

L810 LTE Module

Perfect Wireless Experience

 5 Modes

 11 Frequencies

 50Mbps LTE Uplink

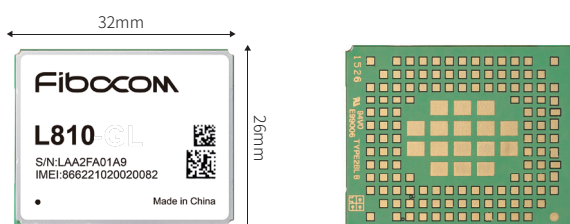
 300Mbps LTE Downlink

 Temperature Range
-40°C~+85°C

 VoLTE¹

L810 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 modules is up to Cat6 300Mbps for downloading and 50Mbps for uploading, which makes them suitable for the mobile network. L810 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 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 26.0×32.0×2.0 mm
- 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)¹
- 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

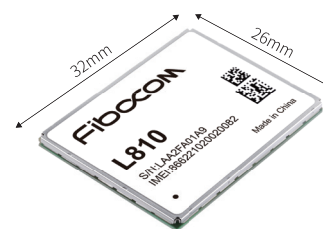
- SIM Card: 1.8V/2.8V
- 1 x USB 2.0
- 1 x USB 3.0¹
- 1 x UART
- PCM Voice
- I2C
- I2S
- EINT
- System Indicator
- A/D
- RTC
- MUX over UART1
- Multiple Profiles over USB

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 3=Only for China Smart Grid Market

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