



U9507C ATA

Automotive Grade (Version: 2020/3/4)



LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDGE/GPRS/CDMA/GSM/GNSS Wireless M2M

U9507C ATA is a new wireless communication module, automotive-grade, Build-in abundant network protocol, integrated multiple standard-interface. Furthermore, the Module can work on LTE-TDD/LTE-FDD/TD-SCDMA/UMTS/EVDO/EDGE/GPRS/CDMA/GSM, and so forth working mode.

In the LTE-TDD/LTE-FDD mode, the uplink&downline respectively are 50Mbps and 150Mbps; the module can also attach 2G (EDGE/GPRS/CDMA) and 3G (TD-SCDMA/UMTS/EVDO) safely and reliably even without LTE network coverage.

U9507C ATA does not merely provide high speed data access, and also contain Short Message, MMS, Phone book, Voice call and so forth, causes it widely used in the industry、 consumer goods and vehicle. The automotive manufacturing and quality process makes it especially suitable for automotive related fields, such as on-board navigation system, remote vehicle monitoring, remote vehicle diagnosis, on-board wireless router, fleet management, vehicle tracking, on-board infotainment system, etc.

Diversity receiver

Multiple Band

USB 2.0

M2M Application

OPEN LINUX

GNSS

LGA Compact Size

Multiple protocol

General Features

- Supply voltage range: 3.3V-4.2V
 - low-power dissipation
 - sleep mode: 3mA
 - power off: 16μA
 - Dimension: 31.0mm×30.0mm×2.4mm
 - Weight: approximate 5g
 - Package: LGA
 - Temperature Range: -40°C to +85°C
- 3GPP TS27.005/ TS27.007,3GPP2 and Enhanced AT Command

Message Format

- Point-to-point MO and MT
- SMS Cell broadcast
- Text and PDU mode

Other Features

- Open Linux
- Support Multiple APN
- DFOTA
- Support Data & APP Backup
- ESD & EMI protection

Band configuration

- LTE-TDD Qual Band 38/39/40/41
- LTE-FDD Qual Band 1/3/5/8
- TD-SCDMA Dual Band 34/39
- UMTS Dual Band 1/8
- EVDO Single Band BC0
- CDMA1x Single Band BC0
- GSM Dual Band 3/8

GNSS

- Support GPS/BeiDou/GLONASS/Galileo/QZSS
- Sensitivity
 - acquisition: -146dBm
 - reacquisition: -158dBm
 - tracking: -162dBm
- TTF(Autonomous @Open Sky)
 - Cold start: 28s
 - Warm start: 27s
 - hot start: 2.9s
- TTF (XTRA Enabled @Open Sky)
 - Cold start:18s
 - Warm start: 2.5s
 - hot start: 1.8s

Data

- LTE-FDD up to 150 Mbps DL,50 Mbps UL
- LTE-TDD up to 130 Mbps DL,35 Mbps UL
- DC-HSPA+ up to 42.2Mbps DL,5.76Mbps UL
- TD-SCDMA up to 4.2 Mbps DL,2.2 Mbps UL
- 1xEV-DO ReA up to 3.1Mbps DL,1.8Mbps UL
- EDGE class 33: 296kbps DL,236.8kbps UL
- GPRS class 33: 107kbps DL,85.6kbps UL

Interface

- 1 USB 2.0 high speed interface
- 1 SIM/USIM 3V/1.8V
- 3 UART
- 1 PCM
- 2 SDIO
- 1 SGMII
- 2 IIC
- 1SPI
- ANT Port
- GPIO

Protocol

TCP/ UDP/ PPP/ FTP/ HTTP/ HTTPS/ SMTP*/
SMTPS*/ MMS/ FTPS*/ NTP/ PING/ QMI/ SSL/
NITZ/ CMUX/ MQTT*