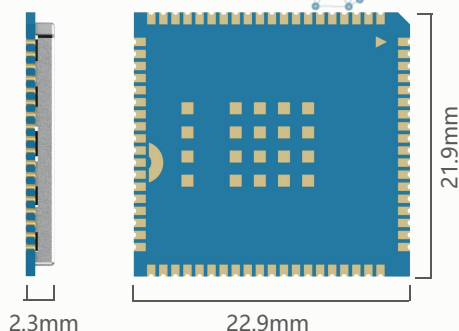




L503

LTE Cat1 module

L503 is a Cat1 module for LCC+LGA package, with stable and reliable performance. It can well meet customer's requirements for cost-effective, low-power applications.

L503 size is only 22.9*21.9*2.3mm and very convenient for SMT. It can meet the needs of customers for small module products and facilitate customers to reduce product size and optimize product costs. All of these features make it suit to IoT areas, such as PoC, Mobile payment, security and alarm systems, on-board vehicle, DTU, asset tracking, sharing economy, etc.



FOTA



LTE Cat1



Temperature
-40°C to +85°C



AT



Ultra Low Power
Consumption



USB2.0



Analog Audio



VoLTE

Main Features

- Frequency Bands:
L503:
TDD-LTE: B38/B40/B41
FDD-LTE: B1/B3/B5/B7/B8/B20/B28
GSM/EDGE: B3/B5/B8
- Output Power:
LTE: 23dBm±2dB
- Support AT command
- Operation Temperature Range: -40°C ~ +85°C
- Supply Voltage Range: 3.3 ~ 4.5V (3.8V Typ)
- Dimensions: 22.9*21.9*2.3mm
- Package: 96-pin LCC+LGA
- Weight: Approx 2.5g

Power consumption

- LTE Standby: 1.2mA@3.8V
- Flight mode: 1mA@3.8V

Data transmission

- Support LTE Cat1:
DL 10Mbps
UL 5Mbps

Interfaces

- UART
- (U)SIM (3.0V/1.8V)
- I2C
- ADC
- USB2.0
- SPI
- PCM
- GPIO
- Reset
- Powerkey
- Analog Audio
- Antenna

Other features

- Firmware Update: Firmware updated via USB
- USB Drivers: Microsoft Windows XP/7/8/10
- Support WIFI SCAN
- Support TCP/UDP/HTTP/FTP/MQTT/SSL/FOTA/PPP

Certification

- CCC/SRRC/CE