SIM8202E-M2

SIMCom 5G Sub-6G Module

42mm

30mm

2.3mm

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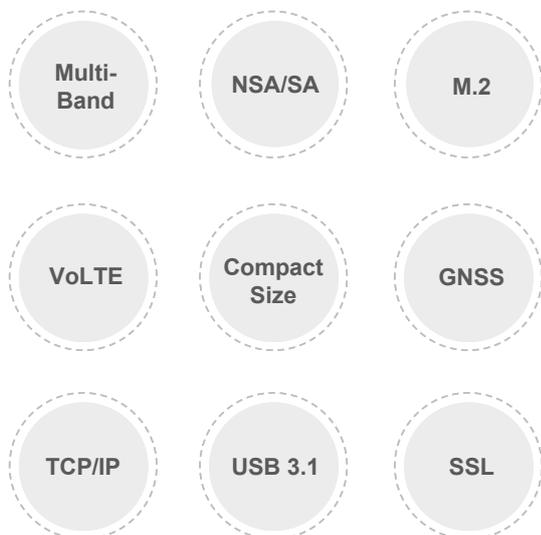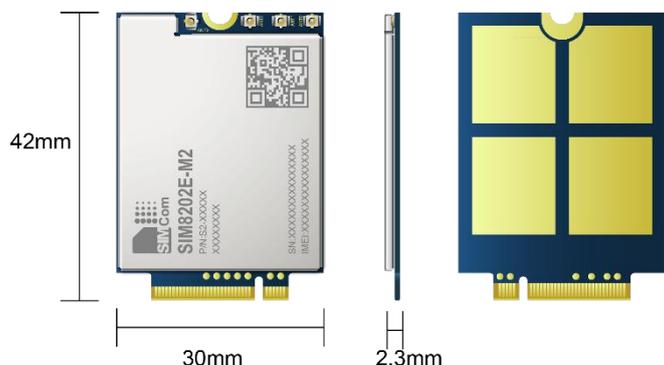
Product Description

The SIM8202E-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 SIM8202E-M2 adopts M.2 form factor, TYPE 3042-S3-B. AT commands of SIM8202E-M2 are compatible with SIM7912G/SIM8200X-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 SIM8202E-M2 are compatible with SIM7912G/SIM8200X-M2 series modules

Product	SIM8202E-M2		
Form Factor	M.2		
Dimensions(mm)	42.0*30.0*2.3		
Frequency Bands	Sub-6G(SA)	n1/n3/n5/n7/n8/n12/n20/n28/n38/n40/n41/n48/n71/n77/n78/n79	
	Sub-6G(NSA)	n1/n3/n7/n20/n28/n41/n77/n78/n79	
	LTE-FDD	B1/B3/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B26/B28/B29/B71	
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48	
	WCDMA	B1/B3/B5/B8	
GNSS	GPS L1/Galileo/QZSS/GPS L5/GLONASS/BeiDou/Compass		
Temperature	-30℃ ~ +70℃		
Electrical Features			
Supply Voltage(V)	3.135 ~ 4.4		
Data Transfer			
Sub-6G	2.4Gbps(DL)/500Mbps(UL)		
LTE	1Gbps(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	●		
PCIe	●		
PCM	●		
I2C	●		
UART	●		
Certifications			
Regulatory	CE/RCM*/RoHS*/REACH*		

●: support   o: optional   * : means under developing/on-going/planning