GOSUNCN

GSM/GPRS Module

MG2609

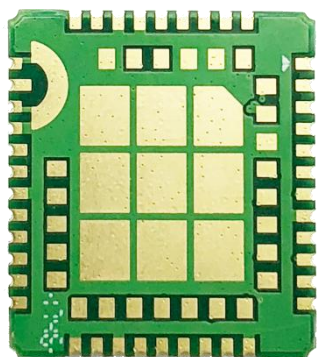|		
LGA Form Factor	Easy to integrate	Ultra Compact
Audio	Quad-band	-40℃ to +85℃
AT Command	UART	GNSS

For M2M Applications

MG2609 is designed to provide customers with coverage on the connectivity of GSM&GPRS with LGA interface. It supports Quad-band (900/1800MHz+ 850/1900MHz), and GPS/Beidou/GLONASS/Galileo/QZSS/SBAS, which make unlimited possibilities for wireless access and location-related IoT applications.

MG2609 has already embedded TCP UDP PPP HTTPS SSL protocols, and the supported AT commands make the use of internet protocol more easily.

MG2609 can be widely used in all kinds of M2M applications, such as Shared bicycle, Intelligent lock, shared payment, GPS positioning system, industrial wireless control, remote monitoring / measurement and control system, intelligent transportation, mobile POS machine and so on.

GOSUNCN Wi WeLink insight™

Model:MG2609 PID:XXX

GPRS Module

IMEI: XXXXXXXXXXXXX
S/N: XXXXXXXXXXXXX

GOSUNCNWELINK TECHNOLOGY CO., LTD.

Wi WeLink insight™

Welink Your Smart.

GSM/GPRS Module

MG2609

Model:MG2609   PID:XXX

GPRS Module

IMEI: XXXXXXXXXXXX
S/N: XXXXXXXXXXXX

GOSUNCNWELINK TECHNOLOGY CO., LTD.

RF Characteristic

☐ Transmit Power:
  – Class 4 (2W)：GSM850 and GSM900
  – Class 1 (1W)：DCS1800 and PCS1900

Electrical

☐ Power supply:
  – 3.3V ~ 4.4V (3.8V is recommended)
☐ Power consumption:

Test condition		Current
Shutdown leakage current		195 μA
Standby current	DRX = 2	1.72 mA
	DRX = 5	1.46 mA
	DRX = 9	1.33 mA
Flight mode	AT+CFUN=4	1.196 mA
Minimum funciton mode	AT+CFUN=0	1.063 mA
GPRS data mode(2 receive, 2 send)	GSM850	281.6 mA
	EGSM900	315.9 mA
	DCS1800	208.7 mA
	PCS1900	195.6 mA

General Features

☐ LGA interface   77Pins
☐ Network Type   GSM/GPRS
☐ Dimensions   17.6mm x 15.7mm x 2.3mm
☐ Frequency Band：
  – GSM850/GSM900/DCS1800/PCS1900

GPS Characteristic

☐ Support GPS/Beidou/GLONASS/Galileo/QZSS/SBAS
☐ GPS sensitivity
  -- Cold start: -148dBm
  -- Warm Start: -162dBm
☐ GPS Transmit Power
  -- Class 4 (2W)：GSM850 and GSM900
  -- Class 1 (1W)：DCS1800 and PCS1900

Interfaces

☐ SIM interface (3V/ 1.8V)
☐ UART
☐ GPIO
☐ I2C
☐ SPI
☐ ADC
☐ Antenna（RF antenna PAD）
☐ Audio

Environmental

☐ Operation temperature：-40 ℃ ~ 85 ℃
☐ Storage temperature：-45 ℃ ~ 90 ℃

Applications

☐ SMS: TEXT & PDU
☐ Support embedded TCP/UDP/PPP
☐ Record and broadcast
☐ Call
☐ GPS

Notes: The pictures are just for reference, please in kind prevail.