

For M2M Applications



LCC Form Factor



Easy to integrate



-30°C to +75°C



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

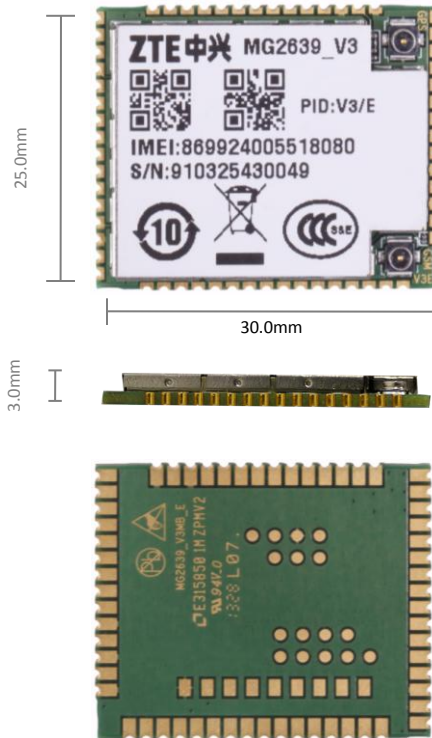
MG2639_V3 is one of the GSM modules in LCC castellation packaging with the compact size of : 30.0 mm x 25.0 mm x 3.0mm , ultra low power consumption and extended temperature range.

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.





General Features

- ❑ LCC Form Factor (60 Pins)
 - Compatible with MC8332
- ❑ Dimensions: 30.0 mm x 25.0 mm x 3.0 mm
- ❑ Weight: approx. 7 grams
- ❑ Frequency Band:
 - GSM 850/EGSM 900/DCS 1800/PCS1900
- ❑ GNSS
 - GPS*
 - Beidou*

Electrical & Sensitivity

- ❑ Transmit Power:
 - GSM850/GSM900: 33 ± 2dBm (Class 4)
 - DCS1800/PCS1900: 30 ± 2dBm(Class 1)
- ❑ Receiving sensitivity:
 - GSM850/EGSM900: <-107 dBm
 - DCS1800/PCS1900 : <-106 dBm
- ❑ Power Supply
 - 3.3~4.2V (3.8V is recommended)
- ❑ Power Consumption:
 - Sleep : 2 mA (Typical)
 - Idle: 24mA @ RX:-75 dBm (Typical)
 - Max Call current: 300 mA@RX:-104 dBm (Typical)

Environmental

- ❑ Operation temperature: -35° C to +75° C
 - Extremely working temperature: : -40° C to +85° C
- ❑ Storage temperature: -40° C to +85° C
- ❑ Humidity: 5% ~ 95%

Data Features

- ❑ GPRS
 - Uplink 42.8kbps / Downlink 85.6kbps
 - GPRS Multi-slot Class 10
 - GPRS Mobile Station Class B

SMS Features

- ❑ Support Text and PDU mode
- ❑ Point to point MO and MT
- ❑ SMS Status Report
- ❑ SMS centre address setting
- ❑ Management of SMS

Interfaces

- ❑ UART 1 (8-wires)
- ❑ UART 2 (2-wires)
- ❑ USB 1.1 Interface (download)
- ❑ GPS UART (2-wires)
- ❑ SIM card (1.8/3.0V)
- ❑ Antenna
 - GSM and GPS
 - RF Connector and Pad
- ❑ Audio & PCM
- ❑ Power on/Reset
- ❑ LED Indication
- ❑ ADC
- ❑ I2C
- ❑ SPI*
- ❑ PWM*

Software Feature

- ❑ Support embedded TCP/IP protocols
- ❑ Support embedded UDP/IP protocols
- ❑ Support embedded FTP protocols
- ❑ Support protocols PAP and CHAP for PPP connection
- ❑ Audio encoder HR/FR/EFR/AMR
- ❑ Echo Cancellation/ Volume Control
- ❑ DTMF*
- ❑ TTS
- ❑ MMS
- ❑ SMS
- ❑ LBS *
- ❑ Control Via AT Commands according to 3GPP TS27.005, 27.007 and ZTEWelink extended AT commands
- ❑ CMUX
- ❑ ZTE OpenLink *

Approvals & Certifications

- ❑ CE
- ❑ FCC
- ❑ CCC
- ❑ CMIIT
- ❑ CTA
- ❑ RoHS

* stands for Optional.