



# MeiG Smart SRM825N Module

5G NR M.2 Packaging

MeiG Smart SRM825N series of M2M modules are designed to provide IoT and eMBB services by 5G NR Sub-6GHz networks. It intergrates Qualcomm Snapdragon X62 chipset, complies with 3GPP Release 16 standards and can support independent two types of network delopments: SA and NSA. SRM825N designed in M.2 form factor, the frequencies of SRM825N can cover the main operators' network of the world.

The maximum 2.4Gbps-DL and 900Mbps-UL data rates on 5G Sub6GHz networks can be supported. It also has backward compatibility with LTE-A and 3G networks to ensure working in remote areas.

A standard and rich set of interfaces(USB3.1/PCIe3.0/SPI/UARTs/GPIOs), protocols (TCP/FTP/HTTP) and multiple OS compatibility extend the applicability of the module to a wide range of M2M applications, wireless router, HD TV , AR/VR, T-Box, Monitor, and etc.

## Key Technologies:

- ✔ Support 3GPP R16 standard
- ✔ Standard M.2 (NGFF) Data-Card form factor
- ✔ Support SA/NSA network type
- ✔ Sub-6GHz support 120MHz maximum bandwidth
- ✔ GNSS:Qualcomm® IZat™ Gen 9,including GPS/GLONASS/BeiDou/Galileo/QZSS
- ✔ High speed interfaces USB3.1、PCIe3.0
- ✔ Industrial Grade Design
- ✔ Support USB Audio Class(UAC) function, no need Codec chip.



Sub-6GHz



SA&NSA



USB3.1



PCIe 3.0



M.2



MIMO



-40°C-85°C



GNSS

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MEIG

## Basic Features:

- Package: M.2 Package
- Size: 30.0×52.0×2.3mm
- Weight: About 10g

## Module Speed:

- 5G NR Sub-6GHz:
  - MIMO 4\*4, 256QAM
  - Downlink up to 2.4Gbps
  - Uplink up to 900Mbps
- LTE Cat. 19:
  - MIMO 4\*4, 256QAM
  - Downlink up to 1.6Gbps
  - Uplink up to 200Mbps

## Drivers & Tools:

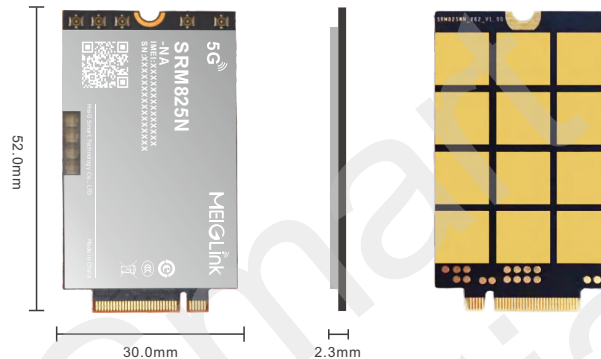
- Drivers: Windows 7, Windows 8, Windows 8.1, Windows 10, Linux, Android
- Tools: One Click update tool, Gobinet Dial Tool
- FOTA upgrade

## Module Interfaces:

- USB 2.0/USB 3.0/USB 3.1 with SS Gen2
- PCIe Gen3 / Gen4
- eSIM
- UART
- SIM Card interface (1.8 / 3.0V)
- Antenna interface: main/diversity /MIMO/ GNSS antenna, with a total of 5 antennas
- Power On/Off, Reset
- 1x PCM
- GPIOs

## Certifications:

- CCC/SRRC/CTA/CE\*/FCC\*



## Transmission Power:

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

## Protocols:

- RNDIS/NDIS/ECM/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%

## SRM825N-NA Band Information:

-NA: Region: North America

5G NR :

N2/N5/N7/N12/N13/N14/N25/N38/N41/N48/N66/N71/N77/N78

LTE-FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71

LTE-TDD: B38/B41/B42/B43/B48

WCDMA: B2/B4/B5

