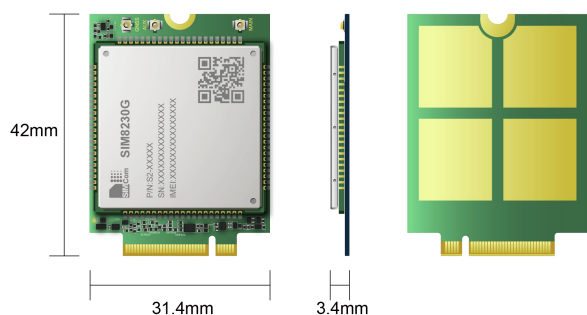


SIM8230G-M2

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 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

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

Product		SIM8230G-M2
Form Factor	M.2	
Dimensions(mm)	42.0*31.4*3.4	
Frequency Bands	5G SA	n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n30/n38/n40/n41/n48/n66/n70/n71/n77/n78
	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B30/B66/B71
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48
GNSS	support	
Temperature	-40°C ~ +85°C	
Electrical Features		
Supply Voltage(V)	3.4 ~ 4.4, type 3.8	
Data Transfer		
NR	FDD:220Mbps(DL)/120Mbps(UL) TDD:200Mbps(DL)/100Mbps(UL)	
LTE	FDD:200Mbps(DL)/75Mbps(UL) TDD:200Mbps(DL)/50Mbps(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/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(REDA)*GCF*/FCC*/PRCRB*/RoHS*/REACH*	

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