



L501-3 Series

LTE Cat1 module

L501-3 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.

L501-3 size is only 30*30*2.4mm 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

- Module:

L501C-3S:

TDD-LTE: B34/B38/B39/B40/B41

FDD-LTE: B1/B3/B5/B8

GSM: B3/B8

L501E-3S:

TDD-LTE: B38/B40/B41

FDD-LTE: B1/B3/B5/B7/B8/B20/B28

GSM: B3/B8

L501ER-3S:

TDD-LTE: B38/B40/B41

FDD-LTE: B1/B3/B7/B8/B20/B28/B31

GSM: B3/B8

L501R-3S:

FDD-LTE: B31

L501I-3S:

FDD-LTE: B1/B3/B8

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 ~ 4.5V (3.8V Typ)
- Dimensions: 30*30*2.4mm
- Package: 135-pin LCC+LGA
- Weight: Approx 5g

Interfaces

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

Other features

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

Power consumption

- LTE Standby: 1.2mA@4V
- GSM Standby: 1.3mA@4V

Data transmission

- Support LTE Cat1:
DL 10Mbps; UL 5Mbps

Certification

- CCC/SRRC/CE/RoHS