



L860-GL-16 LTE Module

Perfect Wireless Experience

Technical Specifications

Product Features

- LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66, B71
- LTE TDD: B34, B38, B39, B40, B41, B42, B43, B48
- WCDMA: B1, B2, B4, B5, B8
- DL 5CA on 4 bands, DL 256QAM support
- UL 2CA (Intra band) UL 64QAM Support
- DL-MIMO: 2*2, 4*2, 4*4
- DL 4x4 MIMO: B1, B2, B3, B4, B7, B25, B30, B38, B40, B41, B42, B48, B66
- LAA (Band 46)
- HPUE (Band 41)
- CBRS (Band 48)
- AT&T FirstNet (Band 14)
- Integrated GPS, GLONASS, Galileo, BeiDou, QZSS
- DSSA (Dual SIM Single Active)
- Body SAR
- Antenna Tuner
- Built-in eSIM
- Maximum Transmitting Power:
LTE: 23dBm
WCDMA: 23.5dBm
- Receiver Sensitivity:
LTE: -95.5dBm ~ -103.5dBm
WCDMA: -110dBm ~ -111.4dBm
- 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 Transmission

Downlink:

- LTE FDD : 1Gbps (Cat16)
- LTE TDD : 756Mbps (Cat16)
- UMTS: 384Kbps
- DC-HSPA+: 42Mbps (Cat24)

Uplink:

- LTE FDD : 150Mbps (Cat13)
- LTE TDD : 90Mbps (Cat13)
- UMTS: 384Kbps
- DC-HSPA+: 5.76Mbps (Cat6)

Interface

- USIM x 1
- PCIe Gen.2
- I2C x 1

Operating System

- Windows10 , Linux

Approval

- **Carriers:**
AT&T, Verizon, T-Mobile/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), JATE & TELEC(Japan), ANATEL(Brazil), ENACOM(Argentina), ACMA(Australia), MCIT(Azerbaijan), DWLF&M(Bahrain), TU(Barbados), MOCI(Belarus), ATT(Bolivia), Bocra(Botswana), AITI(Brunei), MPTC(Cambodia), ART(Cameroon), CRC(Colombia), NTRA(Egypt), TAF(Fiji), ARCEP(Gabon), NCA(Ghana), CONATEL(Honduras), POSTEL (SDPPI)(Indonesia), CMC(Iraq), ARTC(Ivory Coast), SMA(Jamaica), TRC(Jordan), CA(KENYA), KC(Korea), CITRA(Kuwait), MPTC(Laos), 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(Philippines), ictQATAR(Qatar), EAC(Russia), CITC(Saudi Arabia), ARTP(SENEGAL), RATEL(Serbia), IMDA(Singapore), ICASA(South Africa), KC(South Korea), TRCSL(Sri Lanka), SCCOM(Swaziland), TCRA(TANZANIA), NBTC(Thailand), TATT(Trinidad and Tobago), MINCOM(Tunisia), UkrSEPRO(Ukraine), TRA(U.A.E), URSEC(Uruguay), TASHKENT(Uzbekistan), CONATEL(Venezuela), MIC(Vietnam), POTRAZ(ZIMBABWE)
- **Others:**
RoHS, Reach, HF, CB, UL