

MeiG-SLM323

LTE Cat 1 Module

Support BT &GNSS& Wi-Fi Scan (optional)



SLM323 is a new generation LTE Cat.1 cellular module launched by MeiG Smart. It supports the maximum downlink rate of 10Mbps and the maximum uplink rate of 5 Mbps. The smaller package size of 22.9*23.9*2.4mm is convenient for customers' design requirements, and its rich pin definitions also satisfy customers' needs of multimedia and open development.

SLM323 series modules include: SLM323-C, SLM323-E, SLM320-L

SLM323 has rich network protocols built-in (TCP, UDP, MQTT, FTP/FTPS, HTTP/HTTPS, LWM2M, CoAp), integrates multiple industry standard interfaces, supports rich peripheral expansion, greatly expanding the application scope of M2M. It can be applied to industrial meters, sharing equipment, financial POS, Tracker, public network POC and other products.

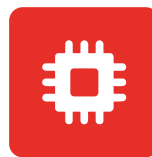
SLM323 Access Rates:

TDD-LTE: 8Mbps/2Mbps

FDD-LTE: 10Mbps/5Mbps

Main Advantages

- ✓ Support LTE Cat 1, Max DL: 10Mbps
- ✓ Support TD-LTE & FDD-LTE CAT1
- ✓ Support BT4.2/BLE4.2, Wi-Fi Scan
- ✓ Support FOTA remote upgrade (optional)
- ✓ Support GPS/BD/GLONASS (optional)
- ✓ Rich multimedia interface to meet the needs of intelligent scenes
- ✓ High cost-performance



ARM Cortex-A5
500MHz



Cat1
10Mbps(DL)
5Mbps(UL)



BT 4.2
BR/EDR



LGA



WIFI Scan



USB2.0

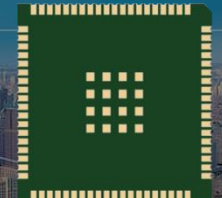


TCP/UDP

MeiG-SLM323

LTE Cat 1 Module

Support BT&GNSS & Wi-Fi



General Features:

- Package:
LGA 16Pin + LCC 76Pin
- Size:
22.9*23.9*2.4 mm

Drivers & Tools

- Drivers: Windows, Linux 2.6+,
Android 4.0+
- Tools: One-click upgrade tool
- FOTA upgrade

Certifications:

CCC/SRRC*/CTA*/CE*

* means under developing

Frequency Band

SLM323-C (China):

LTE FDD: B1/B3/B5/B8
TD-LTE: B34/B38/B39/B40/B41

SLM323-E (Europe & Asia) *:

LTE FDD: B1/B3/B5/B7/B8/B20
TD-LTE: B38/B40/B41
GSM: B2/B3/B5/B8

Module Interfaces

- 1xUSB 2.0
- 2xUART
- 2xI2C
- 1xI2S
- 3xSPI
- WAKEUP-IN
- Power On/Off, Reset
- Fly Mode
- 2xSIM card (1.8 / 3.0V)
- Antenna: Main antenna,
BT/Wi-Fi antenna

Module Rate:

LTE FDD (Non-CA CAT 1): Max
10Mbps(DL)/5Mbps(UL)
TD-LTE (Non-CA CAT 1): Max
8Mbps(DL)/2Mbps(UL)

Electricity Features

- 3uA@Poweroff
- 8uA@PSM
- 20mA@idle
- Power supply voltage:
3.5V~4.35V, typical value 3.8V

Transmit power

Class 3 for TD-LTE:
23±2.7dBm
Class 3 for LTE FDD:
23±2.7dBm

Environmental Features

- Working Temperature: -30°C
to 75°C
- Storage Temperature: -40°C to
85°C
- Humidity: 5%~95%

Protocols

TCP、UDP、MQTT、FTP/FTPS、
HTTP/HTTPS、LWM2M、CoAp