



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.



30mm

2.8mm



LTE CAT4



USB2.0



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



FOTA*



LCC



PCM



AT



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°C
- Storage temperature range: -45 ~ +90°C
- 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*



LYNO