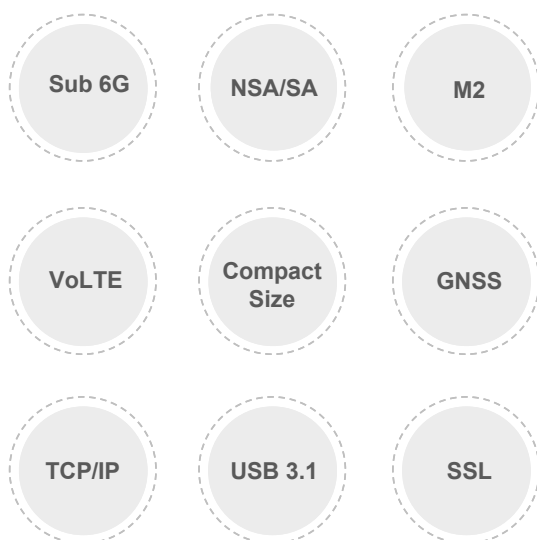
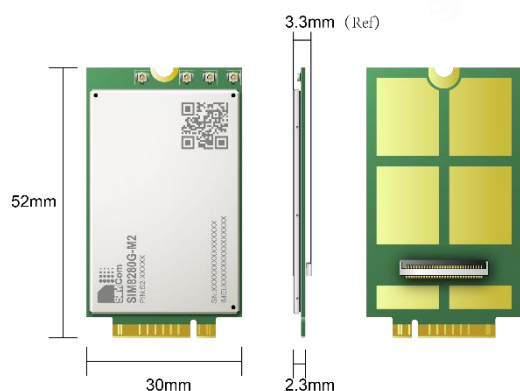


# SIM8280G-M2

## SIMCom 5G Sub-6G Module



## Product Description

The SIM8280G-M2 is the Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R16 5G NSA/SA.

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 SIM8280G-M2 adopts M2 form factor. AT commands of SIM8280G-M2 are compatible with SIM8300 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 SIM8280G-M2 are compatible with SIM8300G/SIM8200X-M2 series modules

Product		SIM8280G-M2
Form Factor		M.2
Dimensions(mm)		52.0*30.0*2.3
Frequency Bands	5G Sub-6G	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79
	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/B3/B4/B5/B8
GNSS		GPS/GLONASS/Beidou/Galileo/QZSS
Temperature		-30°C ~ +70°C
Electrical Features		
Supply Voltage(V)		3.135 ~ 4.4
Data Transfer		
mmWave		7Gbps(DL)/3Gbps(UL)
Sub-6G		4Gbps(DL)/1Gbps(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		●
PCM		●
I2C		●
Diversity Receiver		●
Certifications		
Regulatory		CE(RED)*FCC*/RoHS*/REACH*

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