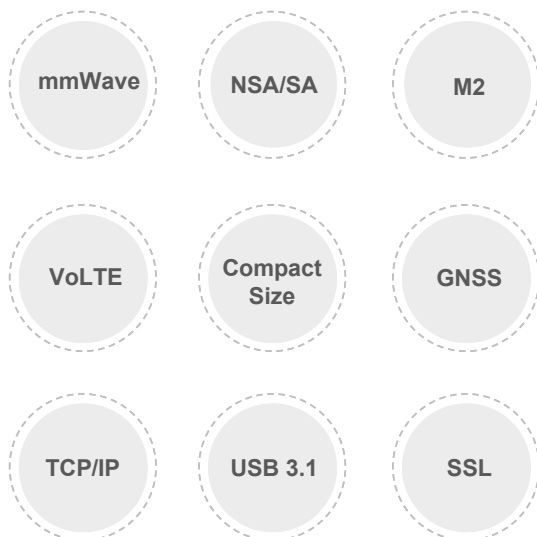
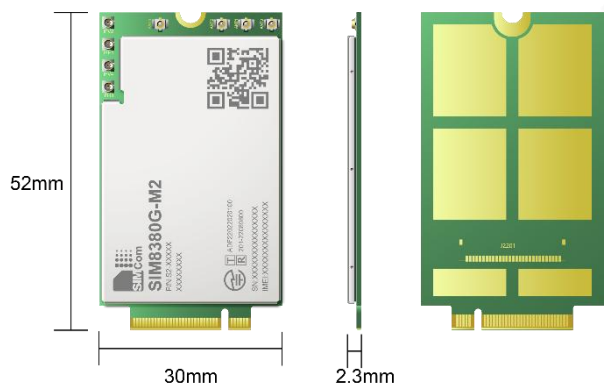


# SIM8380G-M2

## SIMCom 5G Sub-6G&mmWave Module



### Product Description

SIM8380G-M2 is a Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R16 5G NSA/SA.

With a rich protocols, it is integrated with interfaces such as PCIe, USB3.1, GPIO etc. This module provides applications with great flexibility and ability of integration.

SIM8380G-M2 adopts M2 form factor. AT commands of SIM8380G-M2 are compatible with SIM8200 series modules. This also minimizes costs for customer and shortens time to market.

It is designed for applications that need huge data transmission in various wireless situations. Due to its high efficiency, security and flexibility, this module suits various applications.

### Key Benefits

- ◆ M2 form factor with various interfaces
- ◆ Huge data transmission
- ◆ AT commands of SIM8380G-M2 compatible with SIM8200 series modules

<b>Product</b>		<b>SIM8380G-M2</b>
<b>Form Factor</b>	M.2	
<b>Dimensions(mm)</b>	52.0*30.0*2.3	
<b>Frequency Bands</b>	<b>5G SA</b>	n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n71/n75/n76/n77/n78/n79
	<b>5G NSA</b>	n1/n2/n3/n5/n7/n8/n12/n14/n20/n25/n28/n30/n38/n40/n41/n48/n66/n71/n75/n77/n78/n79
	<b>5G mmWave</b>	n257/n258/n260/n261
	<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/B46/B48
	<b>WCDMA</b>	B1/B2/B4/B5/B8/B19
<b>GNSS</b>	GPS/GLONASS/Beidou/Galileo/QZSS	
<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>mmWave</b>	8.76Gbps(DL)/2.69Gbps(UL)	
<b>SA</b>	6.2Gbps(DL)/0.9Gbps(UL)	
<b>NSA</b>	4.92Gbps(DL)/660Mbps(UL)	
<b>LTE</b>	2Gbps(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>	CE(RED)* /FCC* /RoHS* /REACH* /TELEC/JATE	

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