CELL C

THE POWER IS IN YOUR HANDS
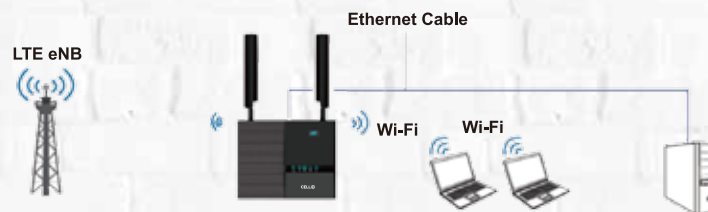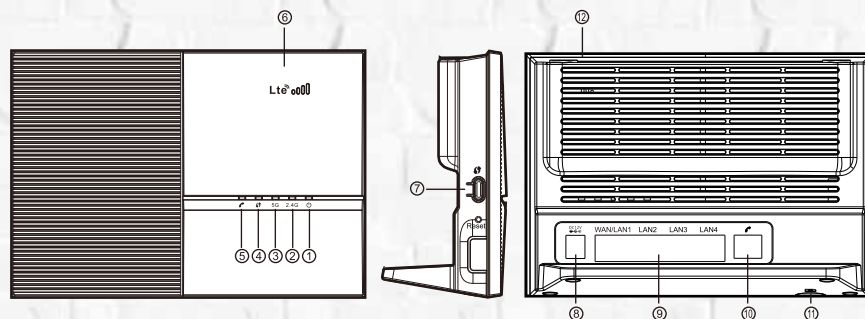
LTE ADVANCED

Wi-Fi

**CELL C
RTL31VW LTE-A
HOME ROUTER**
Quick-start Guide

1. ENVIRONMENT

RTL31VW LTE-A HOME ROUTER is a LTE/3G CPE Router that will use a LTE/3G signal to communicate as WAN. Use WiFi to share with LAN side.
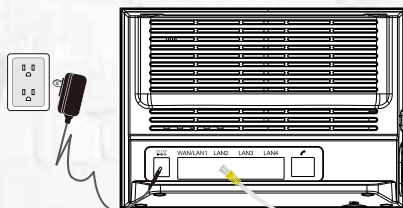
Ethernet Cable
LTE eNB
Wi-Fi   Wi-Fi

2. GETTING STARTED ON LTE CPE

1	Power indicator
2	Wi-Fi 2.4G indicator
3	Wi-Fi 5G indicator
4	WPS indicator
5	VoIP indicator
6	Signal strength indicator

7	WPS button
8	Power port
9	LAN/WAN port
10	VoIP port
11	SIM card slot
12	External antenna port

1506-0GLK000

3. INSTALLATION

3.1 Insert the SIM card into the slot (LTE at the bottom).
Connect the Ethernet cable to the LTE CPE Ethernet LAN port.

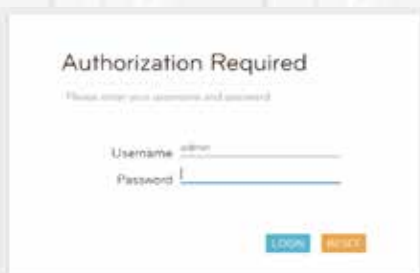3.2 Plug adapter into LTE CPE (Power on).

3.3 Make sure the LED "⏻" is light on.
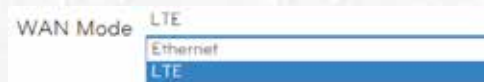
4. CONFIGURE LTE CPE

4.1 Open your web browser and type http://192.168.1.1

192.168.1.1

4.2 Type password to log onto the web. Default user name is admin.
Default password is admin.

Authorization Required

Username admin
Password

4.3 Click "Mobile Network or Network" on dashboard.

4.4 Choose WAN connection type (Ethernet/LTE, default is LTE).

WAN Mode LTE
Ethernet
LTE

4.5 Confirm settings, then click "SAVE & APPLY".

4.6 Setup completed.

5. CONNECT LTE CPE

5.1. Connecting PC

5.1.1. Check the Wi-Fi networks of PC and click SSID "Cell_C_5Gxxxx" or "Cell_C_2.4Gxxxx" (xxxx is the last 4 digits of the MAC address) then type password.

