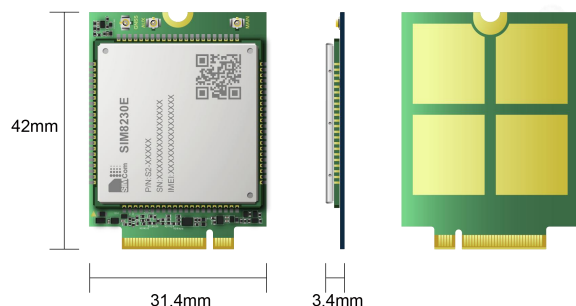


V: 2024.8

SIM8230E-M2

SIMCom 5G RedCap Module



Product Description

SIM8230E-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.

SIM8230E-M2 adopts M.2 form factor. AT commands of SIM8230E-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 SIM8230E-M2 compatible with SIM7600/8200/8260 series modules

Product	
SIM8230E-M2	
Form Factor	M.2
Dimensions(mm)	42.0*31.4*3.4
Frequency Bands	5G SA n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78
	LTE-FDD B1/B3/B5/B7/B8/B20/B28
	LTE-TDD B38/B40/B41/B42/B43
GNSS	support
Temperature	-30°C ~ +75°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/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*/RoHS*/REACH*

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