



MeiG Smart SLM322 Module

LTE Cat.1 Module
Support BT & Wi-Fi Scan

SLM322 is a new generation LTE Cat.1 bis cellular module launched by MeiG Smart. This module supports the maximum downlink rate of 10Mbps and the maximum uplink rate of 5 Mbps. The smaller package size of 22.9x23.9x2.4mm is convenient for customers' design requirements, and its rich pin definitions also satisfy customers' needs of multimedia and open development.

SLM322 series modules include : SLM322-C、SLM322-E.

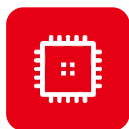
SLM322 has rich embedded network protocols (TCP, UDP, MQTT, FTP/FTPS, HTTP/HTTPS, LWM2M, Coap), integrates multiple industry standard interfaces, supports rich peripheral interfaces, greatly expanding the application scope of M2M. It can be applied to industrial meters, shared equipment, financial POS, Tracker, public network POC and other products.

Main Advantages:

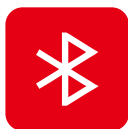
- Support LTE Cat.1, Max DL: 10Mbps
- Support TD-LTE & FDD-LTE Cat.1
- Support BT4.2/BLE4.2, Wi-Fi Scan (Optional)
- Support FOTA remote upgrade
- Rich multimedia interface to meet the needs of intelligent scenes
- High cost performance



Cat.1
10Mbps(DL)
5Mbps(UL)



ARM Cortex
A5 500MHz



BT 4.2
BR/EDR



LCC+LGA



Wi-Fi Scan



TCP/UDP



USB2.0

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MEIG

General Features:

- Package: LGA 16Pin + LCC 76Pin
- Size: 22.9×23.9×2.4mm
- Weight: About 5g

Module Rate:

- LTE-FDD (Non-CA Cat.1):
Max 10Mbps(DL)/5Mbps(UL)
- LTE-TDD (Non-CA Cat.1):
Max 8Mbps(DL)/2Mbps(UL)

Drives & Tools:

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

Temperature and Humidity:

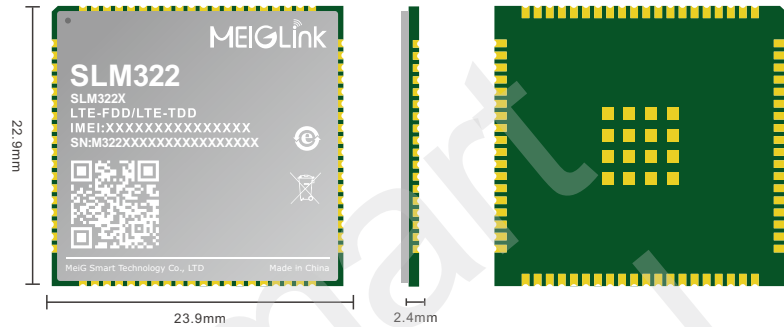
- Operation Temperature: -30°C to 70°C
- Storage Temperature: -40°C to 85°C
- Humidity: 5%~95%

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

Certifications:

- CCC/SRRC/CTA/CE*



SLM322 Access Rates:

- LTE-TDD: 8Mbps/2Mbps
- LTE-FDD: 10Mbps/5Mbps

Transmission Power:

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

Protocols:

- TCP/UDP/MQTT/FTP/FTPS/HTTP/HTTPS/LWM2M/Coap

Electricity Features:

- 10uA@shutdown(TBD)
- 2mA@sleep(TBD)
- 20mA@idle(TBD)
- Power supply voltage 3.5V~4.2V, typical value 3.8V

SLM322 Band Information:

SLM322-C (China):
LTE-FDD: B1/B3/B5/B8
LTE-TDD: B34/38/B39/B40/B41

SLM322-E (Europe & Asia) *:
LTE-FDD: B1/B3/B5/B7/B8/B20
LTE-TDD: B38/B40/B41
GSM: B2/B3/B5/B8

Remarks: *means it is still in planning and design.