5.1.2. Connection successful.
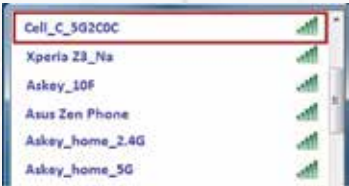
5.2. Connecting Mobile

5.2.1. Turn on Wi-Fi of Mobile.

5.2.2. Check the Wi-Fi networks and click SSID "Cell_C_5Gxxxx" or "Cell_C_2.4Gxxxx" (xxxx is last 4 digit of MAC address), then type password.

5.2.3. Connection successful.

6. LED INDICATOR

LED Definition			
LED	**Colour**	**Action**	**Description**
POWER/RESET LED	Blue	Solid On	Power adaptor plug in
	Red	Solid On	Reset function
2.4G Wi-Fi LED	Blue	Solid On	2.4G Wi-Fi functio working normally
		Blinking	Data transmission
5G Wi-Fi LED	Blue	Solid On	5G Wi-Fi functio working normally
		Blinking	Data transmission
WPS	Blue	Solid On	WPS activity, auto control
VoIP	Blue	Solid On	VoIP registered and ready
		Blinking	VoIP off-hook
LTE Bar LED	Blue	Solid On	LTE SINK status
	Red	Solid On	No signal (less than-110dBm)
	Purple	Solid On	Ethernet mode enabled
RJ45 LED	Green	Solid On	Ethernet port link-up
		Blinking	Ethernet port data business

7. PRODUCT SPECIFICATION

Platform	Qualcomm
Modem Chipset	MDM9230
LTE Band	1, 3, 7, 8, 20, 38
UMTS Band	1, 8
3GPP Release	R10
Category	Cat 6
Wi-Fi	802.11 a/b/g/n/ac, 2x2 MIMO
SIM Card size	2FF
No. of RJ45 Ports	4
No. of RJ11 Ports	1 (Reserved for future use)
Antenna	2 x External antenna connector

8. DEFAULT VALUE

8.1   Web configuration address: 192.168.1.1

8.2   Default User Name: admin

8.3.   Default Password: admin

9. OPERATION FALL BACK

The RTL31VW LTE-A home Router supports 3 modes of operation, LTE mode, Ethernet mode and Ethernet mode with fall-back.

LTE mode: The Home LTE Router will use the LTE network as the WAN interface, the four Ethernet ports will both become LAN ports. Users can connect to the Home LTE Router via LAN port 1 to 4 and Wifi. In this mode the router will use the LTE connection to access the Internet. Please ensure an active SIM card is inserted for this mode.

Ethernet mode without fallback: The Home LTE Router will change LAN port 1 to a WAN Port interface and port 2 to 4 will remain as a LAN interface. Users can connect to the Home LTE Router via LAN port 2 to 4 and Wifi. In this mode the Router will use WAN port 1 to access the Internet.

Ethernet mode with fallback: The Home LTE Router will change LAN port 1 to a WAN Port interface, and port 2 to 4 will remain as a LAN interface. Users can connect to the Home LTE Router via LAN port 2 to 4 and Wifi. In this mode the Home LTE Router will use WAN port1 to access the Internet.
If WAN port 1 is unplugged from the internet, the Home LTE Router will automatically use the LTE connection as the WAN interface, and port 2 to 4 will remain as the LAN interface. If the WAN port 1 connection is restored the Home LTE Router will use WAN port1 to connect to the internet. Users can connect to the Home LTE Router via LAN port 2 to 4 and Wifi. Please ensure an active SIM card is inserted for this mode.

LTE ADVANCED
Wi-Fi

CELL C
RTL31VW LTE-A
HOME ROUTER
Quick-start Guide