








# MeiG Smart SLM770A-M2 Module

## LTE Cat.4 Module With M.2 Packaging

SLM770A is the latest LTE Cat.4 wireless communication module launched by MeiG Smart Technology Co., Ltd, which supports the maximum downlink rate of 150Mbps and uplink rate of 50Mbps. It is compatible with existing 3G and 2G networks to ensure network communication even in remote areas.

SLM770A module support diversity reception and MIMO technology, optimize the speed of data transmission and improve the communication quality. Support the sliding NCM/PPP/ECM/TCP/UDP/DTSL /HTTP(S)/FTP(S)/MQTT(S) dialing a variety of ways and built-in network protocol. Integrated UART/I2C/PCM/ SPI/SDIO and other rich hardware interface. Widely used in industrial routing, security monitoring, CPE, vehicle DVR, sharing and other field.

### Product Features:

-  Covers LTE-FDD/LTE-TDD/WCDMA/EDGE/GPRS/GSM networks
-  Supports TCP/UDP/DTLS/HTTP(S)/FTP/MQTT and other built-in protocol stack functions
-  Support variety of voice coding (HR/FR/EFR/AMR/AMR-WB), support SRLTE/CSFB/VOLTE
-  Supports high-speed USB2.0 interfaces
-  Commonly used M.2 package interface, strong versatility, release users to the traditional industry products quickly access the network



LTE



UART



USB Port



MIMO



Embedded TCP/IP



-30°C-75°C

# MeiG Smart SLM770A-M2 Module

LTE Cat.4 Module With M.2 Packaging

## General Features:

- ❑ Packaging: M.2 (key B)
- ❑ Size: 42.0×30.0×3.55mm(±0.1mm)
- ❑ Weight: < 6g

## Module Rate(MAX):

- ❑ LTE-FDD (Cat.4): Max 150Mbps(DL)/50Mbps(UL)
- ❑ LTE-TDD (Cat.4): Max 130Mbps(DL)/35Mbps(UL)
- ❑ DC-HSPA+: Max 42Mbps(DL)/5.76Mbps(UL)
- ❑ WCDMA: Max 384kbps(DL)/384kbps(UL)
- ❑ EDGE: Max 236.8kbps(DL)/236.8kbps(UL)
- ❑ GPRS: Max 85.6kbps(DL)/85.6kbps(UL)

## Drivers & Tools:

- ❑ Drivers: Window series, Linux 2.6 or above, Android 4.0 or above
- ❑ Tools: One-click upgrade tool
- ❑ Upgrade: USB/FOTA upgrade

## Protocols:

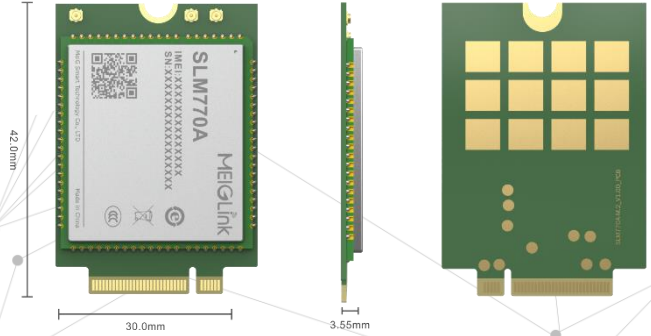
- ❑ PPP/ECM/TCP/UDP/DTLS/HTTP(S)/FTP/MQTT(S)

## Interfaces:

- ❑ USB2.0 1
- ❑ SIM Card interface (1.8 / 3.0V)
- ❑ UART
- ❑ Antenna interface: Master/Diversity(optional)/GNSS (optional)

## Certification:

- ❑ CCC/CTA/SRRC/CE/FCC/RCM/Anatel\*



## Working Environment:

- ❑ Temperature range: -30°C~+75°C
- ❑ Storage Temperature: -45°C ~ +90°C
- ❑ Humidity: 5%~95%

## Transmission Power:

- ❑ GSM850/900 33±2dBm, GSM1800/1900 30±2dBm, WCDMA/HSPA 23+1/-3dBm, LTE-TDD 23±2.7dBm, LTE-FDD 23±2.7dBm

## Electrical Characteristics:

- ❑ 10uA@shutdown
- ❑ 5mA@sleep
- ❑ 30mA@free
- ❑ Supply voltage:3.3V~4.2V, typical value 3.8V

## Band Description of SLM770A-M2:

PID	Frequencies	RX Diversity	GNSS
SLM770A-CN-M2	LTE-FDD:B1/B3/B5/B8 LTE-TDD:B34/B38/B39/B40/B41 WCDMA:B1/B8 GSM:900/1800	Support	Optional
SLM770A-CE-M2	LTE-FDD:B1/B3/B5/B7/B8/B20/B28 LTE-TDD:B38/B40/B41 WCDMA:B1/B8 GSM:900/1800	Support	Optional
SLM770A-SA-M2	LTE FDD:B1/2/3/4/5/7/8/28/66 LTE TDD:B40 WCDMA:B1/2/4/5/8 GSM:850/900/1800/1900	support	No support

Remarks: \*In research and development.

**MeiG Smart Technology Co.,Ltd**  
A Global Leading Supplier of Cellular Modules and Solutions

Add: 32/F, Building B, Shenzhen International Innovation Center, No.1006 Shennan Avenue, Futian District, Shenzhen, China

E-mail: ir@meigsmart.com  
Tel: +86-755-83218588

Fax: +86-755-83219788  
Web: www.meigsmart.com



MeiG Official Wechat QR Code