subnet that is served.		
	DHCP-Options		
		SAV	& APPLY
		SAVI	Q AFFLI

Advanced Setting	Description	How to Set
Dynamic DHCP	Dynamically allocate DHCP addresses for clients. If disabled, only clients having static leases will be served.	Enable or Disable the Tick box option
Force	Force DHCP on this network event if another server is detected.	Enable or Disable the Tick box option
IPv4 Netmask	Override the netmask sent to clients. Normally it is calculated from the subnet that is served.	Set according to the specific application
DHCP Options	Define additional DHCP options, For example "6, 192.168.2.1, 192.168.2.2" which advertises different DNS servers to clients	Set according to the specific application

DHCP Server – IPv6 Settings

LTE Router				III LTE	ul	English
 Setup-Wizard Dashboard Basic Cellular Wired WirE 	DHCP Leases Static Leases DHCP Server Setting You can set the dhcp server on this de DHCP Server General Setup Advanced	DHCP Server				
DHCP Server Advanced G- Logout	Router Advertisement-Service DHCPv6-Service	server mode				
	DHCPv6-Mode	stateless + stateful •	•			
	Always announce default [router	 Announce as default router even if no public p 	refix is available.			
	Announced DNS servers		2			
					SAVE	& APPLY

IPv6 Setting	Description	How to Set
Router Advertisement Service	Default Server Mode	Click the drop-down box to select
DHCPv6 Service	Default Server Mode	Click the drop-down box to select
NDP-Proxy	Default Disabled	Click the drop-down box to select
DHCPv6 Mode	Default is Stateless + Stateful	Click the drop-down box to select
Always Announce Default Router	Announce as default router even if no public prefix is available	Enable or Disable the Tick box option
Announced DNS Servers		If any
Announced DNS Domains		If any

Advanced Settings

In the advanced settings, you can perform various advanced configurations to the router, such as firewall, port mapping, language setting, time zone, TR069, firmware upgrade, etc.

Advanced Settings – DTU

DTU Management

LTE Router					🕕 LTE 📊 Englisi
★ Setup-Wizard	DTU Serial Port				
DashboardBasic	DTU Management				
Advanced	Servers List Name	Server IP	Server Port	Status	Actions
	U2	10.10.10.100	15000	0	CONNECT STOP EDIT REMOVE
	ADD				
···· VPN					
🕒 Logout					

Serial Port

LTE Router				III LTE 📊	English
🛠 Setup-Wizard	DTU Serial Port				
Dashboard					
Basic	This is the page of setting the dtu set	ail port.			
🖨 Advanced	Serial Port Setting				
DTU					
Firewall	Baud rate	9600	~		
· System	Time Interval(ms)	100			
IOCTL		Configuring a serial port to accept data timeo	but.		
···· Remote Manager ···· VPN	Data bits	8	•		
Static Routes	Parity	None	v		
Diagnostics	Stop bits	1	~		
SQM QoS					
⊖ Logout				SAV	E & APPLY

Advanced Settings – Firewall

You can set the firewall rules of the router. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

General Settings

LTE Router									TE 📶	English
★ Setup-Wizard▲ Dashboard	General Settings DMZ Po	rt Forwards Traffic Rules	Domain Filter	VPN PASS T	HROUGH Cus	tom Rules				
Basic	Firewall - Zone Settings The firewall creates zones over your r	network interfaces to control netv	work traffic flow.							
Advanced	General Settings									
···· Firewall	Enable SYN-flood protection	2								
···· System ···· IOCTL	Drop invalid packets(
Remote Manager	Input	accept	~							
VPN	Output	accept	~							
Static Routes	Forward	reject	~							
SQM QoS										
🗗 Logout	Zones									
	Zor	ne ⇒ Forwardings		Input	Output	Forward	Masquerading	MSS clamping		
	lan: la	n: ∰ dr dan		accept 🗸	accept 🗸	accept 🗸			EDIT	DELETE
	wan: 👷 🛛 wan6: 🛃	wwan: 💭 wisp: 💭	⇒ REJECT	reject 🗸	accept 🗸	reject 🗸			EDIT	DELETE
	ADD									
									SAVE	E & APPLY

DMZ

LTE Router		🕕 LTE 🖬 English
🛠 Setup-Wizard	General Settings DMZ Port Forwards Traffic Rules Domain Filter VPN PASS THROUGH Custom Rules	
Dashboard		
Basic	DMZ Setting Configure The DMZ	
Advanced		
DTU	Enable 🗋	
···· Firewall	DMZ Host IP Address	
· System		
		SAVE & APPLY

