



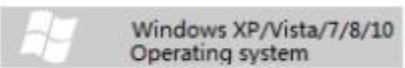
产品规格咨询热线：梁 18148584520（微信同号）

# LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDGE/GPRS /CDMA/GSM/GPS/BDS Cellular Module

U9507C is a new generation of Longsung LTE wireless module, rich of Internet protocols, and industry-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 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 still enables reliable and secure data connect over 3G(TD-SCDMA/UMTS/EVDO) or 2G(EDGE/GPRS/CDMA) network.

U9507C 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 Data card, Video monitor, Tablet, Electric-book, MID, Vehicle equipment, etc.



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## U9507C

### 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: 4mA
  - Power down: 50 µA
- Dimensions: 31.0×30.0×2.4mm
- Operation Temperature
  - 40°C to +85°C
- Package Form:
  - Tape and Reel, 44\*2.9mm, 400Pcs

#### Specifications for SMS:

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode

#### Additional features:

- VoLTE
- Phone book
- PCM
- DTMF
- TTS

#### Band Configuration:

- U9507C:
- 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: 35s
  - Warm Start: 29s
  - Hot Start: 1s

#### Protocols:

TCP/ UDP/ PPP/ FTP/ HTTP/ HTTPS/ SMTP\*/ SMTPS\*/ MMS/ FTPS\*/ NTP/ PING/ QMI/ SSL/ NITZ/ CMUX/ MQTT\*

#### Approvals:

- SRRC、CCC、CTA

#### Specifications for data:

- Support Release 11 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: 296kbps DL,236.8kbps 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
- PCM
- Antenna interface
- HSIC

\* Under Development

Module Name	Configuration Code	Diversity Antenna	GNSS	Function
U9507C	DGN	Yes	Yes	Full Function
	SXN	No	No	Full Function
	DXN	Yes	No	No Voice, SMS and Fota
	SXNC	No	No	No Voice, SMS and Fota

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