LTE-FDD/LTE-TDD/UMTS/GSM/GPS Cellular Module

U9507J is a wireless module which is designed for the global market. It is a consumptive product; It can be designed in many kinds of applications which can work on LTE-FDD/LTE-TDD/UMTS/GSM/GPS/ GLONASS (Optional) network.

On LTE network, U9507J 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, U9507J still enables reliable and secure data connect over 3G(UMTS) or 2G(GSM) network.

U9507J 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.

U9507J

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

U9507J

LTE-FDD/LTE-TDD Cellular Module

General features:

• Package: LCC
• EDGE multi-slot class 12
• GPRS multi-slot class 12
• Compliant to GSM phase 2/2+
• Output power:
- Class 3 (0.25W) for LTE/UMTS
- Class 4 (2 W) for GSM 900
- Class 1 (1 W) for GSM 1800
• Control via AT commands
(3GPP TS27.005/3GPP TS27.007)
• Supply voltage range: 3.3V- 4.2V
• Low Power consumption
- Sleep mode: 5mA
- Power down: 50 μA
• Dimensions: 31.0×30.0×2.5mm
• Operation Temperature
-40°C to +85°C

Specifications for SMS:

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

Additional features:

• VoLTE
• Phone book
• PCM
• DTMF

Band Configuration:

U9507J:
• LTE-FDD Band 1/3/8/18/19/26/28
• LTE-TDD Band 38/40/41
• UMTS Band 1/5/8/19
• GSM Band 3/8

GPS:

• GPS frequency: 1575.42MHz
• At least support 44 channels
• Location accuracy: ＜10m
• Sensitivity
- Acquisition: -158dBm
- Tracking: -162dBm
• TTFF:
- Cold Start: 60s
- Warm Start: 45s
- Hot Start: 1s

GLONASS(Optional):

• GLONASS frequency: 1601.7MHz
• At least support 44 channels
• Location accuracy: ＜10m
• Sensitivity
- Acquisition: -155dBm
- Tracking: -160dBm
• TTFF:
- Cold Start: 60s
- Warm Start: 45s
- Hot Start: 1s

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
• EDGE up to 237Kbps DL,118Kbps UL
• GPRS class 10: 85.6kbps DL,85.6kbps UL
• CSD up to 14.4 kbps
• 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

Approvals:

• RoHS
• CE
• GCF

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