Port Forwarding

LTE Router				🕕 LTE 🖬 Englis
☆ Setup-Wizard▲ Dashboard④ Basic	General Settings DMZ Firewall - Port Forwards Port forwarding allows remote con	Port Forwards Traffic Rules Domain Filter	VPN PASS THROUGH Custom Rules	
Advanced	Port Forwards	Match	Forward to	Enable Sort
···· System		This section	on contains no values yet	
	Name Protocol	New port forward:	Internal IP address Internal port	
Static Routes Diagnostics SOM OoS	New po TCP+UDP V	wan v lan v	ADD	
🕒 Logout				SAVE & APPLY

Traffic Rules

LTE Router						TE 📊	Engli
🛠 Setup-Wizard	General Settings DMZ	Port Forwards Traffic Rules Domain Filter VP	N PASS THROUGH Custom Rules				
 Dashboard 							
Basic	Firewall - Traffic Rules Traffic rules define policies for p	ackets traveling between different zones, for example to reject	traffic between certain hosts or to open W	AN ports on the ro	outer.		
Advanced	Traffic Rules						
	Name	Manh	Antion	Fachle	Cost		
···· Firewall	Name	матся	Action	Enable	SOR		
	Allow-DHCP-Renew	IPv4-UDP From <i>any host</i> in <i>wan</i>	Accept input		* ×	EDIT	ELETE
		To any router IP at port 68 on this device					
	Allow-Ping	IPv4-ICMP with type <i>echo-request</i> From <i>any host</i> in <i>wan</i> To <i>any router IP</i> on <i>this device</i>	Accept input			EDIT	ELETE
	Allow-IGMP	IPv4-IGMP From <i>any host</i> in <i>wan</i> To <i>any router IP</i> on <i>this device</i>	Accept input		^ ~	EDIT	ELETE
⊖ Logout	Allow-DHCPv6	IPv6-UDP From IP range <i>fe80_/10</i> in <i>wan</i> with source port <i>547</i> To IP range <i>fe80_/10</i> at port <i>546</i> on <i>this device</i>	Accept input	<		EDIT	ELETE
	Allow-MLD	IPv6-ICMP with types <i>130/0, 131/0, 132/0, 143/0</i> From IP range <i>fe80:/10</i> in <i>wan</i> To <i>any router IP</i> on <i>this device</i>	Accept input	<	^ `	EDIT	ELETE

Domain Filter

LTE Router		🕕 LTE 📶 English
 ☆ Setup-Wizard n Dashboard n Basic 	General Settings DMZ Port Forwards Traffic Rules Domain Filter VPN PASS THROU Domain Filter Setting Configure the Domain Filter	JGH Custom Rules
Advanced UTU Firewall System UCTL	Enable _ The Filter Type BlackList ~ Blocked Domain List www.baldu.com	
Remote Manager VPN Static Routes Diagnostics SQM QoS Logout		SAVE & APPLY

Domain Filter Setting	Description	How to Set
Enable	Disable or Enable the Domain Filter Function	Enable or Disable the Tick box option
The Filter Type	Blacklist: No access to the Domain in the List Whitelist: Only can access to the Domain in the List	Pick the option in the dropdown lost
Blocked Domain List	Fill in the address you need to prohibit or only access	Set according to the specific application

VPN Passthrough

LTE Router		LTE	al E	nglish
☆ Setup-Wizard▲ Dashboard④ Basic	General Settings DMZ Port Forwards Traffic Rules Domain Filter VPN PASS THROUGH Custom Rules VPN PASS THROUGH Configure The VPN Passthrough			
Advanced	PPTP 🗹 © Allow PPTP transparent transmission in VPN connection			
System IOCTL Remote Manager VPN	L2TP Allow L2TP transparent transmission in VPN connection IPSEC			
Static Routes Diagnostics SQM QoS ₽ Logout	Allow IPSEC transparent transmission in VPN connection	I	SAVE & AF	PPLY

Custom Rules



Advanced Settings – System

You can configure the router's time zone, import and export configuration, firmware upgrade, change system language, etc.

Configuration

After modification, click Apply to configure the application.

