



L501E-3SKD

LTE Cat1 module

L501E-3SKD 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-3SKD 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 Smart metering, 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



Main Features

- Module:
L501E-3SKD:
TDD-LTE: B40/B41
FDD-LTE: B1/B3/B20/B28
GSM/GPRS/EDGE: B3/B8
- Output Power:
LTE: 23dBm $\pm$ 2dB
GSM: GSM900 33dBm $\pm$ 2dB
DCS1800 30dBm $\pm$ 2dB
EDGE: GSM900 27dBm $\pm$ 3dB
DCS1800 26dBm $\pm$ 3dB
- 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

Chipset information

- Main Chipset: ASR1603S
- RF Chipset: Build-in Transceiver

Data transmission

- Support LTE Cat1:
Max DL 10Mbps; UL 5Mbps
- Support EDGE/GPRS:
EDGE: Max DL/UL 236.8Kbps
GPRS: Max DL/UL 85.6Kbps

Interfaces

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

Other features

- Firmware Update: Firmware updated via USB
- USB Drivers: Microsoft Windows XP/7/8
- Support WIFI SCAN
- Support TCP/UDP/HTTPSSL/FOTA/PPP

Power consumption

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

Certification

- CE/RoHS