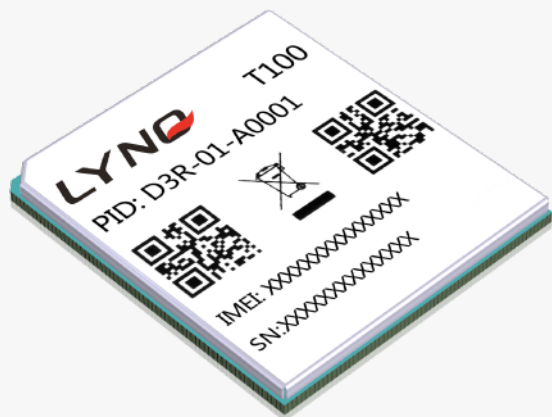




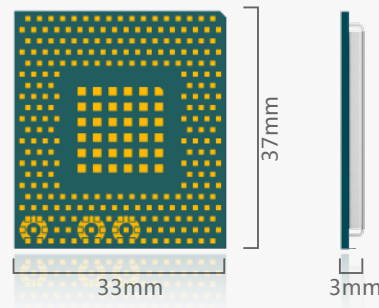
T100

LTE Automotive grade module

T100 is a automotive grade LTE module based on qualcomm MDM9628 platform. It is designed and manufactured in strict accordance with IATF16949 quality standard.

T100 is a multi-band FDD-LTE/TDD - LTE/TD-SCDMA/WCDMA/CDMA type module and completely compatible with existing EDGE and GSM/GPRS network. The size of T100 is 33 x 37 x 3 mm with LGA package, T100 has excellent protection for ESD and EMI, It is designed specifically for the automotive industry and poor working environment application scenarios.

T100 has extensible interface (USB, UART, SGMII, 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, and it is especially suitable for automotive products and related applications.



LTE CAT4



USB2.0



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



FOTA



LGA



PCM



AT Command



GPS



SGMII

Main Features

- Frequency Bands :
FDD LTE: B1/B3/B5/B8
TDD LTE: B34/B38/B39/B40/B41
UMTS: B1/B8
TDSCDMA: B34/B39
CDMA/EVDO: BC0
GSM: 900/1800 MHz
- LTE cat4
- AT command: 3 GPP TS27.007, 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 : 33.0mmX37.0mmX3.0mm
- Package : LGA
- Weight : About 8 g

Interfaces

- UART
- USIM (3 V / 1.8 V)
- GPIO
- USB 2.0
- ADC
- SD Card
- SDIO (for WIFI)
- SGMII
- PCM
- SPI
- I2C
- NTELIGHT
- POWER KEY
- RESET
- Main antenna
- Diversity antenna
- GNSS antenna

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)
- CDMA
Max. 307.2Kbps(UL/DL)
- 1xEV-DO
Max. 1.8Mbps(UL)
Max. 3.1Mbps(DL)
- EDGE Class:
Max. 236.8Kbps(DL), Max. 236.8Kbps(UL)
- GPRS
Max. 85.6Kbps(DL), Max. 85.6Kbps(UL)

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/SSL/TLS/SMTP/POP3/ MMS/MQTT
- eCall
- FOTA