LTE Router		E 📶 En	ıglish
 Setup-Wizard Dashboard Basic Advanced 	Configuration Backup/Restore Router Password Router Model Scheduled Reboot System Configure the timezone of your device. System Properties		
DTU Firewall System IOCTL	Local Time Wed Jul 13 16:04:02 2022 SYNC WITH BROWSER Timezone Asia/Shanghai		
remote Manager VPN Static Routes Diagnostics SQM QoS	Time Synchronization Enable NTP Client Otime.windows.com		
🕒 Logout		SAVE & API	PLY

Configuration Setting	Description	How to Set
-----------------------	-------------	------------

Time Zone	Time zones can be modified. Such as: Asia/Shanghai (Asia/Shanghai)	Pull down menu and select
Sync With Browser	Synchronize the time of the browser with the selected time zone	Click on Save and Apply to configure the application

Upgrade (Backup/Restore)

LTE Router	ITE 📶 English
★ Setup-Wizard▲ Dashboard	Configuration Backup/Restore Router Password Router Model Scheduled Reboot
Basic	Backup/Restore Backup the system configs and restore it and update the firemware
Advanced DTU Firewall	Backup / Restore Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).
···· System	Reset to defaults: PERFORM RESET
Remote Manager VPN Static Routes	To restore configuration files, you can upload a previously generated backup archive here. Restore backup: 选择文件 UPLOAD ARCHIVE
Diagnostics SQM QoS	Flash new firmware image Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (please upload the file provided by the manufacturer).
🗗 Logout	Keep settings: 🜌
	Image: 选择文件 未选择任何文件 FLASH IMAGE

Setting	Description	How to Set
Download Backup	Download a tarball of the current configuration	Auto download the backup after clicking GENERATE ARCHIVE
Reset to Defaults	Reset to Factory Configuration	Restore Factory Configuration after clicking PERFORM RESET
Restore Backup	Upload a tarball of the saved configuration and to configure the router parameters to be the same as the saved configuration.	Select a saved configuration file and click UPLOAD ARCHIVE
Keep Settings	This option makes the firmware upgrade will not reset the router parameters, but will keep it instead	Tick or untick
Image (Flash Image)	Upgrade the router firmware	Select the firmware upgrade provided by the manufacturer

Router Password

LTE Router		🕕 LTE 📶 English
🛠 Setup-Wizard	Configuration Backup/Restore Router Password Router Model Scheduled Reboot	
Dashboard		
	Router Password	
(3) Basic	Changes the administrator password for accessing the device	
Advanced		
DTU	Password	
· Firewall		
System	Contirmation	
IOCTL		
Remote Manager		SAVE & APPLY
VPN		
Static Routes		
Diagnostics		
SQM QoS		
🕒 Logout		

The router password setting description:

Setting	Description	How to Set
Password	After the modification is completed, the password of the current login account is changed to this password	Fill in the same password in both fields and then apply to make the password change.
Confirmation	Repeat the new password to ensure password you enter correctly	Fill in the same password in both fields and then apply to make the password change.

Router Model

You can view the model number of the router

LTE Router		II II	E 📶	English
 ☆ Setup-Wizard ▲ Dashboard ▲ Basic 	Configuration Backup/Restore Router Password Router Model Scheduled Reboot Router Password Changes the the device model			
Advanced DTU Firewall	Model 12100			
System IOCTL Remote Manager				SUBMIT
⊶ sqM qos 🗗 Logout				

Schedule Reboot

LTE Router		🕕 LTE 🖬 English
🛠 Setup-Wizard	Configuration Backun/Restore Bouter Password Bouter Model Scheduled Reboot	
Dashboard		
Basic	Scheduled Reboot Scheduled reboot Setting	
Advanced		
DTU	Enable 🗌	
· Firewall	Week Day Wednesday	
System	· · · · · · · · · · · · · · · · · · ·	
····· IOCTL	Hour 5	
· Remote Manager	Minute 0	
VPN		
· Static Routes		
Diagnostics		REBOOT SAVE & APPLY
SQM QoS		
🕒 Logout		

Setting	Description	How to Set
Enable	Check and apply to complete the configuration	Tick or untick
Week Day	Choose the day of the week or restart every day	Pull down menu and select
Hour	Restart at what time	Set according to the specific application
Minute	Restart at what minute of the day	Set according to the specific application

Advanced Settings – IO Controller (IOCTL)

You can set the IO controller of the router

LTE Router					🕕 LTE 🖬 English
 ☆ Setup-Wizard n Dashboard ③ Basic 	Overview IO Controller Overview You can get the all status o	/ if 10 in the device			
Advanced DTU Firewall System IncTL	Controller 1 2	Description DO DI	Status	Actions ENABLE EDIT ENABLE EDIT	
Remote Manager VPN Static Routes Diagnostics SQM QoS Logout					

Advanced Settings – Remote Manager

TR069 and cloud platform configuration can be set.

