



MeiG Smart SLM320 Module

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

MeiG Smart SLM320 is a new generation of LTE Cat.1 wireless communication module launched by MeiG Smart. Its package is compatible with various multi-network standard data transmission modules of MeiG Smart, such as SLM730, SLM750, SLM790, etc. It integrates BT4.2 and Wi-Fi Scan functions, GPS/Beidou/Glonass optional configuration, SMD SIM card optional configuration, and expandable SPI flash configuration. It also adopts Mini PCIe package to make it as an ideal solution for different applications.

SLM320 module series support the configuration of the following areas: SLM320-C, SLM320-E, SLM320-LA.

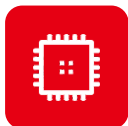
SLM320 has a rich set of protocols including TCP, UDP, MQTT, FTP/FTPS, HTTP/HTTPS, LW M2M, CoAP. It integrates multiple industrial standard interfaces, and supports rich peripheral expansion. Therefore, it greatly expands the scope of its applications in M2M. It can be applied in industrial meters, equipment sharing, security monitoring, financial POS, tracker, etc.

Core Advantages:

- Support LTE Cat.1 with a maximum Downlink rate of 10 Mbps
- Support full coverage of GSM/GPRS/LTE Cat.1 network system
- Support BT4.2 and Wi-Fi Scan
- Support GPS/BD/GLonass
- Support FOTA remote upgrade



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



ARM Cortex
A5 500MHz



BT 4.2
BR/EDR



LCC+LGA



Wi-Fi Scan



GPS+BeiDou
GLONASS



TCP/UDP



USB2.0

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General Features:

- Package: LCC (LCC80pin+LGA64pin)
- Size: 32.0×29.0×2.4mm
- 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)
- GPRS:Max 85.6kbps(DL)/85.6kbps(UL)

Drives & Tools:

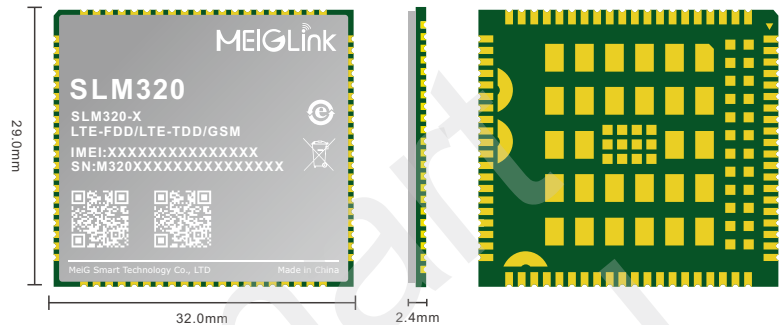
- Drives: Window series, Linux 2.6 and above, Android 4.0
- Tools: One-click upgrade tool
- FOTA upgrade

Module Interfaces:

- High-speed USB 2.0
- 3xUART
- 3xI2C
- 1xI2S
- 2xSDIO
- 2xSPI
- WAKEUP-IN & WAKEUP-OUT
- Power On/Off, Reset
- Fly Mode
- LED indicator light
- SIM card interface (1.8 / 3.0V)
- Antenna Interface : main antenna, BT/Wi-Fi antenna, GPS antenna

Certifications:

- CCC/SRRC*/CTA*/CE*



Transmission Power:

- Class 4 for GSM850/900:33±2dBm
- Class 1 for GSM1800/1900:30±2dBm
- Class 3 for LTE-TDD:23±2.7dBm
- Class 3 for LTE-FDD:23±2.7dBm

Protocols:

- TCP,UDP,MQTT,FTP/FTPS,HTTP/HTTPS,LW M2M,CoAP

Temperature and Humidity:

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

Electrical Characteristics:

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

SLM320 Band Information:

SLM320-C (China):
 LTE-FDD:B1/B3/B5/B8
 LTE-TDD:B34/38/B39/B40/B41
 GSM:B3/B5/B8

SLM320-E (Eurasian):
 LTE-FDD:B1/B3/B5/B7/B8/B20
 LTE-TDD:B38/B40/B41
 GSM: B2/B3/B5/B8

SLM320-LA (Latin America):
 LTE-FDD:B1/B3/B5/B7/B8/B28
 LTE-TDD:B40
 GSM:B2/B3/B5/B8

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

