



MeiG Smart SLM750 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.

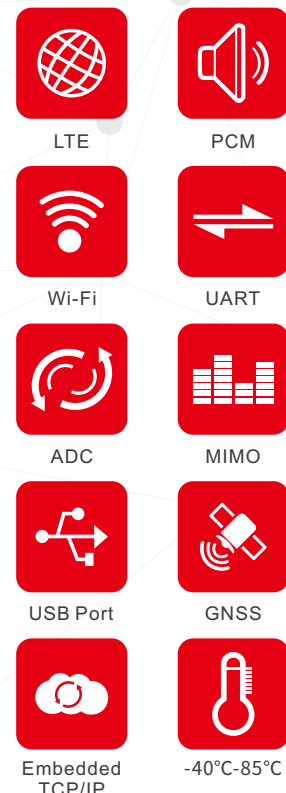
Rx diversity and MIMO technology is provided to improve communication quality and optimize data transmission rate; high-sensitivity GNSS function is also provided.

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/TD-SCDMA/EDGE/GPRS/GSM/EVDO&CDMA 1x networks
- Qualcomm® IZat™ Gen 8C engine, Support GPS/GLONASS/BeiDou
- 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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MEIG 美格

Stock Code:002881

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)
- TD-SCDMA: Max 4.2Mbps(DL)/2.2Mbps(UL)
- WCDMA: Max 384kbps(DL)/384kbps(UL)
- EDGE: Max 236.8kbps(DL)/236.8kbps(UL)
- GPRS: Max 85.6kbps(DL)/85.6kbps(UL)
- EVDO RevA: Max 3.1Mbps(DL)/1.8Mbps(UL)
- CDMA1x: Max 153.6kbps(DL)/153.6kbps(UL)

Protocols:

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

Drivers & Tools:

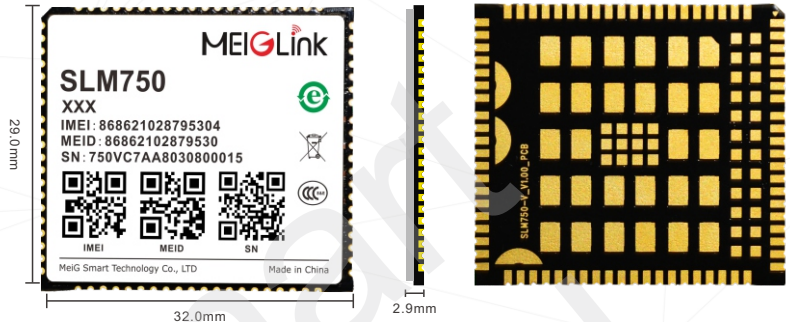
- Drivers : Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Linux, Android
- Tools : One Click update tool, Gobinet Dial Tool
- *FOTA Update (Developing)

Interfaces:

- High speed USB 2.0
- UART×4
- SIM card Interface(1.8 / 3.0V)
- Antenna Interface JMain/Diversity/GNSS(Optional)
- I2C×1
- WAKEUP-IN & WAKEUP-OUT
- Power On/Off, Reset
- SGMII X 1
- 2xSDIO
- 2xADC
- Fly Mode
- LED indicator
- PCM×1
- RESET×1
- Power Key×1

Authentication information:

- CCC/SRRC/CTA/CE/FCC/ROHS/KC/JATE/TELEC



Transmit Power:

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

Working Environment:

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

Band Description of SLM750:

PID	Frequencies	RX Diversity	GNSS	PCM/Analog voice
SLM750-C7A	LTE-FDD: B1/3/5/8 LTE-TDD: B38/39/40/41 WCDMA: B1/8 TD-SCDMA: B34/39 CDMA&EVDO: BC0 GSM: 900/1800	Yes	Yes	Yes/Optional
SLM750-C7B	LTE-FDD: B1/3/5/8 LTE-TDD: B38/39/40/41 WCDMA: B1/8 TD-SCDMA: B34/39 CDMA&EVDO: BC0 GSM: 900/1800	Yes	No	Yes/Optional
SLM750-C7C	LTE-FDD: B1/3/5/8 LTE-TDD: B38/39/40/41 WCDMA: B1/8 TD-SCDMA: B34/39 CDMA&EVDO: BC0 GSM: 900/1800	No	No	Yes/Optional
SLM750-VE	LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B40 WCDMA: B1/5/8 GSM: 900/1800	Yes	Yes	Yes/Optional
SLM750-VA	LTE-FDD: B2/4/5/12/13/17/18/25/26 LTE-TDD: B41 WCDMA: B2/4/5 CDMA&EVDO: BC0/BC1 GSM: 850/1900	Yes	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	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	Yes/Optional	Yes/Optional
SLM750-VJ	LTE-FDD: B1/3/8/18/19/26 LTE-TDD: B41 WCDMA: B1/6/8/19	Yes	Yes/Optional	Yes/Optional

MeiG Smart Technology Co.,Ltd

A Global Leading IoT Terminals and Wireless Data Solutions Provider

Add : 32/F, Building B, Shenzhen International Innovation Center,
No. 1006 Shennan Avenue, Futian District, Shenzhen, China
Tel : +86-755-83218588 Fax : +86-755-83219788
E-mail : ir@meigsmart.com Web : www.meigsmart.com



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