TR069

LTE Router		💷 LTE 🖬 English
 ✓ Setup-Wizard ▲ Dashboard ▲ Basic ▲ Adivanced 	TR069 Remote Network Manager TR069 Setting Configuration the TR069	
Advanced DTU Firewall System OCTL Remote Manager VPN Static Routes Diagnostics SOM OoS SOM OoS Some Some Some Some Some Some Some S	Enbale ACS URL http://106.13.9.216.7547 ACS Username easycwmp ACS Password easycwmp ACS Periodic Enable ACS Periodic Interval 3600	
₽ Logout	CPE Username easycwmp CPE Password easycwmp	SAVE & APPLY

Remote Network Manager (Cloud Platform)

LTE Router			🕕 lte 👔	English
 ✓ Setup-Wizard ▲ Dashboard ▲ Basic 	TR069 Remote Network Man	ager		
Advanced	Enable	2		
Firewall System IOCTL	Port	• The range is 1000 to 65535		
Remote Manager VPN Static Routes	Report Interval(Mins)	• The range is 1 to 600		
Diagnostics SQM QoS	Reconnect Interval(secs)	• The range is 1 to 600		
🕒 Logout			S	VE & APPLY

Advanced Settings – VPN

You can setup the PPTP and L2TP client for a VPN connection.

LTE Router						🕕 LTE 🖬 English
 ☆ Setup-Wizard n Dashboard i Basic 	VPN Overview VPN Management Overview of the vpns b	oth pptp and l2tp client				
Advanced DTU Firewall	VPN List Name	Protocol	Server IP	Username	Status	Actions
	ADD					
VPN Static Routes Diagonostics						
saM aos						

Advanced Settings – Static Route

Set up static routing rules in the router. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

LTE Router						LTE 📶 Englis
☆ Setup-Wizard▲ Dashboard	Routes Routes specify over which int Static IPv4 Routes	erface and gateway a certain host or netw	ork can be reached.			
Basic Advanced DTU	Interface	Target Host- <u>IP</u> or Network	IPv4-Netmask if target is a network	IPv4-Gateway	Metric	MTU
	ADD		This section contains no values ye	t		
Remote Manager VPN Static Routes	Static IPv6 Routes	Taros	đ	IPv6-Gateway	Metric	MTU
Diagnostics SQM QoS ট→ Logout		I <u>Pv6</u> -Address or N	etwork (CIDR) This section contains no values ye	t		
	ADD					
						SAVE & APPLY

Advanced Settings – Network Diagnostics

You can use the functions to check the network status of the router

LTE Router		💷 LTE 📶 English
🛠 Setup-Wizard	Diagnostics	
Dashboard	Network Utilities	
Basic		
Advanced		
DTU	IPv4 V PING IPv4 V TRACEROUTE NSLOOKUP	
· Firewall		
···· System		
···· IOCTL		
Remote Manager		
VPN		
Static Routes		
····· Diagnostics		
SQM QoS		
🗗 Logout		

Advanced Settings – SQM-QoS

Setting QoS can optimize the network quality of the router. Since the settings on this page may affect the Internet access, it is recommended that to get someone with computer network knowledge to do the setup.

LTE Router		ITE 🖬 English
🛠 Setup-Wizard	Smart Queue Management	
▲ Dashboard	Intelligent network optimization	
Basic	Eastella D	
Advanced		
DTU	Download speed (Mbit/s)	
Firewall	Upload speed (Mbit/s)	
System		
····· IOCTL		
Remote Manager		SAVE & AFFLT
VPN		
Static Routes		
Diagnostics		
SQM QoS		
🕒 Logout		

Typical Application

Typical Application – APN/VPDN Dedicated Network Card

When the user's card uses a private network card with APN function, the router can be modified according to the following configuration, so that the router can connect to the private network normally.

1. Find the Cellular Network in the basic settings, click "Cellular Setting" tab, fill in the APN or VPDN parameters provided by the operator in the corresponding position, and click "Submit".

LTE Router			🕕 LTE 📶 English
★ Setup-Wizard A Dashboard	Cellular Information Cellula	r Setting Band Lock Network Selection	
Basic	Cellular Setting Set the params for the Cellular Inte	met.	
···· Wired	General Settings SIM S	lettings	
DHCP Server	APN PIN	3GNET@VPDN.GD	
E Logout	Authentication Type	PAP ~	
	PAP/CHAP username PAP/CHAP password	3GNET	
)**	
			SAVE & APPLY

Note: The link detection address must be filled with a server address that can be pinged, otherwise the router cannot judge whether the network dialing is normal or not, which will cause the network to be unstable.

