



MeiG Smart SRM810-EU Module

5G NR Sub-6GHz LGA Packaging

MeiG Smart SRM810-EU series of M2M modules are designed to provide IoT and eMBB services by 5G NR Sub-6GHz networks. It intergrates Unisoc V510 chipset, complies with 3GPP Release 15 standards , and can support both SA and NSA modes, it also has backward compatibility with 4G and 3G networks to ensure working in remote areas.

SRM810-EU designed in LGA form factor, it integrated with rich communication interfaces , such as USB3.0, PCIe2.0, SDIO, SPI, UARTs and GPIOs.

It has a rich set of protocols (TCP/UDP/MQTT/HTTP) and multiple OS compatibility to extend the applicability of the module to a wide range of M2M applications , such as wireless router, smart energy, industrial Internet, AR/VR and etc.

Key Technologies:

- ▣ Supports 3GPP R15 standard, SA & NSA, backward compatible with 4G/3G
- ▣ High performance and cost effective
- ▣ Reserved eSIM support
- ▣ Supports USB3.0, PCIe2.0, SDIO3.0 and other high-rate interfaces
- ▣ Reduced antenna count with 6-antenna combination



5G NR



SA&NSA



LGA Packaging



USB3.0



PCIe 2.0



MIMO



-40°C-85°C



VoNR/VoLTE

MeiG Smart SRM810-EU Module

5G NR Sub-6GHz LGA Packaging

MEIG

Basic Features:

- Package: LGA Package
- Size: 44.0×41.0×2.7mm
- Weight: < 12g

Module Speed:

- 5G NR Sub-6GHz:
 - MIMO 4*4, 256QAM
 - Downlink up to 2.0Gbps
 - Uplink up to 900Mbps
- LTE:
 - Downlink up to 400Mbps
 - Uplink up to 150Mbps
- DC-HSPA+:
 - Downlink up to 42.4Mbps
 - Uplink up to 5.76Mbps

Drivers & Tools:

- Drivers: Windows 7, Windows 8, Windows 8.1, Windows 10, Linux, Android
- Tools: Graphical upgrade tool, logging tool
- USB upgrade, FOTA upgrade

Module Interfaces:

- 1xUSB 2.0/USB 3.0
- 1xPCIe Gen2.0
- 2xUART
- 1xSDIO 3.0
- 2xSIM Card interface(1.8 / 3.0V)
- eSIM
- Antenna interface: main/diversity / MIMO antenna, with a total of 6 antennas
- 1xSPI
- 1xI2C
- GPIOs

Certifications:

- CE*



Transmission Power:

- Class 2 for B41/N41/N77/N78
- Class 3 for other bands

Protocols:

- RNDIS/NCM/IPV4/IPV6/TCP/UDP

Temperature and Humidity:

- Routine operating temperature: -30°C to 75°C
- Extended operating temperature: -40°C to 85°C
- Storage temperature: -45°C to 90°C
- Humidity: 5%~95%

SRM810-EU Band Information:

5G NSA:N1/N3/N7/N38/N40/N41/N77/N78
5G SA:N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N77/N78
LTE-FDD:B1/B3/B5/B7/B8/B20/B28
LTE-TDD:B34/B38/B39/B40/B41
WCDMA:B1/B5/B8

Remarks: * under development

