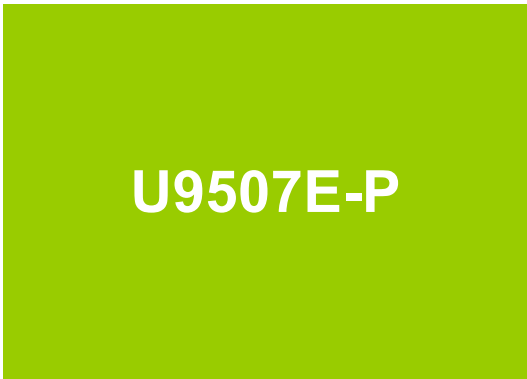# LTE-FDD/LTE-TDD/UMTS/GSM/GPS Cellular Module

U9507E-P 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, U9507E-P 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, U9507E-P still enables reliable and secure data connect over 3G(UMTS) or 2G(GSM) network.

U9507E-P 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.

U9507E-P

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

U9507E-P (for EU)

LTE-FDD/TDD 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/UMTS

- Class 4 (2 W) for GSM900

- Class 1 (1 W) for GSM1800

• 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: 51.0×30.0×4.6mm

• 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

Band Configuration:

U9507E-P:

• LTE-FDD   Band 1/3/5/7/8/20/28

• LTE-TDD   Band 38/40

• UMTS   Band 1/5/8

• GSM   Band 3/8

Specifications for 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: 15S

GLONASS(Optional):

• GLONASS frequency: 1601.7MHz

• At least support 44 channels

• Location accuracy: ＜10m

• Sensitivity

- Acquisition: -155dBm

- Tracking: -160dBm

• TTFF:

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 42Mbps 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:

RF connector

PCI Express® Mini Card Interface

- Power supply

- USB 2.0 high speed

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

- UART

- Analog Audio

-   PCM

Talk   Accountable   Simplicit   Open-minded   Courageous