

# FM101-GL-12 4G Module

## Perfect Wireless Experience

V1.1

## FM101-GL-12 4G Module 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, B66, B71
- LTE TDD: B38, B39, B40, B41, B42, B43, B48(CBRS)
- WCDMA: B1, B2, B4, B5, B6, B8, B19
- HPUE: B41
- MIMO: 2x2, 4x2 DLMIMO
- Transmitting Power:  
LTE: 23/24dBm  
WCDMA: 23.5dBm
- Receiver Sensitivity:  
LTE: -98dBm ~ -101dBm  
WCDMA: -109.5dBm ~ -111dBm
- Integrated GPS, GLONASS, BeiDou, Galileo
- Assisted GNSS (A-GNSS)
- Built-in eSIM
- Body SAR
- Antenna Tuner
- Operating Voltage: 3.135V ~ 4.4V, Typical 3.3V
- Operation Temperature: -10 ~ 55°C
- Extend operation Temperature: -30~75°C
- Storage Temperature: -40 ~ +85°C
- Form Factor: M.2 Key-B
- Size: 30\*42\*2.3 mm

### Data

#### Downlink:

- LTE: 600Mbps (Cat12)
- HSDPA: 42Mbps (Cat24)

#### Uplink:

- LTE: 150Mbps (Cat13)
- HSUPA: 5.76Mbps (Cat6)

### Interface

- USIM: 3V/1.8V
- USB 2.0<sup>①</sup> & 3.0
- MIPI
- I2C

### Operating System

- Chrome OS, Windows, Linux

### Approval

- FCC, PTCRB, CE, GCF, IC, TELEC, JATE, SRRC, CCC, NAL, NCC, RCM
- RoHS, REACH, TSCA, HF
- AT&T, Verizon, T-Mobile, Vodafone, Telefonica, DTAG, Telstra, Optus, DoCoMo, KDDI, Softbank

Note:

① : USB2.0 is only used for firmware update and debugging.

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