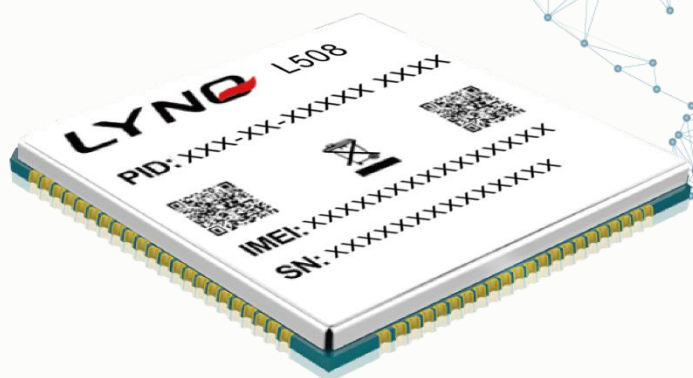


L508 Series

CAT4 module

L508 Series is CAT4 modules with rich product series and excellent reliability, occupied small area base on a new chip platform, Products are mainly used to Europe、Latin America、Domestic market, etc. CAT4 support 150Mbps downlink and 50Mbps uplink data rates. It supports FDD/TDD/WCDMA/GSM. The size of L508 Series is extremely small, it is only 30 x 30 x 2.5mm with LCC+LGA package, L508 Series is cost competitive and high integrated which make it convenient for customer to design their own application products. It can be widely used for various products and equipment which have wireless network function.



LTE CAT4



Power save



Temperature
-40°C to +85°C



Audio



LCC+LGA



AT command



2G



3G



Embedded Internet
Services Protocols

Main Features

- L508E(N)/L508LA(N)/L508C(N): RTOS
L508LE(N)/L508LLA(N)/L508LC(N): Linux
(N) for GNSS
- Support Band:
L508E(N)/L508LE(N):
FDD LTE:B1/B3/B5/B7/B8/B20/B28
TDD LTE:B38/B40/B41
UMTS: B1/B8
GSM: 900/1800 MHz
L508LA(N)/L508LLA(N):
FDD LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66
TDD LTE: B40
WCDMA: B1/B2/B4/B5/B8
GSM: B2/B3/B5/B8
L508C(N)/L508LC(N):
FDD LTE: B1/B3/B5/B8
TDD LTE: B34/B38/B39/B40/B41
WCDMA: B1/B8
GSM: 900/1800MHz
- Voltage: 3.2-4.6V(3.8V is recommended)
- Operating temperature range: -40 ~+85°C
- Storage temperature range: -45~+90°C
- Size: 30mmX30mmX2.5mm
- Package: LCC+LGA
- Weight: Approx 6g
- Support TCP/POP3/SMTP/HTTP/MMS/DTMF
/TTS/FOTA

Interfaces

- RMII
- PCIe Gen1
- AUDIO(Mic、Receiver)
- USIM
- UART
- GPIO
- USB
- SDIO
- PCM
- SPI
- I2C
- RESET
- PWRKEY
- Main Antenna
- Diversity Antenna

Data Transfer

- LTE CAT4
Max. 50Mbps(UL)
Max. 150Mbps(DL)
- HSPA+
Max. 5.76Mbps(UL)
Max. 21Mbps(DL)
- UMTS Max. 384Kbps(UL/DL)

Certification

- L508E: CE/ROHS
- L508LA(N): FCC*/PTCRB*
- L508C(N): CCC/SRRC