

# LTE Module L850-GL



LTE, WCDMA

Cat9

M.2 30\*42

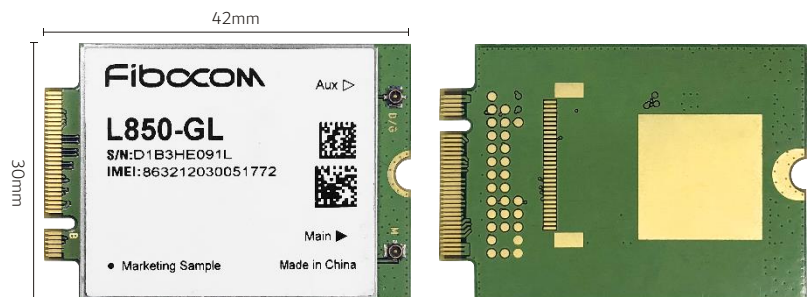
Windows, Linux, Chrome OS

The Fibocom's L850-GL is a multimode LTE & WCDMA module that provides high speed LTE connectivity, unleashing the potential of cellular technology to meet high speed bandwidth application demand.

With a rich selection of the frequency bands, L850-GL provides global mobile network coverage to facilitate product with one SKU, reduces complexity in end product configuration.

The L850-GL supports LTE network with up to 450Mbps on the downlink and 50Mbps on the uplink. It also provides fallback to WCDMA network.

The L850-GL is designed with the M.2 30\*42 form factor which is ideally suited for integration with Personal Computer (Laptop, Desktop, Tablet, etc.), IoT Gateway and Routers that run Windows, Linux and Chrome OS.



# LTE Module L850-GL



## Product Features

- LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B17, B18, B19, B20, B21, B26, B28, B29, B30, B66
- LTE TDD: B38, B39, B40, B41
- WCDMA: B1, B2, B4, B5, B8  
Maximum Transmitting Power:  
LTE: 23dBm  
WCDMA: 23.5dBm
- Receiver Sensitivity:  
LTE: -99dBm ~ -103dBm  
WCDMA: -109.5dBm ~ -111dBm
- Integrated GPS, GLONASS, BeiDou
- eSIM Support
- Body SAR
- Antenna Tuner
- Operating Voltage: 3.135V ~ 4.4V, Typical 3.3V
- Normal operating temperature: -10°C ~ +55°C
- Extended operating temperature: -20°C ~ +65°C
- Storage Temperature: -40°C ~ +85°C
- Form Factor: M.2 S3 Key-B
- Size: 30\*42\*2.3 mm

## Data

- Downlink:
  - LTE : 450Mbps (Cat9)
  - UMTS: 384Kbps
  - DC-HSPA+: 42Mbps (Cat24)
- Uplink:
  - LTE : 50Mbps (Cat4)
  - UMTS: 384Kbps
  - DC-HSPA+: 5.76Mbps (Cat6)

## Interface

- USIM
- PCIe Gen.1
- USB 3.0

## Operating System

- Windows10, Linux and Chrome OS

## Approval

- Carriers: AT&T, Verizon, Sprint, DTAG, Vodafone, Telefonica, Swisscom, DoCoMo, KDDI, Softbank, Telstra, Optus.
- Regulatory:  
IC(Canada), FCC(North America), CE(Europe), NCC(Taiwan), NAL & CCC & SRRC (China), GCF(Global), PTCRB(North America), ANATEL(Brazil), JATE & TELEC(Japan), ENACOM(Argentina), ACMA(Australia), MCIT(Azerbaijan), DWLF&M(Bahrain), TU(Barbados), MOCI(Belarus), ATT(Bolivia), BOCRA(Botswana), MPTC(Cambodia), ART(Cameroon), SUBTEL(Chile), CRC(Colombia), EAC(Russia), ARCOTEL(Ecuador), NTRA(Egypt), TAF(Fiji), ARCEP(Gabon), NCA(Ghana), CONATEL(Haiti), CONATEL(Honduras), POSTEL (SDPPI)(Indonesia), CMC(Iraq), MOC(Israel), ARTCI(Ivory Coast), SMA(Jamaica), TRC(Jordan), CA(Kenya), KC(Korea), CITRA(Kuwait), MOT(Lebanon), SIRIM(Malaysia), ICTA(Mauritius), IFETEL(Mexico), ANRCETI(Moldova), ANRT(Morocco), INCM(Mozambique), NTA(Nepal), Curacao(Netherlands Antilles), NCC(Nigeria), TRA(Oman), PTA(Pakistan), CONATEL(Paraguay), MTC(Peru), NTC(Philippine), ictQATAR(Qatar), FAC(Russia), CITC(Saudi Arabia), ARTP(Senegal), RATEL(Serbia), IMDA(Singapore), ICASA(South Africa), TRCSL(Sri Lanka), SCCOM(Swaziland), TCRA(Tanzania), NBTC(Thailand), MINCOM(Tunisia), TRA(U.A.E), UkrSEPRO(Ukraine), URSEC(Uruguay), TASHKENT(Uzbekistan), CONATEL(Venezuela), MIC(Vietnam), POTRAZ(Zimbabwe)
- Others: RoHS, Reach, HF

Note: \* = Planning / In progress

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