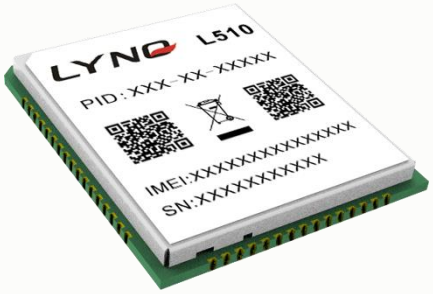
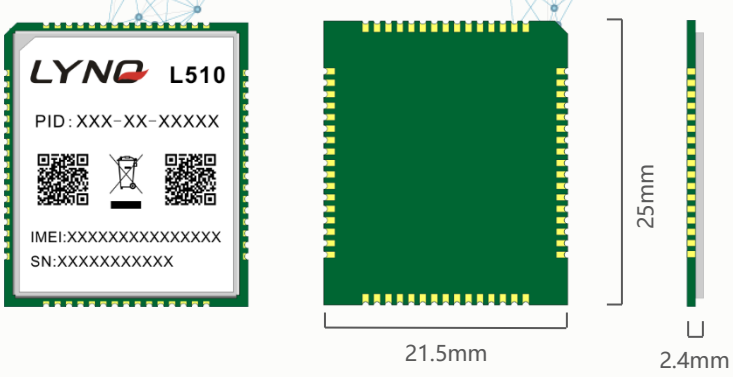
MobileTek
Smart solution for a smarter world





L510-3 Series

LTE Cat1 module

L510-3 Series is a Cat1 module for LCC package, with stable and reliable performance. It can well meet customer's requirements for cost-effective, low-power applications.

L510-3 Series size is only 21.5*25*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, Telematic, DTU, Asset tracking, Sharing economy, etc.

- FOTA
- LTE Cat1
- Temperature -40°C to +85°C
- AT
- Ultra Low Power Consumption
- USB2.0
- Analog and Digital Audio
- VoLTE
- EDGE

LYNQ

Main Features

- Band:
  N with GNSS
  L510E(N)-3S:
  FDD-LTE: B1/B3/B7/B8/B20/B28
  GSM/GPRS/EDGE: B3/B8
  L510EX(N)-3S:
  FDD-LTE: B1/B3/B7/B8/B20
  TDD-LTE: B38/B40/B41
  GSM/GPRS/EDGE: B3/B8
  L510C(N)-3S:
  FDD-LTE: B1/B3/B5/B8
  TDD-LTE: B34/B38/B39/B40/B41
  GSM/GPRS/EDGE: B3/B8
  L510LA(N)-3S:
  FDD LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66
  TDD LTE: B40
  GSM/GPRS/EDGE: B2/B3/B5/B8
- Output Power:
  LTE: 23dBm±2dB
  GSM: GSM900 33dBm ±2dB
  DCS1800 30dBm ±2dB
  EDGE: GSM900 27dBm ±3dB
  DCS1800 26dBm ±3dB
- GNSS: GPS+BD+Glonass
- Support AT command
- Operation Temperature Range: -40℃ ~ +85℃
- Supply Voltage Range: 3.3 ~ 4.5V (3.8V Typ)
- Dimensions: 21.5*25*2.4mm
- Package: 64-pin LCC
- Weight: Approx 2.5g

Interfaces

- 3 UART
- SIM (3.0V/1.8V)
- I2C/SPI
- ADC
- USB2.0
- PCM
- Analog Audio (only L510LA-3)
- GPIO
- PWKEY/Reset
- RF Antenna
- GNSS 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 etc.

Data transmission

- Support LTE Cat1:
  Max DL 10Mbps; UL 5Mbps
- Support EDGE/GPRS:
  EDGE: Class12 Max DL/UL 236.8Kbps
  GPRS: Class12 Max DL/UL 85.6Kbps

Power consumption

- Flight Mode: 1.1mA@3.8V
- LTE Standby: 1.4mA@3.8V
- GSM Standby: 1.9mA@3.8V

Certification

- CE/RoHS