SIM8262A-M2

SIMCom 5G Sub-6G Module

42mm

30mm   2.3mm

Multi-Band

NSA/SA

M2

VoLTE

Compact Size

GNSS

TCP/IP

USB 3.1
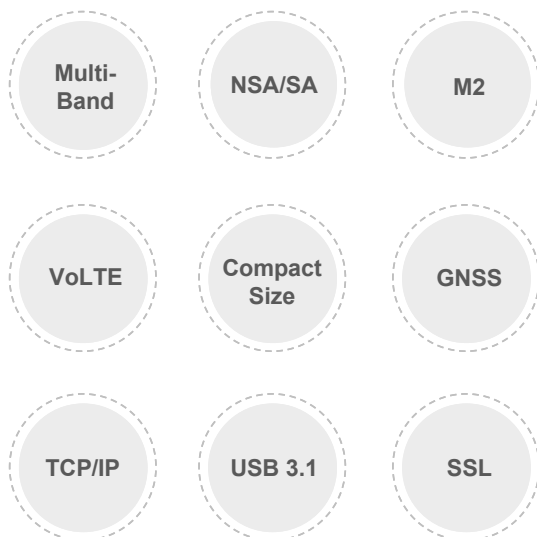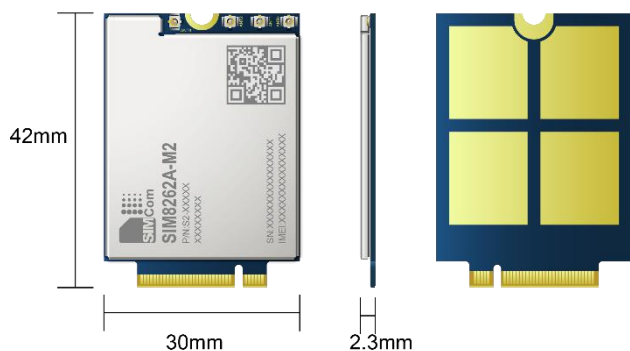
SSL

Product Description

The SIM8262A-M2 is the Multi-Band 5G NR/LTE-FDD/LTE-TDD/HSPA+ module which supports R16 5G NSA/SA.

It has strong extension capability with abundant interfaces including PCIe, USB3.1, GPIO etc. The module provides much flexibility and ease of integration for customer's applications.

The SIM8262A-M2 adopts M2 form factor. AT commands of SIM8262A-M2 are compatible with SIM8300 series modules. This also minimizes the investments of customers and enables a short time-to-market.

It is designed for applications that need high throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for many applications.

Key Benefits

◆ Standard M.2 interface
◆ High throughput data communication
◆ AT commands of the SIM8262A-M2 are compatible with SIM7912G/SIM8200X-M2 series modules

Product	SIM8262A-M2		
Form Factor		M.2	
Dimensions(mm)		42.0*30.0*2.3	
Frequency Bands	5G Sub-6G	n1,n2,n5,n7,n8,n12,n13,n14,n18,n20,n25,n26,n30,n38,n41,n48,n66,n71,n77,n78,n79	
	LTE-FDD	B1,B2,B4,B5,B7,B8,B12,B13,B14,B17,B18,B19,B20,B25,B26,B29,B30,B66,B71	
	LTE-TDD	B38,B41,B42,B43,B46,B48	
	WCDMA	B1/B2/B4/B5/B8	
GNSS		GPS/GLONASS/Beidou/Galileo/QZSS	
Temperature		-30℃ ~ +70℃	
Electrical Features			
Supply Voltage(V)		3.135 ~ 4.4	
Data Transfer			
Sub-6G SA		2.4Gbps(DL)/1Gbps(UL)	
Sub-6G NSA		3.4Gbps(DL)/600Mbps(UL)	
LTE		1.6Gbps(DL)/200Mbps(UL)	
HSPA+		42Mbps (DL)/5.76Mbps(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/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)*/FCC*/RoHS*/REACH*	

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