L506
LTE Industrial grade module

L506 is a LTE module with excellent reliability, occupied small area base on industry-leading qualcomm MDM9X07 platform, It maximum support 150 Mbps downlink and 50Mbps uplink data rates. L506 is a multi-band TDD-LTE/FDD - LTE/TD-SCDMA/WCDMA type module and completely compatible with existing EDGE and GSM/GPRS network.

The area of L506 is extremely small, its only cover 30.0 x 30.0 x 2.8 mm with LCC package, cost optimized SMT form and high integrated density make it convenient for customer to design their own application products,which can make them feel the benefit of small size ,low power and high mechanical density.

L506 has extensible interface (USB, UART, PCM, etc.) and function (Windows XP, Windows Vista, Windows 7, Windows 8, Linux, Android driver), It can be widely used for various products and equipment which have wireless network function.

4G CAT4 — LTE CAT4

USB — USB2.0

Extended Temperature Range -40°C to +85°C

FOTA*

LCC — LCC

PCM — PCM

AT — AT

GPS — GPS

Main Features

- FDD LTE:B1/B3/B7/B8
  TDD LTE:B38/B39/B40/B41
- UMTS: B1/B8
- TDSCDMA: B34/B39
- GSM: 900/1800 MHz
- LTE cat4
- AT command: 3 GPP TST27.007, 27.005
  and enhanced the AT command
- Voltage range : 3.4 ~ 4.2V (3.8V is recommended)
- Operating temperature range : -40 ~ +85℃
- Storage temperature range: -45 ~ +90℃
- Size : 30.0mmX30.0mmX2.8mm
- Package : LCC
- Weight : About 6 g

Specification for Data transfer

- LTE
  Max. 50Mbps(UL)
  Max. 150Mbps(DL)
- TD-HSDPA/HSUPA
  Max. 2.2 Mbps(UL)
  Max. 4.2 Mbps(DL)
- TD-SCDMA
  Max. 128Kbps(UL)
  Max. 384Kbps(DL)
- HSPA+
  Max. 5.76 Mbps(UL)
  Max. 42 Mbps(DL)
- UMTS
  Max. 384Kbps(UL/DL)
- EDGE Class:
  Max. 236.8Kbps(DL),Max. 236.8Kbps(UL)
- GPRS
  Max. 85.6Kbps(DL), Max. 85.6Kbps(UL)

Interfaces

- UART
- USIM (3 V / 1.8 V)
- GPIO
- USB 2.0
- ADC
- SDIO
- PCM
- SPI
- I2C
- NTELIGHT
- POWER KEY
- RESET

Other features

- USB driver for Microsoft Windows XP/
  Vista / 7/8
- USB driver for Linux/Android
- Android RIL support
- Update firmware by USB
- TCP/UDP/PPP/FTP*/FTPS*/HTTP/HTTPS/
  SMTP*/POP3*/ MMS*

Certification

- CCC*/TA*/NCC*/CE*/FCC*

LYNQ