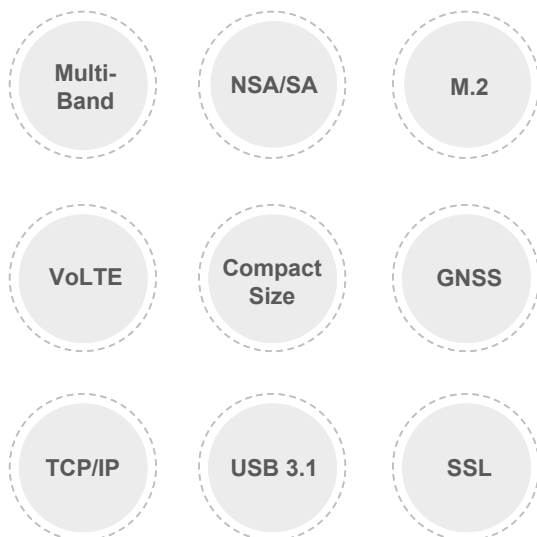
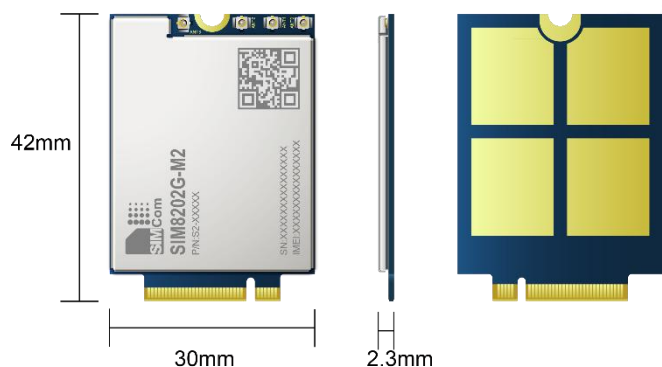


SIM8202G-M2

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

Product		SIM8202G-M2
Form Factor	M.2	
Dimensions(mm)	42.0*30.0*2.3	
Frequency Bands	Sub-6G	n1,n2,n3,n5,n7,n8,n12,n20,n28,n38,n40,n41,n48,n66,n71,n77,n78,n79
	Sub-6G(NSA)	n41/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/B48
	LAA	*
	WCDMA	B1/B2/B3/B4/B5/B8
GNSS	●	
Temperature	-30°C ~ +70°C	
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/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	CCC/JATE/TELEC/CE(RED)/SRRC*/CTA*/RoHS*/REACH*/RCM*	

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