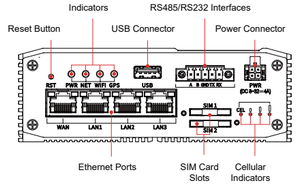
1 Package Contents

The following accessories are included in the package box. Before installing your WR310 router, please confirm the kit contents as following:

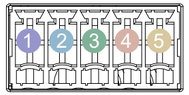
Item	Quantity
WR310 Cellular Router	1
Power Adaptor	1
5G Cellular Antenna	4
Wi-Fi Antenna	3
GPS Adhesive Antenna	1
1 Meter Ethernet Cable	1
Pin Connector	1

**If any of the above items is missing or damaged, please contact your sales representative.*

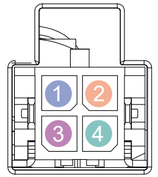
2 Interfaces



3 Connector Definition



1. RS-485 #A
2. RS-485 #B
3. GND: Ground
4. RS-232 TX (connect with RXD of peer end)
5. RS-232 RXD (connect with TXD of peer end)

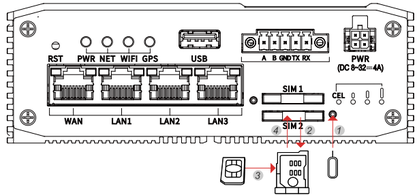


1. Power
2. Ground
3. Digital input(0-3.3 VDC:low logic level /4.0-40 VDC:high logic level)
4. Open collector output(30 VDC,0.2A)

4 LED Indicators

Name	Status	Description
PWR	Red, solid	Power on
	Off	Not powered up
NET	Brilliant Green	Link connection is working
	Off	Link connection is down
WIFI	Yellow green,solid	WIFI on and working
	Yellow green blinking every 350ms	Data is being transferred
	Off	WIFI off
GPS	Brillant yellow, solid	GPS on and working properly
	Off	GPS off
CEL	Green,soild	Connecting to 5G network
	Green blinking every 0.5s	Connecting to 3G/4G network
	Off	No SIM or wrong PIN
SIG(RSSI)	Signal bar 3, solid	23 to 32
	Signal bar 2, solid	11 to 23
	Signal bar 1, solid	1 to 10
	Off	0

5 Hardware Installation



Note: The device is compatible with mini-SIM (2FF) size cards.

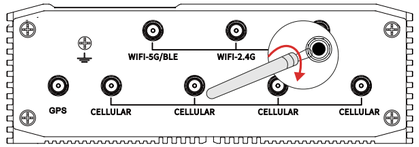
1. Insert the SIM Card. Before inserting the SIM card, make sure the router is powered off.

(1) Push the SIM holder button with a needle

(2) Pull out the SIM holder

(3) Insert your SIM card into the SIM holder

(4) Slide the SIM holder back into the router

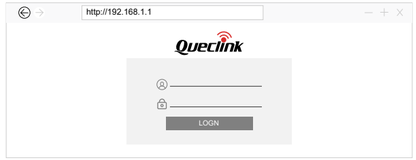


2. Attach the external antenna to the router's connector and twist tightly. The connector of mobile is SMA and WIFI is RP-SMA. Make sure that the antenna type corresponds to the antenna connector.

3. Connect your PC with the router through WIFI or use an Ethernet cable via LAN port.

4. Connect the power adaptor to the socket on the front of the router and plug the other end of the power adaptor into a power outlet. The router is designed to accept input voltage between 8 VDC to 32 VDC. Higher voltage input may damage the device.

6 Software Configuration



1. Configure the IP Address of your PC. Obtain an IP address automatically or configure a static IP address manually within the same subnet of the router.

2. Login the router:

(1) Open a web browser such as Internet Explorer, Google Chrome or Firefox on your PC.

(2) Type http://192.168.1.1 into the URL field of your Internet browser.

(3) Enter username and password to login the Web UI. The default username is “admin” and password is “admin01”.

3. Wizard Setup

(1) After login, the router will display the overview page. You can go to the System ->Step Wizard page to setup some of the router's basic operating parameters.



(2) Go to the Status->Network->Mobile page to check the mobile connection status and signal strength of the network. To maximize the cellular performance, you can try adjusting the antennas or changing the location of the router to achieve the best signal coverage.

If the mobile connection state is connected, it means the router is connected to the mobile network and you can access the Internet through the router.

4.The Remote Management System (RMS) is a platform to remotely monitor and manage Queclink networking devices. The system allows to securely gather device information, change device configuration and upgrade firmware, etc. Visit RMS website rms.queclinksz.com and register an account to manage your devices.

Attention:

Please read this manual carefully before use. Any operation not according to this manual is inappropriate and may cause damage to the router.

Please pay attention to the following items for daily maintenance:

1. Keep the router ventilated and dry, do not stack other items around the router, and keep the router away from heat sources, dust and strong magnetic field.

2. Ensure that the router will not be wet or damaged when used indoors or outdoors.

3. To ensure the insulation between the router and the contact object, it is not allowed to contact the charged object with the router.

4. Do not drop, hit or shake the router. Do not use the router under extreme vibrating conditions.

5. Do not open and disassemble the router without the guidance of our service engineer.

Queclink

Quick Start -WR310

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