Fibocom

M910-GL LPWA Module

Perfect Wireless Experience
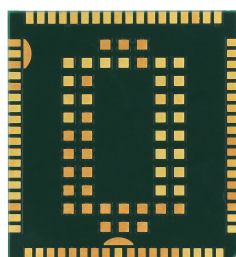
3 Modes

375kbps LTE Uplink

375kbps LTE Downlink

Temperature Range
-40℃~+85℃

M910-GL is tailored for the global IoT market. It is based on the MDM9206 chip platform and adopts LGA packages and supports GPRS/NB-IOT/eMTC. Available in 3 modes and 18 frequencies, it covers the global IOT band, and supports GNSS, VoLTE, TCP/UDP built-in protocol stack, eDRX and PSM low-power mode. With a PSM (sleep state) current consumption as low as 10uA and a working voltage 3.3V-4.3V, it is especially suitable for IoT industries with ultra-low power consumption and ultra-small size as core needs, such as smart meters, smart parking, smart home and municipal street lamps.

Fibocom
M910-GL
S/N:L9A5HY2XGK
IMEI:866857030000067
Made in China

Design for

▪ Global

完美无线体验
PERFECT WIRELESS EXPERIENCE

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M910-GL LPWA Module Technical Specifications

Product Feature

- LTE FDD: Band 1/2/3/4/5/8/12/13/18/19/20/26/28
- LTE TDD: Band 39(Cat.M1 Only)
- GPRS/EDGE: 850/900/1800/1900MHz
- LGA 27.6x25.4x2.3mm
- Operating Temperature: -30℃~+75℃
- Optional Operating Temperature：-40℃~+85℃
- Storage Temperature: -40℃~+85℃
- Operating Voltage: 3.3V~4.3V typical 3.8V

- AT Command Set: 3GPP TS 27.007 and 27.005, and proprietary FIBOCOM AT commands
- TX Power
  GSM850: 32.5 dBm±1dB
  GSM900: 32.5 dBm±1dB
  DCS1800: 29.5dBm±1dB
  PCS1900: 29.5dBm±1dB
  LTE FDD: 23.0dBm±1dB
  LTE TDD: 23.0dBm±1dB

Data

- Cat.M1: 375kbps DL/375kbps UL
- Cat.NB1: 32kbps DL/70kbps UL
- EDGE: 296Kbps DL/236.8Kbps UL
- GPRS: 107Kbps DL/85.6Kbps UL

- MUX: Basic Mode
- SMS: MO/MT Text and PDU modes
- HTTP(S*)/PPP/FTP/TCP/UDP/IPV4/IPV6
- Gobinet/NDIS
- DFOTA
- eCall*/VoLTE
- GNSS/LBS*
- eSIM
- OpenLinux*

Interface

- SIM Card: 1.8V/3.0V x 1
- USB 2.0 x 1
- UART x 2
- I2C x 1
- PCM/I2S x 1

- ADC x 1
- GPIO
- Clock
- System Indicator
- Antenna: Main/GNSS

Driver

- Linux/Android
- Win7/8/10

Approval

- CE-RED/GCF/FCC/PTCRB
- SRRC/NAL/CCC/RCM/Telstra/Verizon/AT&T

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