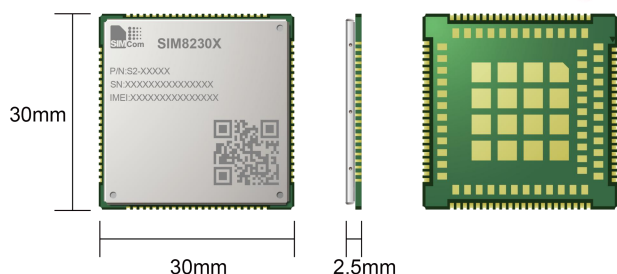


SIM8230

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	SIM8230G	SIM8230NA
Form Factor	LGA+LCC	LGA+LCC
Dimensions(mm)	30.0*30.0*2.5	30.0*30.0*2.5
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	n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n48/n66/n70/n71/n77/n78
Frequency Bands	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B30/B66/B71	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B30/B66/B71
LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48	B38/B41/B42/B43/B48
GNSS	support	support
Temperature	-40°C ~ +85°C	-40°C ~ +85°C
Electrical Features		
Supply Voltage(V)	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)
LTE	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/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(RED)* /GCF*/FCC*/PRCRB*/RoHS*/REACH*	

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