

MeiG Smart SLM750 R2.0 Module

LTE Cat.4 Module With LCC Packaging

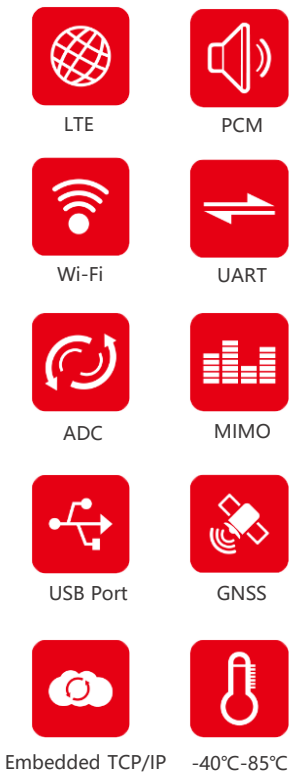
MeiG Smart SLM750 series of 4G M2M modules are designed to provide customers with wireless communication service. It covers three operators' network in domestic and the main operator's network of the world. It delivers maximum 150Mbps-DL and 50Mbps-UL data rates on LTE networks, and has backward compatibility with 3G and 2G networks to ensure that network communication is working in remote areas.

Rx diversity and MIMO technology is provided to improve communication quality and optimize data transmission rate; high-sensitivity GNSS function is also provided. This series of modules support SDIO, RGMII, SPI, multi-channel UART and other interfaces, also support peripherals like Wi-Fi module, Ethernet port, positioning module, Bluetooth module.

A rich set of protocols (TCP/FTP/HTTP) and multiple OS compatibility extend the applicability of the module to a wide range of M2M applications.

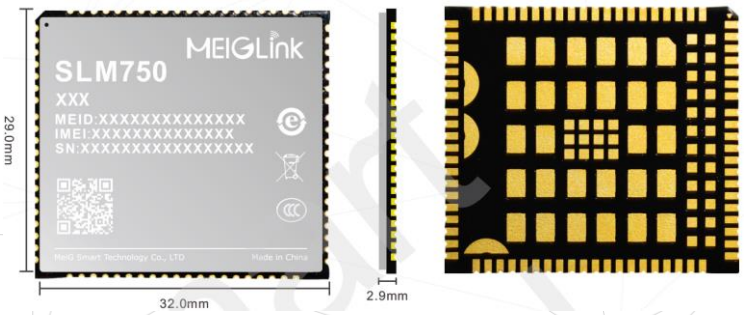
Key Technologies:

- Cover LTE-FDD/LTE-TDD/WCDMA/EDGE/GPRS/GSM networks
- Qualcomm® IZat™ Gen 8C engine,
  Support GPS/GLONASS/BeiDou//Galileo
- Supports 2-channel SDIO interface, Wi-Fi module peripherals
- Support Voice Codec (HR/FR/EFR/AMR/AMR-WB),
  Support SRLTE/CSFB/VOLTE (optional)
- USB2.0 High Speed Interface
- Rx Diversity and MIMO Technology
- TCP/IP Embedded Protocol Stacks



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General Features:

- Package: LCC (80pin+LGA 64pin)
- Size: 32.0×29.0×2.9mm
- Weight: About 5g

Data Features:

- 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: 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 2.0
- UART×4
- SIM card Interface(1.8 / 3.0V)
- Antenna InterfaceJMain/Diversity/GNSS(Optional)
- I2C×1
- WAKEUP-IN & WAKEUP-OUT
- Power On/Off, Reset
- SGMII X 1
- 2xSDIO
- 2xADC
- LED indicator
- PCMx1
- RESETx1
- Power Keyx1

Authentication information:

- CCC/SRRC/CTA/CE/FCC/ROHS/KC/JATE/TELEC/ANATEL NBTC/NOM/NCC/RCM/GCF/PTCRB
- KDDI/Softbank/Docomo/Verizon*/AT&T*

Transmit Power:

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

Protocols:

- TCP/UDP/HTTP/FTP/PPP/PING/DTMF/QMI/MQTT/SSL

Working Environment:

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

Band Description of SLM750:

PID	Frequencies	RX Diversity	GNSS	PCM/ Analog voice
SLM750-VC	LTE-FDD:B1/3/5/8 LTE-TDD:B38/39/40/41 WCDMA:B1/8 GSM:900/1800	Yes/Optional	Yes/Optional	Yes/Optional
SLM750-VE	LTE-FDD:B1/3/5/7/8/20 LTE-TDD:B40 WCDMA:B1/5/8 GSM:900/1800	Yes/Optional	Yes/Optional	Yes/Optional
SLM750-VA	LTE-FDD:B2/4/5/12/13/17/25/26 LTE-TDD:B41 WCDMA:B2/4/5 GSM:850/1900	Yes/Optional	Yes/Optional	Yes/Optional
SLM750-VAU	LTE-FDD:B1/3/5/7/8/28 LTE-TDD:B40 WCDMA:B1/5/8 GSM:850/900/1800	Yes/Optional	Yes/Optional	Yes/Optional
SLM750-VSA	LTE-FDD:B2/4/5/7/8/28 LTE-TDD:B40 WCDMA:B2/5/8 GSM:850/900/1900	Yes/Optional	Yes/Optional	Yes/Optional
SLM750-VJ	LTE-FDD:B1/3/8/18/19/26 LTE-TDD:B41 WCDMA:B1/6/8/19	Yes/Optional	Yes/Optional	Yes/Optional

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