ZTE Welink

GSM Module

MG2639_V3

For M2M Applications

LCC Form Factor	Easy to intergrate	--30℃ to +75℃
Embedded FTP Stack	Quad-band GSM/GPRS/EDGE	Ultra Compact
GPS	CCC, RoHS, CMIIT, FCC, CE	8-Wires UART
Embedded TCP/UDP Stack	ZTE Extended AT Command	OpenLink

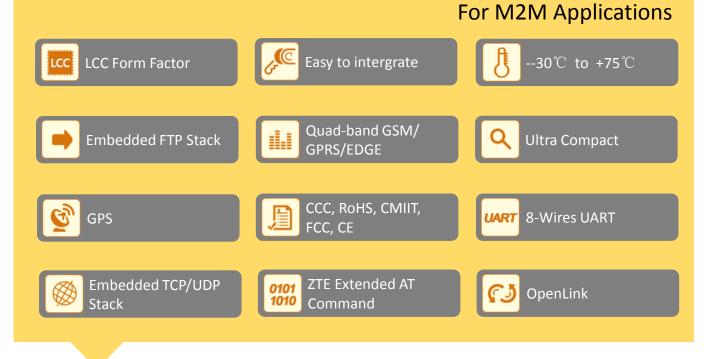**MG2639_V3** is one of the GMS modules in LCC castellation packaging with the compact size of : 30.0 mm x 25.0 mm x 3.0mm , ultra low power consumption and extended temperature range.

The tiny profile in cost optimized LCC form factor and highly integration level enable integrators and developers to easily design their applications and truly benefit from the module's small size, low power consumption and mechanical intensity. Another significant advantage of the module MG2639_V3 is low cost.
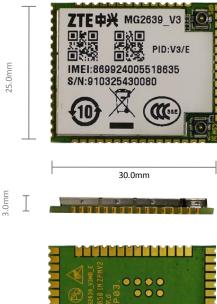
A rich set of internet protocols (TCP/UDP protocols, FTP protocol), industry-standard interfaces (UART) and abundant functions extend the applicability of the module to a wide range of M2M applications such as metering, tracking systems, security solutions, routers, wireless POS, mobile computing devices, PDAs, tablet PC and so on.

MG2639_V3 also allows the integration of automotive and other applications requiring assured extended operating temperature range and mechanical ruggedness within the ever-shrinking space inside electronic bays in trucks, automobiles, and other mobile platforms.

Welink Your Smart.

MG2639_V3

Data Features

- ☐ GSM CS: UL 42.8kbps / DL 85.6kbps
- ☐ GPRS: Multi-slot Class 10
- ☐ Mobile Station Class B

SMS Features

- ☐ Support Text and PDU mode
- ☐ Point to point MO and MT
- ☐ SMS Status Report & SMS Cell Broadcast
- ☐ Management of SMS: read, write, send, receive, delete, storage status, SMS list, new SMS alert

Interfaces

- ☐ SIM card interface (1.8/3.0V DC)
- ☐ UART interface (x2, 8-wires and 2-wires)
- ☐ MAIN & GPS Antenna (RF Connector and Pad)
- ☐ LED interface
- ☐ Reset
- ☐ GPS
- ☐ USB 1.1 Interface
- ☐ ADC*
- ☐ SPI*
- ☐ PWM*
- ☐ LCD
- ☐ Audio & PCM*
- ☐ I2C Interface
- ☐ Compatible with MG2639_V2/MC8332

General Features

- ☐ LCC Form Factor (60 Pins)
- ☐ Dimensions: 30.0 mm x 25.0 mm x 3.0mm
- ☐ Weight: approx. 7 grams
- ☐ Voltage supply range : 3.3V-4.2V (Typical is 3.8V)
- ☐ Frequency Band:
    - – GSM 850: Tx 824MHz-849MHz, Rx 869MHz-894MHz
    - – EGSM 900 : Tx 880MHz-915MHz , Rx 925MHz-960MHz
    - – DCS 1800 : Tx 1710MHz-1785MHz, Rx 1805MHz-1880MHz
    - – PCS1900 : Tx 1850MHz-1910MHz , Rx 1930MHz-1990MHz

Applications

- ☐ Support embedded TCP/IP protocols
- ☐ Support embedded UDP/IP protocols
- ☐ Support embedded FTP protocols
- ☐ Audio encoder HR/FR/EFR/ARM*
- ☐ Echo Cancellation/ Volume Control/ DTMF*
- ☐ TTS
- ☐ GPS&GLONASS *
- ☐ GPS&BD *
- ☐ MMS
- ☐ SMS
- ☐ Improved power-saving mode
- ☐ OpenLink
- ☐ HTTP (Under Development)
- ☐ LBS
- ☐ CMUX
- ☐ Support protocols PAP and CHAP used for PPP connection
- ☐ Control Via AT Commands according to 3GPP TS27.005, 27.007 and ZTEWelink extended AT commands

Electrical & Sensitivity

- ☐ Transmit Power:
    - – GSM850/EGSM900: Class 4 (2W)
    - – DCS1800/PCS1900: Class 1 (1W)
- ☐ Receiving sensitivity:
    - – GSM850/EGSM900 : <-107dBm
    - – /DCS1800/PCS1900 : <-106dBm
- ☐ Power Consumption:
    - – Standby (Typical): about 24mA@ RX:-75dBm
    - – Sleep current: about 2mA
    - – Call current: about 128mA@ RX:-75dBm
    - – Max current: about 300mA@RX:-104dBm

Environmental

- ☐ Operation temperature: -35° C to +75° C
- ☐ Extremely working temperature: : -40° C to +85° C
- ☐ Storage temperature: -40° C to +85° C

Approvals & Certifications

- ☐ CCC, RoHS, CMIIT, FCC, CE

* stands for Optional.

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