



L501E

LTE Cat1 module

L501E 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.

L501E size is only 30*30*2.5mm 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



GPRS CLASS 12

Main Features

- Frequency Bands :
FDD-LTE : B1/B3/B7/B8/B20/B28
GSM : B3/B8
- Output Power :
LTE : 23dBm±2dB
GSM : GSM900 33dBm ±2dB
DCS1800 30dBm ±2dB
- Support AT command
- Operation Temperature Range : -40°C ~ +85°C
- Supply Voltage Range : 3.3 ~ 4.2V (3.8V Typ)
- Dimensions : 30*30*2.5mm
- Package : 135-pin LCC+LGA
- Weight : Approx 5g

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*

Interfaces

- 3 UART
- (U)SIM (3.0V/1.8V)
- IIC
- 2 ADC
- USB2.0
- SDIO
- PCM
- GPIO
- Analog Audio
- Antenna

Power consumption

- LTE Standby : 1.1mA@3.8V
- GSM Standby : 1.2mA@3.8V

Data transmission

- Support LTE Cat1 :
DL 10Mbps
UL 5Mbps