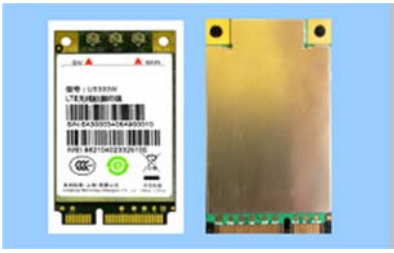
LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EDGE/GPRS/GSM/ GPS Cellular Module

U9300W 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, U9300W 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, U9300W still enables reliable and secure data connect over 3G(TD-SCDMA/UMTS) or 2G(EDGE/GPRS) network.

U9300W 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
- Receive diversity
- AT Command
- Surveillance application
- Laptop application
- M2M application
- Router application
- USB 2.0 interface
- UART interface
- GPS
- PCI Express Mini Card Standard Interface
- RoHS compliance
- Windows XP/Vista/7 operating system
- Linux operating system



U9300W

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 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

Band Configuration:

U9300W:

- LTE-TDD Band 38/39/40/41
- LTE-FDD Band 1/3/5/7/8
- TD-SCDMA Band 34/39
- UMTS Band 1/8
- GSM Band 2/3/5/8

Specifications for GPS:

- Support 55 channel
- TTFF
- Cold Start: 32S
- Warm Start: 29S
- Hot Start: 1S
- Sensitivity
- Cold Start: -145dBm
- Acquisition: -160dBm
- Tracking: -161dBm

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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
- 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