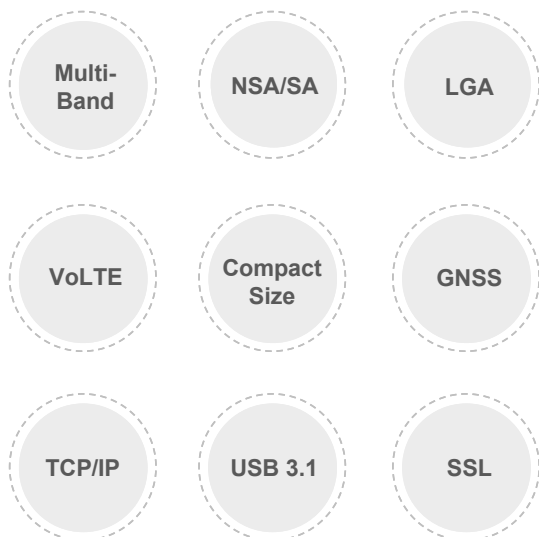
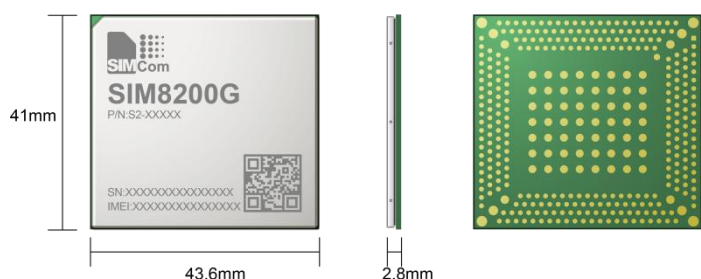


SIM8200G

SIMCom 5G Sub-6G Module



Product Description

The SIM8200G is Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R15 5G NSA/SA up to 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.

SIM8200G adopts LGA form factor and the AT commands 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

- ◆ LGA form factor with abundant interfaces
- ◆ High throughput data communication
- ◆ The AT commands of SIM8200G are compatible with SIM8300 series modules

Product	SIM8200G V1.02	SIM8200G V4.01	SIM8200G V3.02
Form Factor	LGA	LGA	LGA
Dimensions(mm)	41.0*43.6*2.8	41.0*43.6*2.8	41.0*43.6*2.8
5G-SA	n1,n2,n3,n5,n7,n8,n12,n20,n28,n38,n40,n41,n48,n66,n71,n77,n78,n79	n1,n3,n5,n7*,n8,n20,n28,n38,n40,n41,n77,n78,n79	n1,n2,n3,n5,n7,n8,n12,n20,n25,n28,n38,n40,n41,n48,n66,n71,n77,n78,n79
5G-NSA	n41,n77,n78,n79	n41,n77,n78,n79	n1,n2*,n3*,n5*,n7*,n28,n41,n77,n78,n79
Frequency Bands			
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71	B1/B3/B5/B7*/B8/B20/B28	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B46/B66/B71
LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48	B34/B38/B39/B40/B41/B42/B43/B48	B34/B38/B39/B40/B41/B42/B43/B48
WCDMA	B1/B2/B3/B4/B5/B8	B1/B3/B5/B8	B1/B2/B3/B4/B5/B8
Ant	8	4	5
GNSS	•	•	•
Temperature	-30°C ~ +70°C	-30°C ~ +70°C	-30°C ~ +70°C
Electrical Features			
Supply Voltage(V)	3.3 ~ 4.4		
Data Transfer			
5G	2.4Gbps(DL)/1Gbps(UL)	2.4Gbps(DL)/1Gbps(UL)	2.4Gbps(DL)/1Gbps(UL)
LTE	1Gbps(DL)/200Mbps(UL)	1Gbps(DL)/200Mbps(UL)	1Gbps(DL)/200Mbps(UL)
HSPA+	42Mbps (DL)/5.75Mbps(UL)	42Mbps (DL)/5.75Mbps(UL)	42Mbps (DL)/5.75Mbps(UL)
Software Features			
Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTT/DNS/SSL3.0		
TLS	•	•	•
File System	•	•	•
FOTA	•	•	•
Android RIL	Android 6/7/8/9	Android 6/7/8/9	Android 6/7/8/9
USB Driver	Microsoft Windows Win7/Win8/Win10/Linux/Android		
MBIM	Win8/Win10	Win8/Win10	Win8/Win10
NDIS	Linux/Win7/Win8/Win10	Linux/Win7/Win8/Win10	Linux/Win7/Win8/Win10
Firmware Upgrade	USB	USB	USB
Interfaces			
SIM Card	1.8V/2.95V	1.8V/2.95V	1.8V/2.95V
USB	•	•	•
PCM	•	•	•
I2C	•	•	•
Diversity Receiver	•	•	•
Certifications			
Regulatory	CCC/CTA/SRRC/RoHS/REACH/JATE/TELEC/CE(RED)/FCC*	CE*/FCC*	CE*/FCC*

•: support o: optional *: means under developing/on-going/planning