2. Check the network by ping to a server address via the network diagnosis page to determine whether the connection is normal and working.

LTE Router		💷 LTE 🖬 English
 Setup-Wizard Dashboard Basic Advanced 	Diagnostics Network Utilities 114.114.114 IPv4 v IPv4 v IPv4 v INSLOOKUP	
Firewall System IOCTL Remote Manager VPN Static Routes Diagnostics SQM QoS	Collecting data PING 114.114.114.114 (114.114.114.): 56 data bytes 64 bytes from 114.114.114.114; seq=0 ttl=91 time=94.450 ms 64 bytes from 114.114.114.114; seq=1 ttl=61 time=92.608 ms 64 bytes from 114.114.114.114; seq=3 ttl=64 time=94.607 ms 64 bytes from 114.114.114.114; seq=3 ttl=61 time=60.523 ms 114.114.114.114 ping statistics 5 packets transmitted, 5 packets received, 0% packet loss	
🕀 Logout	round-trip min/avg/max = 48.607/60.128/84.450 ms	

Typical Application – WIFI Relay / Repeater

The wireless repeater function is to use the router's WIFI as the wireless client terminal to connect to another existing WIFI hotspot. This solution can use the network of the other router or hotspot to reduce the use of cellular traffic. The specific configuration is as follows:

1. Open the configuration page of "Common Settings" --> "Wireless". Click "Relay Settings", click "Connect" to search for surrounding networks.

LTE Router			🖽 LTE 🖬 English
 Setup-Wizard Dashboard Basic 	2.46 Repeater WIFI WISP Repeater We Can configure the wifi wisp for the router		
Cellular Wired WI-FI	Repeater Status Locked BSSID	Disconnected	
E DHCP Server	SSID		
	Channel	0	
	Encryption Mode Check Alive Host	Disable ~	
			WIFI-SCAN SAVE & APPLY

2. Select the hotspot you want to connect to, and click "Connect". The router will automatically fill in the parameters of the hotspot into the column field according. If the hotspot has a password, you need to manually fill in the password and click "Apply".

LTE Router						LTE	English
 ☆ Setup-Wizard ▲ Dashboard ֎ Basic : 	2.40 Repeater WIFI WISP Repeater We Can configure the wifi wisp for the router						
Cellular Wired	无线名称	信道 BSSID	加密方式	信号强度	动作	· ·	
WI-FI		1 	WPAPSKWPA2PSK/TKIPAES WPAPSKWPA2PSK/TKIPAES	31	Choose This Choose This		
Advanced		1	WPAPSKWPA2PSK/TKIPAES	76	Choose This		
🕒 Logout		1	WPAPSKWPA2PSK/TKIPAES	34	Choose This		
		1	WPA2PSK/AES	29	Choose This Choose This	-	
		2	WPAPSKWPA2PSK/AES	50	Choose This		
		5	WPAPSKWPA2PSK/AES	99	Choose This		
		5	WPAPSKWPA2PSK/AES	99	Choose This		
		6	WPAPSKWPA2PSK/THIPAES	39	Choose This Choose This	WIFI-SCAN	SAVE & APPLY
		6	WPAPSKWPA2PSK/TKIPAES	100	Choose This	1-	
		6	WPA2PSK/AES	68	Choose This		
		6	WPA2PSK/AES	65	Choose This		

LTE Router			🕕 lte 🖬 ei	nglish
 Setup-Wizard Dashboard Basic Cellular 	2.4G Repeater WIFI WISP Repeater We Can configure the wifi wisp for the router			
Wired WI-FI	Repeater Status			
DHCP Server Advanced	SSID	Enable Disable MCT2.4		
🗗 Logout	BSSID	A8:80:38:31:0F:D6		
	Encryption Mode	WPAPSKWPA2PSK V		
	Encryption Algorithm			
	Password Check Alive Host			
			WIFI-SCAN SAVE & AF	PPLY

3. Click the icon • on the status page. When the router has obtained the IP address from the uplink (WIFI hotspot or Router), the relay of the router is connected normally.

