SIM8230

SIMCom 5G RedCap Module

30mm

30mm

2.5mm

SIM8230X
P/N:S2-XXXXX
SN:XXXXXXXXXXXXXX
IMEI:XXXXXXXXXXXXXX

Multi-Band

SA

LGA+LCC

RedCap

Compact Size

GNSS

TCP/IP

USB 2.0
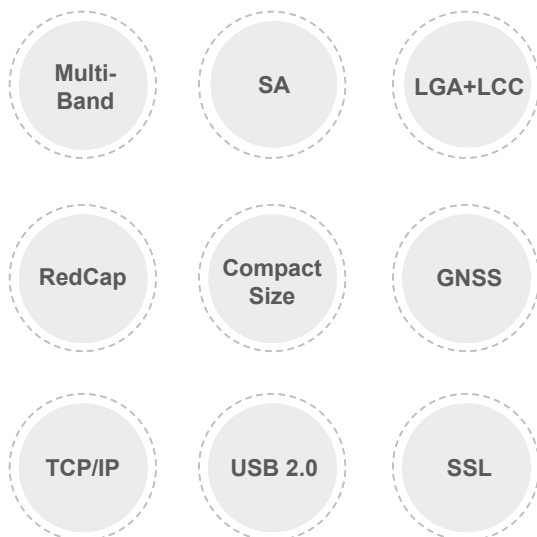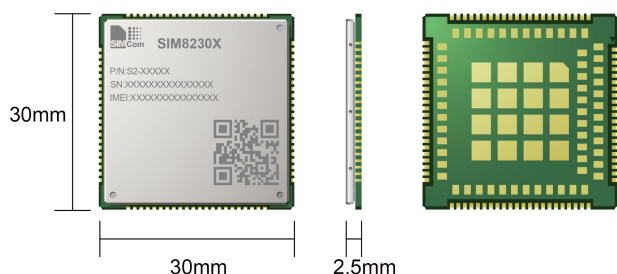
SSL

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	SIM8230JP	
Form Factor	LGA+LCC	
Dimensions(mm)	30.0*30.0*2.5	
Frequency Bands	5G SA	n3/n28/n41/n77/n78/n79
	LTE-FDD	B1/B3/B5/B8/B18/B19/B26/B28
	LTE-TDD	B41/B42
GNSS	support	
Temperature	-40℃ ~ +85℃	
Electrical Features		
Supply Voltage(V)	3.3 ~ 4.4	
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/MQTTS/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	RoHS*/REACH*	

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