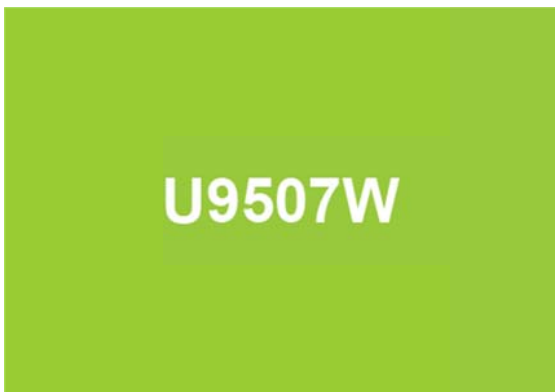














LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EDGE/GPRS/GSM/ GPS Cellular Module

U9507W 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-TDD/LTE-FDD/TD-SCDMA/UMTS/EDGE/GPRS/GSM/GPS network.

On LTE-TDD/LTE-FDD network, U9507W 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, U9507W still enables reliable and secure data connect over 3G(TD-SCDMA/UMTS) or 2G(EDGE/GPRS) network.

U9507W 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-TDD/LTE-FDD	 M2M application	 RoHS compliance
 Receive diversity	 Laptop application	 Windows XP/Vista/7 operating system
 AT Command	 USB 2.0 interface	 Linux operating system
 Surveillance application	 UART interface	 GPS



U9507W

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 GSM850/900
 - Class 1 (1 W) for GSM1800/1900
- 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: 31.0 \times 30.0 \times 2.3mm
- 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:

U9507W:

- LTE-TDD Quad-band
 - Band 38/39/40/41
- LTE-FDD Tri-band Band 1/3/8
- TD-SCDMA Dual-band Band 34/39
- UMTS Dual-band Band 1/8
- GSM Dual-band Band 3/8

GPS:

- GPS frequency: 1575.42MHz
- Support 55 channel
- Location accuracy: <2m
- Sensitivity
 - Cold Start: -145dBm
 - Acquisition: -160dBm
 - Tracking: -161dBm
- TTF:
 - Cold Start: 32s
 - Warm Start: 29s
 - Hot Start: 1s

Additional features:

- VoLTE
- Phone book
- PCM
- DTMF

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
- 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
- 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
- CCC
- CTA