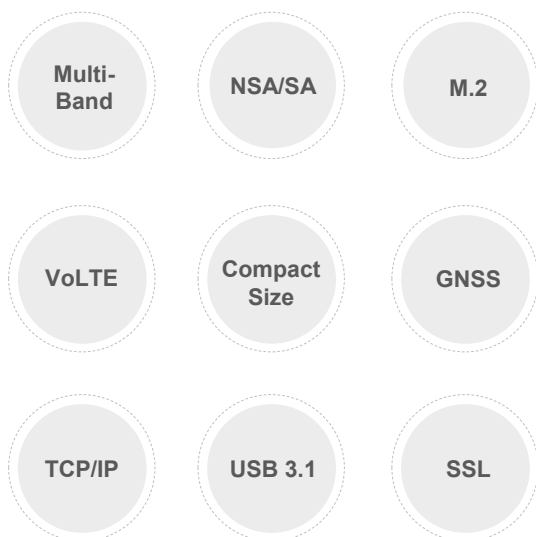
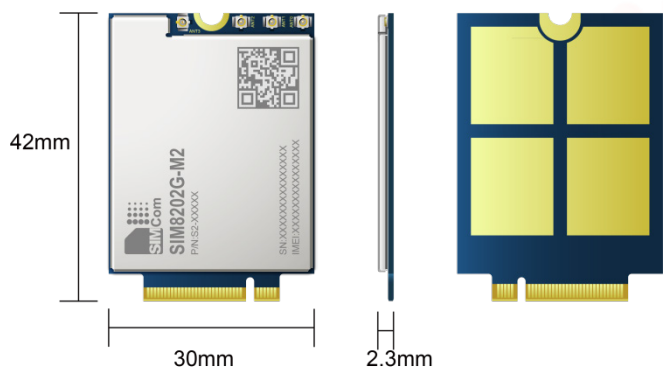


# SIM8202G-M2

## SIMCom 5G Sub-6G Module



### Product Description

The SIM8202G-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 SIM8202G-M2 adopts M.2 form factor, TYPE 3042-S3-B. AT commands of SIM8202G-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 SIM8202G-M2 are compatible with SIM7912G/SIM8200X-M2 series modules

<b>Product</b>		<b>SIM8202G-M2</b>
<b>Form Factor</b>		M.2
<b>Dimensions(mm)</b>		42.0*30.0*2.3
<b>Sub-6G</b>		n1,n2,n3,n5,n7,n8,n12,n20,n28,n38,n40,n41,n48,n66,n71,n77,n78,n79
<b>Frequency Bands</b>	<b>LTE-FDD</b>	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
	<b>LTE-TDD</b>	B34/B38/B39/B40/B41/B42/B43/B48
	<b>LAA</b>	B46
	<b>WCDMA</b>	B1/B2/B3/B4/B5/B8
<b>GNSS</b>		•
<b>Temperature</b>		-30°C ~ +70°C
<b>Electrical Features</b>		
<b>Supply Voltage(V)</b>		3.135 ~ 4.4
<b>Data Transfer</b>		
<b>Sub-6G</b>		2.4Gbps(DL)/500Mbps(UL)
<b>LTE</b>		1Gbps(DL)/200Mbps(UL)
<b>HSPA+</b>		42Mbps (DL)/5.76Mbps(UL)
<b>Software Features</b>		
<b>Protocol</b>		TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTT/S/DNS/SSL3.0
<b>TLS</b>		•
<b>File System</b>		•
<b>FOTA</b>		•
<b>Android RIL</b>		Android 6/7/8/9
<b>USB Driver</b>		Microsoft Windows Win7/Win8/Win10/Linux/Android
<b>MBIM</b>		Win8/Win10
<b>NDIS</b>		Linux/Win7/Win8/Win10
<b>Firmware Upgrade</b>		USB
<b>Interfaces</b>		
<b>SIM Card</b>		1.8V/2.95V
<b>USB</b>		•
<b>PCM</b>		•
<b>I2C</b>		•
<b>Diversity Receiver</b>		•
<b>Certifications</b>		
<b>Regulatory</b>		CCC/SRRC*/CTA*/RoHS*/REACH*/CE*

•: support    ◦: optional    \*: on going