

L810-GL LTE Module

Perfect Wireless Experience

 5 Modes

 11 Frequencies

 50Mbps LTE Uplink

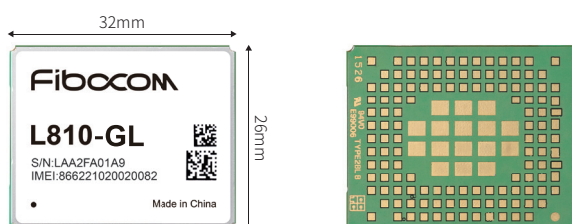
 300Mbps LTE Downlink

 Temperature Range
-40°C~+85°C

 VoLTE¹

L810-GL series are LGA-packed LTE wireless communication modules which support 5 modes (FDD-LTE/TDD-LTE/WCDMA/TD-SCDMA/GSM) and 11 bands. The modules support FDD/TDD based LTE network and the 3G fallback.

The network connection speed of L810-GL modules is up to Cat6 300Mbps for downloading and 50Mbps for uploading, which makes them suitable for the mobile network. L810-GL series can be widely used in consumer electronics, telematics, wireless payment, security, gateway etc.



Available For

- China
- Part of APAC
- Europe

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L810-GL LTE Module Technical Specifications

Product Features

- LTE FDD: Band 1,3,5,7,8,20
- LTE TDD: Band 38,39,40,41
- WCDMA: Band 1,8
- TD-SCDMA: Band 34,39
- GSM/GPRS/EDGE: 900/1800MHz
- LGA 144pin 26.0×32.0×2.0mm
- Current Consumption: 5mA@sleep mode(DRX9)
- RX Sensitivity
 - LTE FDD: -99dBm ~ -102dBm
 - LTE TDD: -99.5dBm ~ -100dBm
 - TD-SCDMA: -109.5dBm
- WCDMA: -109dBm
- GSM: -108dBm
- TX Power
 - LTE FDD: 22.5dBm
 - LTE TDD: 22.5dBm
 - WCDMA: 22.5dBm
 - TD-SCDMA: 22.5dBm
 - GSM: 900 32.5dBm
 - DCS: 1800 29.5dBm
- AT Command Set: FIBOCOM proprietary AT commands/
GSM 07.05/GSM 07.07

Data

- LTE FDD : Cat 6 (300Mbps DL, 50Mbps UL)
- LTE TDD : Cat 4 (112Mbps DL, 10Mbps UL)
- UMTS/HSPA:
 - DC-HSDPA 42Mbps(Cat24)
 - HSUPA 5.76Mbps (Cat6)
- TD-SCDMA : 2.8Mbps DL, 2.2Mbps UL
- Embedded TCP/UDP³
- GSM 3GPP release 7:
 - EDGE multi-slot class 33(296kbps DL, 236.8kbps UL)
 - GPRS multi-slot class 33 (107kbps DL, 85.6kbps UL)
- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
Cell broadcast

Interfaces

- SIM Card: 1.8V/2.8V
- 1 x USB 2.0
- 1 x USB 3.0¹
- 1 x UART
- PCM Voice
- I2C
- I2S
- EINT
- System Indicator
- A/D
- RTC
- MUX over UART1
- Multiple Profiles over USB

Drivers

- Win 8.1/10
- Android 4.2 above
- Linux 2.6.18 above

Approvals

- RoHS
- CCC
- SRRC
- NAL
- CE
- GCF²



1=Supports in future 2=In Progress 2=Only for China Smart Grid Market

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