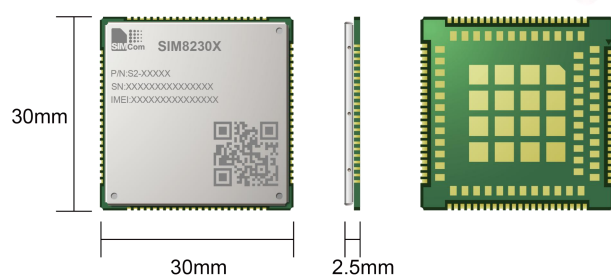


V: 2023.10

# SIM8230

## SIMCom 5G Sub-6G Module



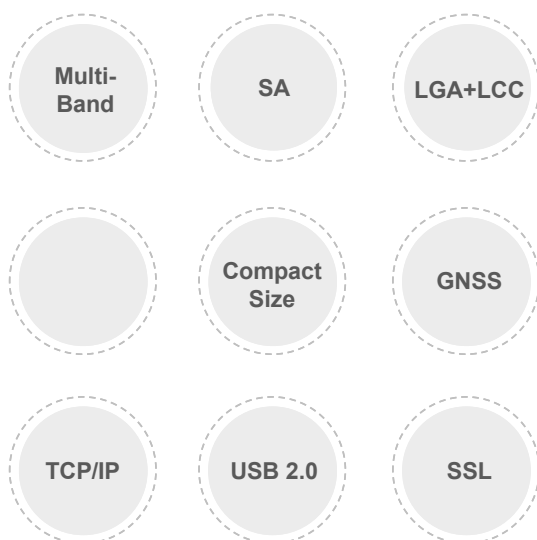
### Product Description

SIM8230 is a Multi-Band 5G NR/LTE-FDD/LTE-TDD module which supports R17 5G SA.

With a rich protocols, it is integrated with interfaces such as PCIe, USB2.0, GPIO etc. This module provides applications with great flexibility and ability of integration.

SIM8230 adopts LGA form factor. AT commands of SIM8230 are compatible with SIM7600/8200/8260 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

- ◆ LGA+LCC form factor with various interfaces
- ◆ Medium data transmission
- ◆ AT commands of SIM8230 compatible with SIM7600/8200/8260 series modules

Product	SIM8230C	SIM8230E	SIM8230SA	
Form Factor	LGA+LCC	LGA+LCC	LGA+LCC	
Dimensions(mm)	30.0*30.0*2.5	30.0*30.0*2.5	30.0*30.0*2.5	
Frequency Bands	5G SA	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78	n2/n5/n7/n8/n28/n38/n40/n66/n71/n78	
	LTE-FDD	B1/B3/B5/B8	B1/B3/B5/B7/B8/B20/B28	B2/B4/B5/B7/B8/B26/B28/B66
	LTE-TDD	B34/B38/B39/B40/B41	B38/B40/B41/B42/B43	B38/B40/B42/B43
GNSS	support	support	support	
Temperature	-40℃ ~ +85℃	-40℃ ~ +85℃	-40℃ ~ +85℃	
Electrical Features				
Supply Voltage(V)	3.3 ~ 4.4	3.3 ~ 4.4	3.3 ~ 4.4	
Data Transfer				
Sub-6G SA	Up to 220Mbps(DL)/100Mbps(UL)	Up to 220Mbps(DL)/100Mbps(UL)	Up to 220Mbps(DL)/100Mbps(UL)	
LTE	150Mbps(DL)/50Mbps(UL)	150Mbps(DL)/50Mbps(UL)	150Mbps(DL)/50Mbps(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			
USB Driver	Microsoft Windows Win7/Win8/Win10/Win11/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)*/GCF*/FCC*/PRCRB*/RoHS */REACH*			

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