TE Router			III LTE 📊 E
🛠 Setup-Wizard			
Dashboard			
Basic	· //		
Advanced	Terminal	12100	Internet
Eogout	0	2.4 G	Connected
	Network Status		
	Туре	dhcp	
	Address(IPv4)	192.168.188.152	
	Netmask	255.255.255.0	
	Gateway	192.168.188.254	
	DNS(IPv4)	202.96.134.33	
	DNS(IPv4)	0.0.0.0	
	(ID C)	_	
	Address(IPV6)		
	Address(IPv6) DNS(IPv6)	-	

4. Perform packet ping to the gateway address of the uplink network via the network diagnostics page to determine whether or not the connection is normal

LTE Router		💷 LTE 🖬 English
 Setup-Wizard Dashboard Basic Advanced DTU Firewall 	Diagnostics Network Utilities 192.168.188.254 IPv4 Y PING IPv4 Y TRACEROUTE	
System System OCTL Remote Manager VPN Static Routes Diagnostics SQM QoS C Logout	Collecting data PING 192.168.188.254 (192.168.188.254): 56 data bytes 64 bytes from 192.168.188.254: seq=0 ttl=64 time=13.242 ms 64 bytes from 192.168.188.254: seq=1 ttl=64 time=2.246 ms 64 bytes from 192.168.188.254: seq=3 ttl=64 time=2.301 ms 64 bytes from 192.168.188.254: seq=3 ttl=64 time=6.257 ms 192.168.188.254 ping statistics 5 packets transmitted. 5 packets received. 0% packet loss round-trip min/avg/max = 2.301/7.503/13.242 ms	

Typical Application – Port Mapping

"Port Forwarding" can be found in the firewall page. You can map the port that needs to be translated and forwarded to the corresponding intranet IP, and click "Apply" to apply the configuration.

LTE Router		🕕 LTE 📶 Englis
☆ Setup-Wizard▲ Dashboard▲ Basic	General Settings DMZ Port Forwards Traffic Rules Domain Filter VPN PASS THROUGH Custom Rules Firewall - Port Forwards Port forwards Port forwards remote computers on the Internet to connect to a specific computer or service within the private LAN.	
Advanced	Port Forwards Name Match Forward to	Enable Sort
···· System ···· IOCTL	This section contains no values yet	
···· Remote Manager ···· VPN ···· Static Routes	New port forward: Name Protocol External zone External port Internal zone Internal IP address Internal port	
Diagnostics SQM QoS	Forward TCP+UDP wan I000 Ian I92.168.99.254 (00:E0:4C:72:DC:FC) I000 ADD	
🕒 Logout		SAVE & APPLY

Typical Application – Serial Passthrough

- 1. First setup the TCP server, note down the address and port number of the server.
- 2. Configure the DTU server settings located in the DTU menu of the router. Set the server address and port number to the IP address and port number of the TCP server, and then click Connect, the status is 1 means the connection is successful.

LTE Router			🕕 lte 📊	English
 Setup-Wizard Dashboard Basic Advanced oru Firewall 	DTU Serial Port DTU Servers Setting This is the page of setting the dtu server Servers setting Enabled	rs		
System OCTL Remote Manager VPN Static Routes Diagnostics SQM QoS Logout	Connect type T Server IP 1 Server Port 1 Heartbeat Interval(Second) 6 Hex Device ID D Device ID U	TCP ~ 192.168.99.100 15000 50 J2		
			SA	VE & APPLY
LTE Router			III LTE 📊	English
Setup-Wizard ≪				

🛠 Setup-Wizard	DTU Serial Port				
Dashboard	DTIL Management				
Basic	DioManagement				
Advanced	Servers List				
DTU	Name	Server IP	Server Port	Status	Actions
· Firewall	U2	192.168.99.100	15000	1	CONNECT STOP EDIT REMOVE
···· System	ADD				
IOCTL	_				
VPN					
Static Routes					
···· Diagnostics					
SQM QoS					
🕒 Logout					

3. According to the baud rate of the serial port to set the baud rate information. Connect the RS485 connection to the RS485 serial port.

LTE Router			ITE 📶 English
🛠 Setup-Wizard	DTU Serial Port		
 Dashboard 			
Basic	DTU Serial Port Management This is the page of setting the dtu serail port.		
🖨 Advanced	Serial Port Setting		
DTU			
····· Firewall	Baud rate 9600	~	
· System	Time Interval(ms) 100		
····· IOCTL	Configuring a serial port to accept	data timeout.	
Remote Manager	Data bits 8	~	
VPN			
Static Routes	Parity None	*	
····· Diagnostics	Stop bits 1	~	
SQM QoS			
🕒 Logout			SAVE & APPLY

4. After that, you can send data to each other between the server and the serial port.