



# MeiG Smart SLM820 Module

## M.2 Packaging

MeiG Smart The SLM820 is a new generation LTE-A wireless module, supports LTE Cat.6/Cat.12/Cat.16 up to 1Gbps data transfer, rich of Internet protocols, and industry-standard interfaces and abundant functionalities. It is Multi-Band LTE-FDD module solution in a M.2 type.

It has strong extension capability with rich interfaces including PCIe, USB3.0, GPIO etc. The module provides much flexibility and ease of integration for customer's application.

It is designed for applications that need high throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for many applications.

### Key Technologies:

- SLM820 has a maximum downlink rate of 1Gbps and a maximum upstream rate of 100Mbps.
- Support DL 2CA, 3CA, 4CA
- Qualcomm® IZat™ Gen 8C engine, Support GPS/GLONASS/BeiDou
- Support SRLTE/CSFB/VOLTE (optional)
- USB3.0 High Speed Interface
- TCP/IP Embedded Protocol Stacks



LTE-A



PCM



CA supported



MIMO



USB Port



GNSS

Embedded  
TCP/IP

-40°C-85°C

# MeiG Smart SRM820 Module

M.2 Packaging

MEIG 美格

Stock Code:002881

INTERNET OF THINGS

## General Features:

- Package: M.2 Package
- Size: 42.0×30.0×2.3mm
- Weight: About 15g

## Specifications for data:

- LTE-FDD up to 1Gbps DL, 100 Mbps UL

## Band Configuration:

- LTE-FDD Band: B1/B3/B5/B7/B8/B20/B28/B66
- TDD-LTE Band: B38/B40/B41
- WCDMA Band: B1/B5/B8

## DL 2CA:

- B1+B3/B5/B7/B8/B20/B28/B38/B40/B41
- B3+B5/B7/B8/B20/B28/B38/B40/B41
- B5+B7/B66/B40
- B7+B8/B20/B28/B40/B41
- B20+B38/B40

## DL 3CA:

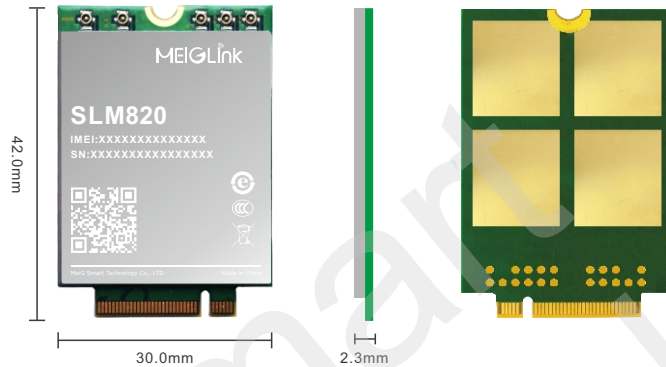
- |              |              |
|--------------|--------------|
| CA_3C-1A     | CA_3A-40C    |
| CA_3C-7A     | CA_3A-38C    |
| CA_3C-20A    | CA_1A-8A-40A |
| CA_3C-28A    | CA_1A-7A-8A  |
| CA_3A-7C     | CA_1A-7A-7A  |
| CA_7C-28A    | CA_1A-5A-7A  |
| CA_66C-5A    | CA_1A-5A-40A |
| CA_3A-7A-8A  | CA_1A-41C    |
| CA_3A-7A-7A  | CA_1A-3A-7A  |
| CA_3A-5A-7A  | CA_1A-3A-41A |
| CA_3A-5A-40A | CA_1A-3A-40A |
| CA_3A-41C    |              |

## DL 4CA:

- |                 |                |
|-----------------|----------------|
| CA_1A-3A-5A-7A  | CA_3A-5A-7A-7A |
| CA_1A-3A-5A-40A | CA_3A-7A-7A-8A |
| CA_1A-3A-7A-7A  | CA_3C-7C       |
| CA_1A-3A-7A-8A  | CA_1A-3A-7C    |
| CA_1A-3A-7A-20A | CA_1A-3C-7A    |
| CA_1A-5A-7A-7A  |                |

## Authentication information\*:

- CCC/SRRC/CTA/CE/FCC/ROHS



## UL CA (continuous intra-band only):

- B3+3
- B41+41

## Transmit Power:

- Class 3 (23 dBm ±2 dB) for LTE-FDD bands
- Class 3 (23 dBm ±2 dB) for LTE-TDD bands
- Class 3 (24 dBm +1/-3 dB) for WCDMA

## Protocols:

- TCP/UDP/HTTP(S)/SSL/FTP/PPP/PING/DTMF/QMI

## Working Environment:

- Restrict Working Temperature : -40°C to 85°C
- Storage Temperature: -45°C to 90°C
- Humidity: 5%~95%

## Drivers & Tools:

- Drivers : Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Linux, Android
- Tools: One Click update tool, Gobinet Dial Tool
- FOTA Update

## Interfaces:

- High speed USB 3.0
- High speed USB 2.0
- Reset
- UART \*3
- SIM card Interface (1.8 / 3.0V)
- Antenna Interface: Main/Diversity/GNSS (Optional)
- I2C\*1
- LED indicator
- PCM\*1
- WAKEUP-IN & WAKEUP-OUT
- Fly Mode

