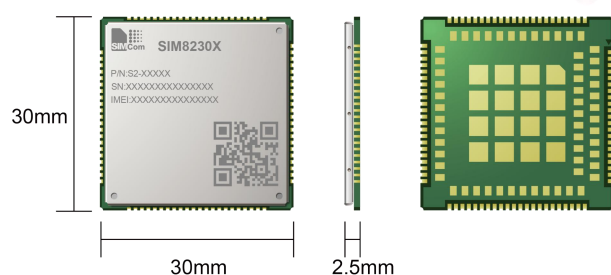


SIM8230

SIMCom 5G RedCap 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	B2/B4/B5/B7/B8/B26/B28/B66
	LTE-TDD	B34/B38/B39/B40/B41	B38/B40/B41/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			
NR	FDD:220Mbps(DL)/120Mbps(UL) TDD:200Mbps(DL)/100Mbps(UL)	FDD:220Mbps(DL)/120Mbps(UL) TDD:200Mbps(DL)/100Mbps(UL)	FDD:220Mbps(DL)/120Mbps(UL) TDD:200Mbps(DL)/100Mbps(UL)
LTE	FDD:200Mbps(DL)/75Mbps(UL) TDD:200Mbps(DL)/50Mbps(UL)	FDD:200Mbps(DL)/75Mbps(UL) TDD:200Mbps(DL)/50Mbps(UL)	FDD:200Mbps(DL)/75Mbps(UL) TDD:200Mbps(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