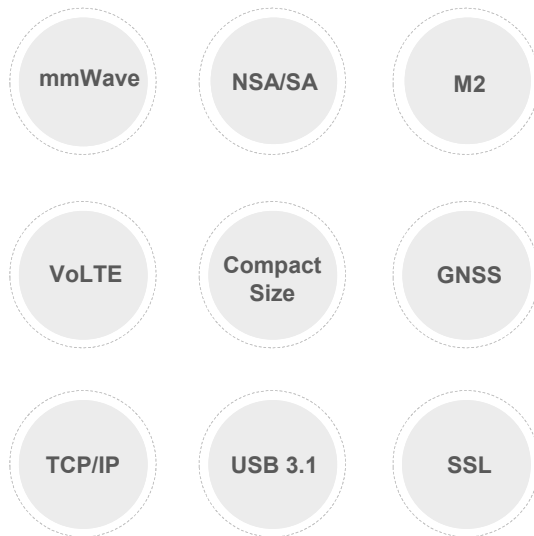
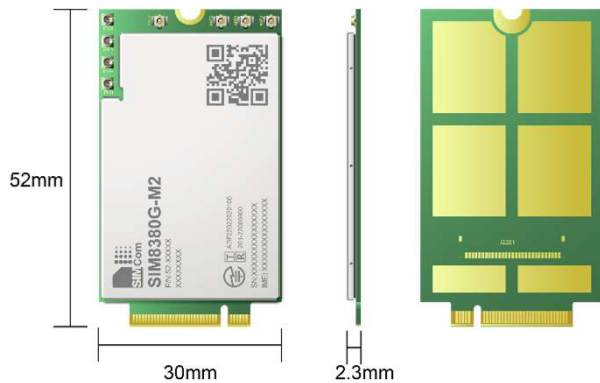


SIM8380G-M2

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

Product		SIM8380G-M2
Form Factor	M.2	
Dimensions(mm)	52.0*30.0*2.3	
Frequency Bands	5G SA	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
	5G NSA	n1/n2/n3/n5/n7/n8/n12/n14/n20/n25/n28/n30/n38/n40/n41/n48/n66/n71/n75/n77/n78/n79
	5G mmWave	n257/n258/n260/n261
	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/B46/B48
	WCDMA	B1/B2/B4/B5/B8/B19
GNSS	GPS/GLONASS/Beidou/Galileo/QZSS	
Temperature	-30°C ~ +70°C	
Electrical Features		
Supply Voltage(V)	3.135 ~ 4.4	
Data Transfer		
mmWave	8.76Gbps(DL)/2.69Gbps(UL)	
SA	6.2Gbps(DL)/0.9Gbps(UL)	
NSA	4.92Gbps(DL)/660Mbps(UL)	
LTE	2Gbps(DL)/200Mbps(UL)	
HSPA+	42Mbps (DL)/5.76Mbps(UL)	
Software Features		
Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTT/S/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	●	
Certifications		
Regulatory	CE(RED)* / FCC* / RoHS* / REACH* / TELEC / JATE	

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