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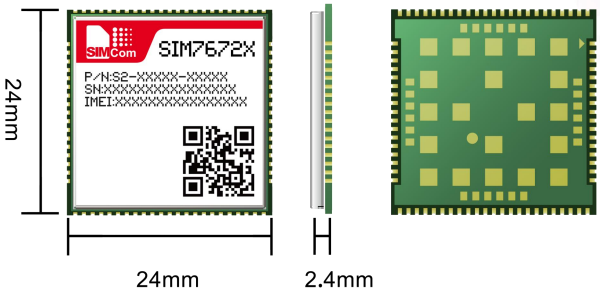
SIM7672G

SIMCom LTE Cat 1bis Module



Global Bands

CAT 1bis

LCC+LGA

TCP/IP

Compact Size

FOTA

WIFISCAN

GNSS#

LBS*

Product Description

SIM7672G is the LTE Cat 1bis module based on the latest QCX216 chipset that supports wireless communication modes of LTE-FDD/LTE-TDD. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

SIM7672G adopts LCC+LGA form factor and is compatible with A7672 series (Cat1 modules), SIM7000/SIM7070 series (NB/Cat M modules), and SIM800/SIM800F series (2G modules), which enables smooth migration from 2G/NB/Cat M products to LTE Cat 1bis products and greatly facilitates more compatible product design for the customer needs.

SIM7672G supports both multiple built-in network protocols and the drivers for three main operation systems (USB driver for Windows, Linux and Android). The software functions, AT commands are compatible with the SIM800 series modules. SIM7672G also integrates GPS/GLONASS/Galileo/BeiDou Multi-GNSS receiver as well as abundant industrial standard interfaces with powerful expansibility, such as UART, USB, I2C and GPIO, which makes it perfectly suitable for main IOT applications such as telematics, metering, surveillance devices, industrial routers, and remote diagnostics etc.

Key Benefits

- Compact size with abundant interfaces
- Abundant software functions: FOTA, SSL,LBS*
- High performance Multi-GNSS receiver integrated
- Form factor is compatible with the A7672/SIM7000/SIM7070 series and 2G SIM800F/SIM800

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General Features

Frequency Bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B18/B19/B20/B25/B26/ B28/B66/
	LTE-TDD: B34/B38/B39/B40/B41
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Normal Operation Temperature	-30℃ ~ +75℃
Extended Operation Temperature	-40℃ ~ +85℃
Dimensions	24*24*2.4mm
Weight	2.5g±0.1

Data Transfer

LTE Cat 1	Uplink up to 5Mbps
	Downlink up to10Mbps

Other Features

- USB Driver for Microsoft Windows 7/8/10
- USB Driver for Linux /Android
- RIL supporting for Android 5.0/6.0/7.0/8.0/9.0
- Firmware update via USB/FOTA
- TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/DNS
- RNDIS/PPP/ECM
- SSL
- WIFISCAN

Interfaces

- USB2.0
- UART
- (U)SIM card(1.8V/3V)
- PCM
- ADC
- I2C
- GPIO
- Antenna: Primary/GNSS*

Certifications

CE-RED/FCC/GCF/PTCRB/
AT&T/T-MOBILE/VERIZON*/
RCM*/IC*/NCC*/KC/CCC*/CTA*/SRRC*/
TELEC/JATE/KDDI*/DoCoMo*/
RoHS/REACH

Note

*: optional
#: developing/on-going/planning

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