LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDGE/GPRS /CDMA/GSM/GPS/BDS Cellular Module
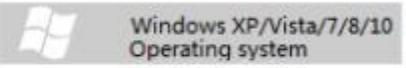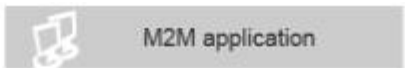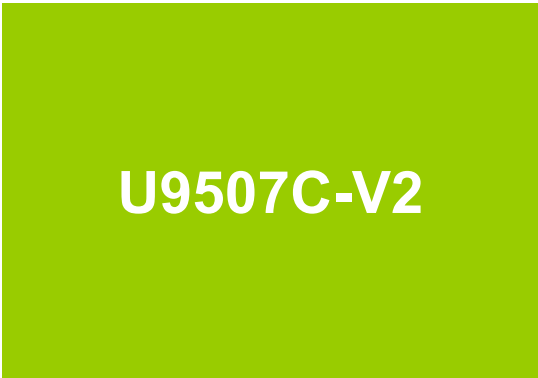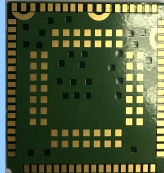
U9507C-V2 is a new generation of Longsung LTE wireless module, rich of Internet protocols, and standard interfaces and abundant functionalities. It can be designed in many kinds of applications which can work on LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDGE/GPRS/CDMA/GSM/GPS/BDS network.

On LTE-TDD/LTE-FDD network, U9507C-V2 enables connect to the Internet at DL data speed up to 150Mbps and UL data speed up to 50Mbps, in the area where LTE service are not available, U9507C-V2 still enables reliable and secure data connect over 3G(TD-SCDMA/UMTS/EVDO) or 2G(EDGE/GPRS/CDMA) network.

U9507C-V2 provides SMS, MMS, Phonebook functions as well as high speed access, and also audio function. It can be designed in many kinds of applications. Such as Vehicle equipment, Router, Data card, Video monitor, Tablet, Electric-book, MID, etc.

- LTE-TDD/LTE-FDD
- Receive diversity
- AT Command
- Surveillance application
- M2M application
- Laptop application
- USB 2.0 interface
- UART interface
- RoHS compliance
- Windows XP/Vista/7/8/10 Operating system
- Linux operating system
- GPS/BDS

Talk Straight   Accountable   Simplicity   Open-minded   Courageous
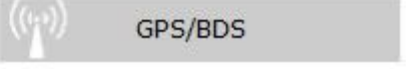
U9507C-V2

LTE-TDD/LTE-FDD Cellular Module

General features:

• EDGE multi-slot class 12

• GPRS multi-slot class 12

• Compliant to GSM phase 2/2+

• Output power:

- Class 3 (0.25W) for
  LTE/TD-SCDMA/UMTS

- Class 4 (2 W) for GSM 900

- Class 1 (1 W) for GSM 1800

• Control via AT commands
  (3GPP TS27.005/TS27.007, 3GPP2)

• Supply voltage range: 3.3V- 4.2V

• Low Power consumption

- Sleep mode: 3mA

- Power down: 50 µA

• Dimensions: 31.0×30.0×2.4mm

• Operation Temperature
  -40°C to +85°C

Specifications for SMS:

• Point-to-point MO and MT

• SMS cell broadcast

• Text and PDU mode

Band Configuration:

U9507C-V2:

• LTE-TDD Quad-band Band 38/39/40/41

• LTE-FDD Quad-band Band 1/3/5/8

• TD-SCDMA Dual-band Band 34/39

• UMTS Dual-band Band 1/8

• EVDO Single band BC0

• CDMA1x Single band BC0

• GSM Dual-band Band 3/8

GPS/BDS(BeiDou):

• GPS frequency: 1575.42MHz

• At least support 44 channels

• Location accuracy: 4m

• Sensitivity

- Acquisition: -158dBm

- Tracking: -162dBm

• TTFF

- Cold Start: 34s

- Warm Start: 29s

- Hot Start: 1s

Additional features:

• VoLTE

• Phone book

• PCM

• DTMF

Approvals:

• RoHS

• CCC

• CTA

Specifications for data:

• Support Release 9 Category 4

• LTE-FDD up to 150 Mbps DL,50 Mbps UL

• LTE-TDD up to 150 Mbps DL,50 Mbps UL

• DC-HSPA+ up to 42.2Mbps DL,5.76Mbps UL

• TD-SCDMA up to 4.2Mbps DL,2.2Mbps UL

• 1xEV-DO ReA up to 3.1Mbps DL,1.8Mbps UL

• EDGE class 12: 237kbps DL,118kbps UL

• GPRS class 10: 85.6kbps DL,85.6kbps UL

• CSD up to 14.4 kbps

• Non transparent mode

• PBCCH support

• PPP-stack

• Coding schemes CS 1,2,3,4

• FOTA

• TCP/IP

• NDIS

Interfaces:

- Power supply

- USB 2.0 high speed

- UICC/SIM/UIM interface 3 V / 1.8 V

- UART/BT_UART

- PCM

- Antenna interface

- HSIC

- WiFi

- SDIO

- SGMII

- Reset

Talk Straight   Accountable   Simplicity   Open-minded   Courageous