SIM7906G-M2
SIMCom LTE Cat 6 Module

42mm

30mm   **2.3mm**

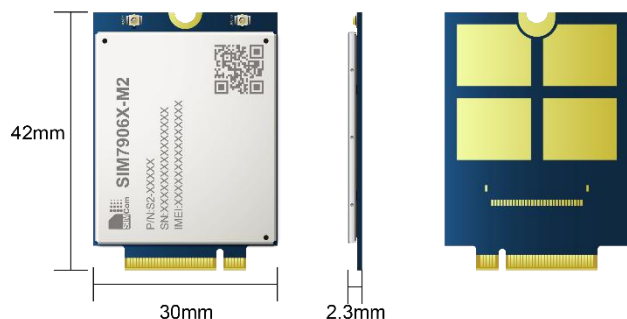|		
Multi-Band	Cat 6	M.2
2xCA	Compact Size	GNSS
2x2MIMO	USB 3.0	Volte

Product Description

SIM7906G-M2 is a Multi-Band LTE-FDD/LTE-TDD/HSPA+ module which supports Category 6 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.

SIM7906G-M2 adopts M2 form factor. AT commands of SIM7906G-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 SIM7906G-M2 compatible with SIM79XX series modules

Product	SIM7906G-M2	SIM7906G-M2 1NN7G0AF
Form Factor	M2	M2
Dimensions(mm)	42.0*30.0*2.3	42.0*30.0*2.3

Frequency Bands		SIM7906G-M2	SIM7906G-M2 1NN7G0AF
	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*	B42/B43/B48
	WCDMA	B1/B2/B3/B4/B5/B6/B8/B9/B19	
GNSS		●*	●
MIMO		2x2 MIMO	2x2 MIMO
Temperature		-30℃ ~ +70℃	-30℃ ~ +70℃

Electrical Features

Supply Voltage(V)	3.135 ~ 4.4	3.135 ~ 4.4

Data Transfer

LTE	300Mbps(DL)/50Mbps(UL)	300Mbps(DL)/50Mbps(UL)
HSPA+	42Mbps (DL)/11.2Mbps(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	Android 6/7/8/9
USB Driver	Microsoft Windows Win7/Win8/Win10/Linux/Android	
MBIM	Win8/Win10	Win8/Win10
NDIS	Linux/Win7/Win8/Win10	Linux/Win7/Win8/Win10
Firmware Upgrade	USB	USB

Interfaces

SIM Card	1.8V/2.95V	1.8V/2.95V
USB	●	●
PCM	●	●
I2C	●	●
Diversity Receiver	●	●

Certifications

Regulatory	CE/GCF*/FCC*/PTCRB*/ROHS/REACH	

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