L 710
IoT module

L710 is a IoT module with excellent reliability, occupied small area base on industry-leading Qualcomm MDM9205 platform, It supports LTE CAT-M1 and CAT-NB1/NB2,GSM/GPRS.

The size of L710 is extremely small, it is only 21.5 x 25.0 x 2.4 mm with LCC package, It 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 of IoT.

NB2 NB-IoT	**CATM1** CATM1	**GSM** Quad-band
AT AT Command	Powr save	GNSS
Extended Temperature Range-40°C to +85°C	**LCC** LCC	

Main Features

- Frequency Bands :

  L710-G

  LTE CatM1&NB2: B1/B2/B3/B4/B5/B8/
  B12/B13/B18/B19/B20/
  B26/B28

  GSM/GPRS：850/900/1800/1900MHz
- GNSS: GPS/BeiDou/GLONASS/Galileo
- Support AT Command
- Voltage range：3.4 ~ 4.2V (3.8V is recommended)
- Operating temperature range：-40 ~ +85℃
- Storage temperature range：-45 ~ +90℃
- Dimensions：21.5mmX25.0mmX2.4mm
- Packaging：LCC

Specification for Data transfer

- LTE

  Rel.14 CatM1 (with larger UL TBS)

  Max. DL 588 Kbps, UL 1119 Kbps

  LTE Rel 14 CatNB1

  200 kHz monitor BW

  Max. 34/19.7 Kbps DL/single-tone UL,

  Max. 34/66.6 Kbps DL/multi-tone UL

  LTE Rel 14 CatNB2

  200 kHz monitor BW

  Max. 127/158.5 Kbps DL/UL
- GPRS

  Max. 85.6/85.6 Kbps DL/UL

Interfaces

- UART
- SIM Card(1.8V)
- SPI
- GPIO
- USB 2.0
- ADC
- I2C
- I2S
- NETLIGHT
- POWER KEY
- Main antenna
- GNSS antenna

Other features

- Update firmware by USB
- TCP/UDP/FTP/HTTP/SMTP/SSL
- MQTT/CoAP
- FOTA

Certification

- FCC/CE/*GCF/*PTCRB/*ROHS/
  *AT&T/*VERIZON