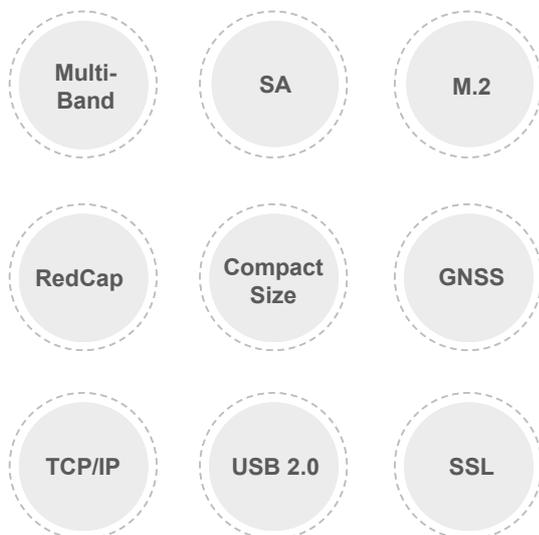
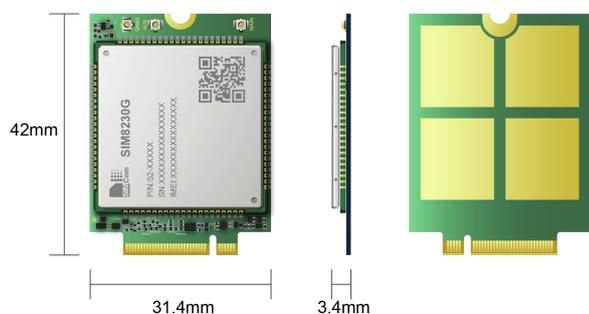


# SIM8230G-M2

## SIMCom 5G RedCap Module



## Product Description

SIM8230G-M2 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 USB2.0, GPIO etc. This module provides applications with great flexibility and ability of integration.

SIM8230G-M2 adopts M.2 form factor. AT commands of SIM8230G-M2 are compatible with SIM7600/8200/8260 series modules. This also reduces 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

- ◆ M.2 form factor with various interfaces
- ◆ Medium data transmission
- ◆ AT commands of SIM8230G-M2 compatible with SIM7600/8200/8260 series modules

<b>Product</b>		<b>SIM8230G-M2</b>
<b>Form Factor</b>	M.2	
<b>Dimensions(mm)</b>	42.0*31.4*3.4	
<b>5G SA</b>	n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n70/n71/n77/n78	
<b>Frequency Bands</b>	<b>LTE-FDD</b>	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B30/B66/B71
	<b>LTE-TDD</b>	B34/B38/B39/B40/B41/B42/B43/B48
<b>GNSS</b>	support	
<b>Temperature</b>	-30°C ~ +75°C	
<b>Electrical Features</b>		
<b>Supply Voltage(V)</b>	3.135 ~ 4.4,type 3.8	
<b>Data Transfer</b>		
<b>NR</b>	FDD:220Mbps(DL)/120Mbps(UL) TDD:200Mbps(DL)/100Mbps(UL)	
<b>LTE</b>	FDD:200Mbps(DL)/75Mbps(UL) TDD:200Mbps(DL)/50Mbps(UL)	
<b>Software Features</b>		
<b>Protocol</b>	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/MQTT/DNS/SSL3.0	
<b>TLS</b>	●	
<b>File System</b>	●	
<b>FOTA</b>	●	
<b>Android RIL</b>	Android 7/8/9/10/11/12/13	
<b>USB Driver</b>	Microsoft Windows Win8/Win10/Win11/Linux/Android	
<b>MBIM</b>	Win8/Win10/Win11	
<b>NDIS</b>	Linux/Win8/Win10/Win11	
<b>Firmware Upgrade</b>	USB	
<b>Interfaces</b>		
<b>SIM Card</b>	1.8V/2.95V	
<b>PCIE</b>	PCle Gen 2 1Lane	
<b>USB</b>	●	
<b>I2S/PCM</b>	●	
<b>I2C</b>	●	
<b>Diversity Receiver</b>	●	
<b>Certifications</b>		
<b>Regulatory</b>	CE(REDA)/RCM/GCF*/FCC*/PTCRB*/RoHS/REACH	

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