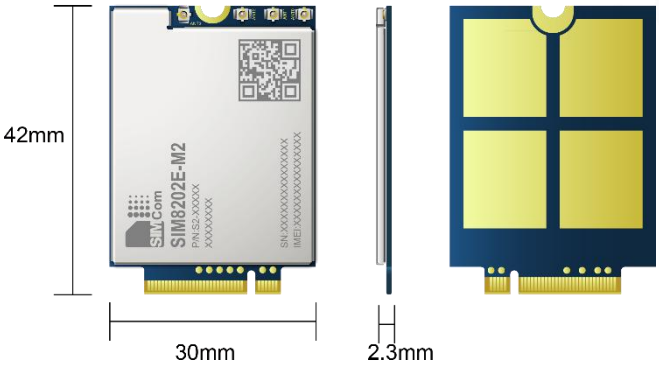
V: 2020.12

SIM8202E-M2

SIMCom 5G Sub-6G Module



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

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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 * : on going

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