SIM8200EA-M2

SIMCom 5G Sub-6G Module

52mm

30mm

2.3mm

- Multi-Band
- NSA/SA
- M.2
- VoLTE
- Compact Size
- GNSS
- TCP/IP
- USB 3.1
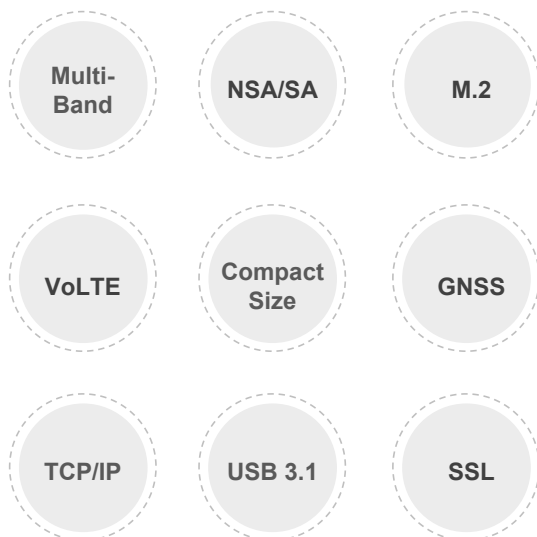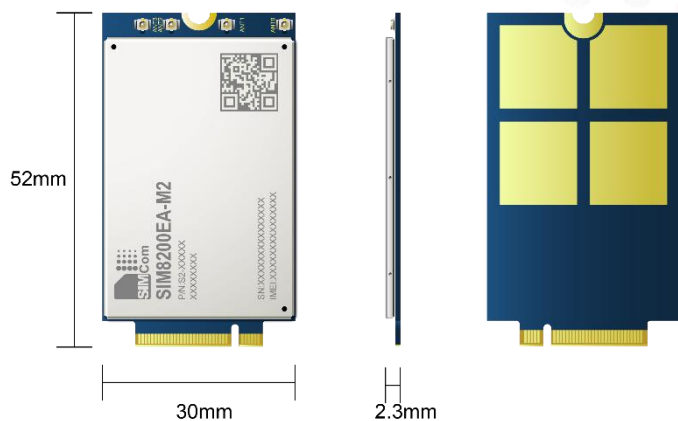- SSL

Product Description

The SIM8200EA-M2 is the Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R15 5G NSA/SA up to 2.4Gbps data transfer.

It has strong extension capability with abundant interfaces including PCIe, USB3.1, GPIO etc. The module provides much flexibility and ease of integration for customer's applications.

The SIM8200EA-M2 adopts M.2 form factor, TYPE 3052-S3-B. AT commands of SIM8200EA-M2 are compatible with SIM7912G/SIM8300G-M2 series modules. This also minimizes the investments of customers and enables a short time-to-market.

It is designed for applications that need high throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for many applications.

Key Benefits

◆ Standard M.2 interface

◆ High throughput data communication

◆ AT commands of the SIM8200EA-M2 are compatible with SIM7912G/SIM8300G-M2 series modules

◆ GNSS active antenna º

Product		SIM8200EA-M2
Form Factor		M.2
Dimensions(mm)		52.0*30.0*2.3
Frequency Bands	Sub-6G(SA)	n1/n3/n5/n7/n8/n28/n38/n40/n41/n48/n77/n78/n79
	Sub-6G(NSA)	n41/n77/n78/n79
	LTE-FDD	B1/B3/B5/B7/B8/B18/B19/B26/B28
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48
	WCDMA	B1/B3/B5/B8
GNSS		GPS L1/Beidou/glonass/Galileo
Temperature		-30℃ ~ +70℃
Electrical Features		
Supply Voltage(V)		3.135 ~ 4.4
Data Transfer		
Sub-6G		2.4Gbps(DL)/1Gbps(UL)
LTE		1.0Gbps(DL)/200Mbps(UL)
HSPA+		42Mbps (DL)/5.76Mbps(UL)
Software Features		
Protocol		TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTTS/DNS/SSL3.0
TLS		●
File System		●
FOTA		●
Android RIL		Android 6/7/8/9
USB Driver		Microsoft Windows Win7/Win8/Win10/Linux/Android
MBIM		Win8/Win10
NDIS		Linux/Win7/Win8/Win10
Firmware Upgrade		USB
Interfaces		
SIM Card		1.8V/2.95V
UART		
USB		●
PCM		●
I2C		●
Diversity Receiver		●
Antenna		4
Certifications		
Regulatory		CCC/SRRC*/CTA*/RoHS*/REACH*/CE*

●: support   o: optional   * : on going

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