

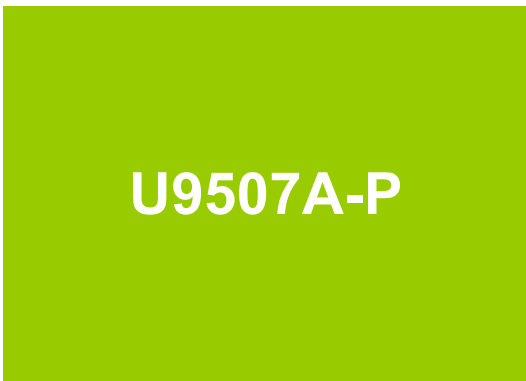


LTE-FDD/UMTS/GSM/GPS Cellular Module

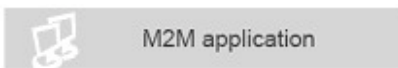
U9507A-P (P: for PCIe) is a wireless module which is designed for the global market. It is a consumptive product; It can be designed in many kinds of applications which can work on LTE-FDD/UMTS/GSM/GPS/GLONASS(Optional) network.

On LTE-FDD network, U9507A-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, U9507A-P still enables reliable and secure data connect over 3G(UMTS) or 2G(GSM) network.

U9507A-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.



LTE-FDD



M2M application



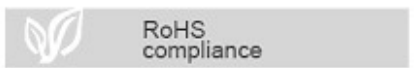
PCI Express Mini Card Standard Interface



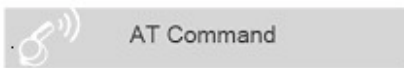
Receive diversity



Router application



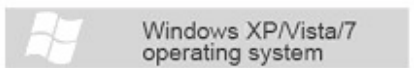
RoHS compliance



AT Command



USB 2.0 interface



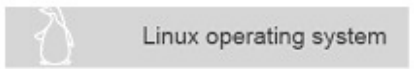
Windows XP/Vista/7 operating system



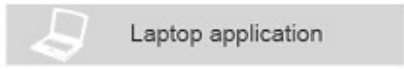
Surveillance application



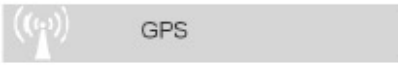
UART interface



Linux operating system



Laptop application



GPS



U9507A-P (For America)

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/UMTS
 - Class 4 (2 W) for GSM850
 - Class 1 (1 W) for GSM 1900
- 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 μ A
- 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
- PCM and analog Audio
- DTMF

Band Configuration:

U9507A-P:

- LTE-FDD Band 2/4/12/13/17/(28)

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

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: 15s

Specifications for data:

- Support Release 9 Category 4
- LTE-FDD 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
- Antenna connector

Approvals:

- RoHS, FCC, PTCRB