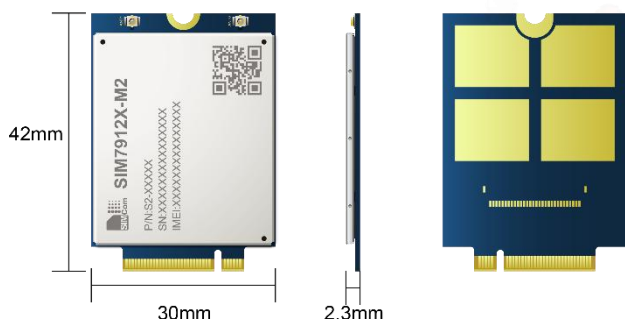


SIM7912G-M2

SIMCom LTE Cat 12 Module



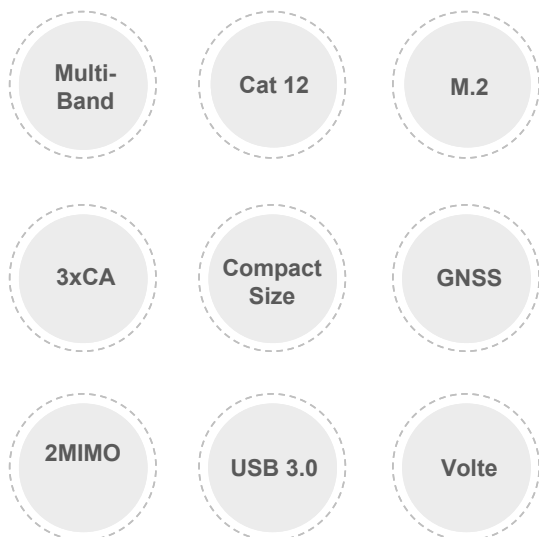
Product Description

SIM7912G-M2 is a Multi-Band LTE-FDD/LTE-TDD/HSPA+ module which supports Category 12 with CA and MIMO.

With a rich protocols, it is integrated with interfaces such as PCIe, USB3.0, GPIO etc. This module provides applications with great flexibility and ability of integration.

SIM7912G-M2 adopts M2 form factor. AT commands of SIM7912G-M2 are compatible with SIM79XX 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

- ◆ M2 form factor with various interfaces
- ◆ Huge data transmission
- ◆ AT commands of SIM7912G-M2 compatible with SIM79XX series modules

Product		SIM7912G-M2
Form Factor		M2
Dimensions(mm)		42.0*30.0*2.3
Frequency Bands	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66
	LTE-TDD	B38/B40/B41/B42*/B43*/B46*/B48*
	WCDMA	B1/B2/B3/B4/B5/B6/B8/B9/B19
GNSS		•*
MIMO		2x2 MIMO
Temperature		-30°C ~ +70°C
Electrical Features		
Supply Voltage(V)		3.135 ~ 4.4
Data Transfer		
LTE		600Mbps(DL)/150Mbps(UL)
HSPA+		42Mbps (DL)/11.2Mbps(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/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		FCC/PTCRB*/CE/GCF*

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