

MG2618

For M2M Applications



LCC Form Factor



Easy to integrate



Ultra Compact



Embedded FTP Stack



Quad-band GSM*



-35°C to +75°C



Embedded TCP/UDP Stack



8-Wires UART



GPS*



ZTE Extended AT Command



TTS *



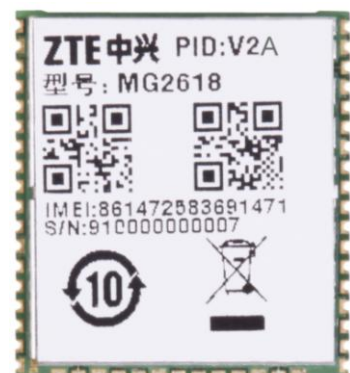
Analog Audio*

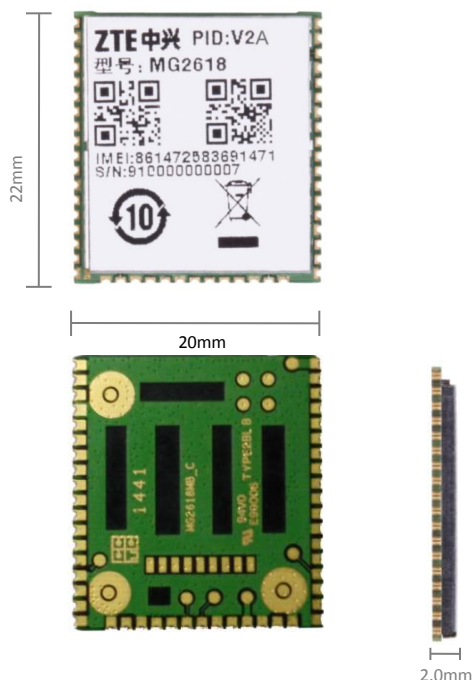
MG2618 family is one of the GSM modules in LCC castellation packaging with the compact size of 20.0 mm x 22.0 mm x 2.0 mm, ultra low power consumption and extended temperature range.

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 family MG2618 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.

MG2618 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 (49pin)
- Dimensions: 20.0 mm x 22.0 mm x 2.0mm
- Weight: approx. 1.9 grams
- Frequency Band:
 - GSM 850/EGSM 900/DCS 1800/PCS1900
- GNSS
 - GPS*

Electrical & Sensitivity

- Transmit Power:
 - GSM850/GSM900: 33 ± 2 dBm (Class 4)
 - DCS1800/PCS1900: 30 ± 2 dBm(Class 1)
- Receiving sensitivity:
 - GSM850/GSM900: < -108 dBm
 - DCS1800/PCS1900: < -106 dBm
- Power Supply :
 - 3.3V~ 4.25V (3.8V is recommended)
- Power Consumption:
 - Sleep : 2.4 mA @ Max. Power, GPS off (Typical)
 - Idle : 22mA @ Max. Power, GPS off (Typical)
 - Call : 80mA @ Max. Power, GPS off (Typical)

MG2618 Series

No.	PID	Band	GPS
1	V2A	GSM 900/1800	NA
2	V2B	GSM 850/900/1800/1900	NA
3	V2C	GSM 850/900/1800/1900	Support

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 (8-wires)
- USB interface (USB 1.1)
- SIM card interface (1.8/3.0V DC)
- ADC Interface
- I2C Interface
- LED Indication
- Antenna (GSM and GPS, Pads)
- Analog Audio
- Power-on & Power-off & Reset

Software Features

- Support embedded TCP & UDP protocols
- Support embedded FTP protocols
- Network & Band & SIM Lock
- Control Via AT Commands
- TTS (Text to Speech)
- Voice Recording function
- DTMF
- SMS
- LBS*
- Openlink
- Improved power-saving mode

Driver & Tools

- Diag-log Tool for Windows
- Firmware Update Tool

Environmental

- Operating temperature: -35° C to $+75^{\circ}$ C
 - Extremely Operating temperature: -40° C to $+85^{\circ}$ C
- Storage temperature: -50° C to $+90^{\circ}$ C
- Humidity: 5% ~ 95%

Approvals & Certifications

- CE
- FCC
- CCC
- CMIIT
- CTA

* stands for Optional.