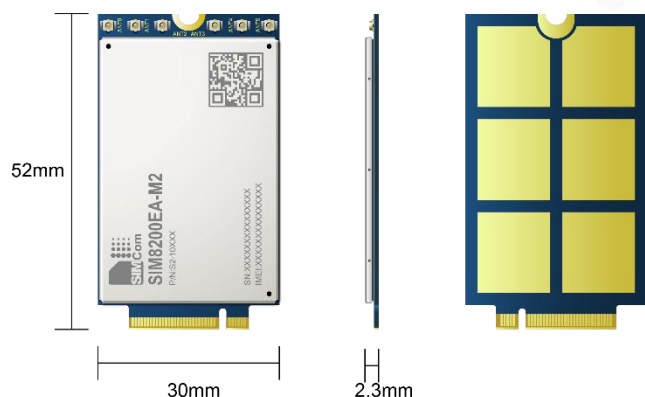


V: 2020.08

SIM8200EA-M2

SIMCom 5G Sub-6G Module



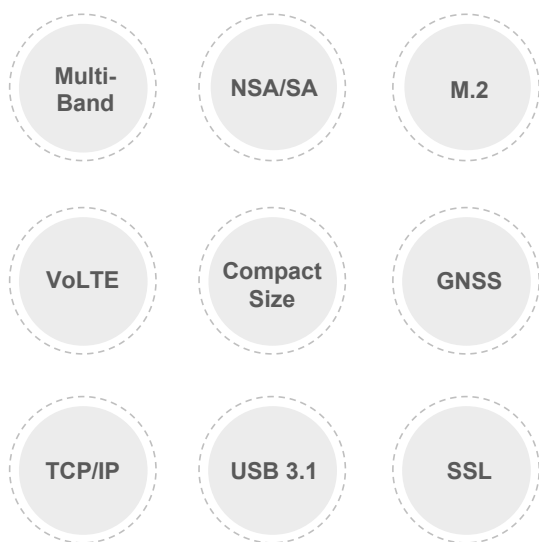
Product Description

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

Product		SIM8200EA-M2
Form Factor		M.2
Dimensions(mm)		52.0*30.0*2.3
Frequency Bands	Sub-6G	n1,n2,n3,n5,n7,n8,n12,n20,n28,n38,n40,n41,n48,n66,n71,n77,n78
	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48
	WCDMA	B1/B2/B3/B4/B5/B8
GNSS		•
Temperature		-30°C ~ +70°C
Electrical Features		
Supply Voltage(V)		3.135 ~ 4.4
Data Transfer		
Sub-6G		2.4Gbps(DL)/500Mbps(UL) (optional up to 4Gbps DL/500Mbps UL)
LTE		1Gbps(DL)/200Mbps(UL) (optional up to 2Gbps 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
USB		•
PCM		•
I2C		•
Diversity Receiver		•
Antenna		6
Certifications		
Regulatory		CCC/SRRC*/CTA*/RoHS*/REACH*/CE*

•: support o: optional *: on going