

# LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EDGE/GPRS/GSM/ GPS/BDS 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/BDS 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/GSM) 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

 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/BDS



## U9300W

### LTE-TDD/LTE-FDD Cellular Module

#### General features:

- EDGE multi-slot class 12
- GPRS multi-slot class 10
- Compliant to GSM phase 2/2+
- Output power:
  - Class 3 (0.25W) for LTE/TD-SCDMA/UMTS
  - Class 4 (2 W) for GSM 850/900
  - Class 1 (1 W) for GSM 1800/1900
- 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  $\mu$ A
- Dimensions: 51.0x30.0x4.6mm
- 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:

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

#### GPS/BDS(BeiDou):

- 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

#### Approvals:

- RoHS
- CCC
- CTA

#### 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
- TD-SCDMA up to 4.2 Mbps DL,2.2 Mbps UL
- DC-HSPA+ up to 42Mbps DL,5.76Mbps UL
- EDGE class 12: 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

| Module Name | Configuration Code | Diversity Antenna | GNSS | CODEC |
|-------------|--------------------|-------------------|------|-------|
| U9300W      | DGV                | Yes               | Yes  | Yes   |
|             | SXN                | No                | No   | No    |
|             | DXN                | Yes               | No   | No    |
|             | DGN                | Yes               | Yes  | No    |