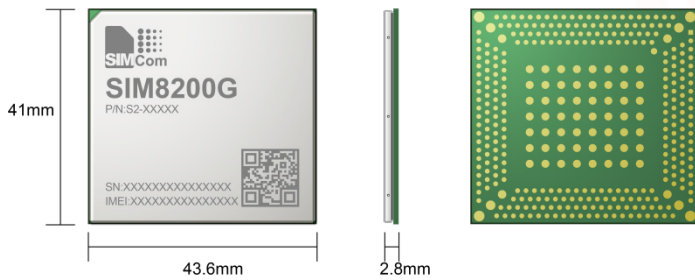


# SIM8200G

## SIMCom 5G Sub-6G Module



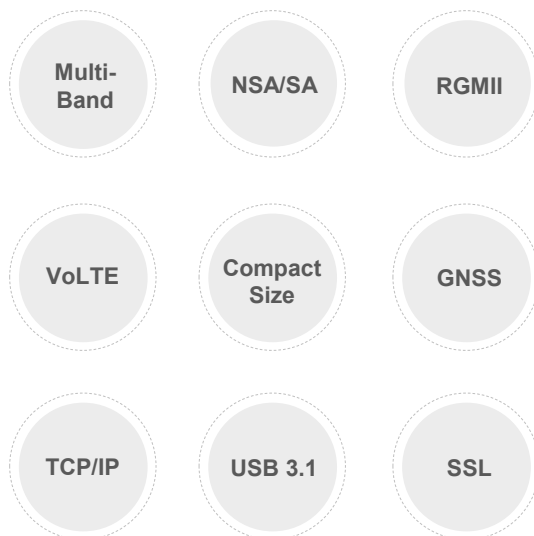
### Product Description

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

## General Features

Frequency Bands	5G Sub-6G n1,n2,n3,n5,n7,n8,n12,n20,n25,n28, n40,n41,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/B66/B71
	LTE-TDD B34/B38/B39/B40/B41/B42/B48
	WCDMA B1/B2/B3/B4/B5/B8
GNSS	GPS/GLONASS/BeiDou/Galileo/QZSS
Supply Voltage	3.3V ~ 4.4V
Control Via AT Commands	
Operation temperature	-30°C ~ +70°C
Dimensions	41.0*43.6.0*2.8mm
Weight	11.17g

## Data Transfer

Sub-6G	Uplink up to 1Gbps
	Downlink up to 4Gbps
LTE Cat 20+	Uplink up to 200Mbps
	Downlink up to 2Gbps
HSPA+	Uplink up to 5.76Mbps
	Downlink up to 42Mbps

### Note

\*: on going

## Other Features

USB Driver for Microsoft Windows Win7/Win8/Win10
USB Driver for Linux /Android
RIL supporting for Android 6/7/8/9
RNDIS /NDIS/PPP/MBIM to Win8
Firmware update via USB
TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP /HTTPS/MQTT/DNS/SSL3.0/TLS1.0/TLS1.2
DTMF(Sending and Receiving)
VoLTE/CSFB/VoNR*
FOTA

## Interfaces

USB2.0
USB3.1
UART
USIM (1.8V /2.95V)
PCM
SPI
ADC
I2C
GPIO
RGMI
PCIe Gen3
SDIO3.0
PMI
Antenna*8

## Certifications

3C*/SRRC*/NAL*/RoHS*/REACH*
CE*/FCC*