SIM7672 Series

SIMCom LTE Cat 1bis Module

24mm
24mm   2.4mm

| Global Bands | CAT 1bis | LCC+LGA |
| TCP/IP | Compact Size | FOTA |
| WIFISCAN* | GNSS* | LBS* |
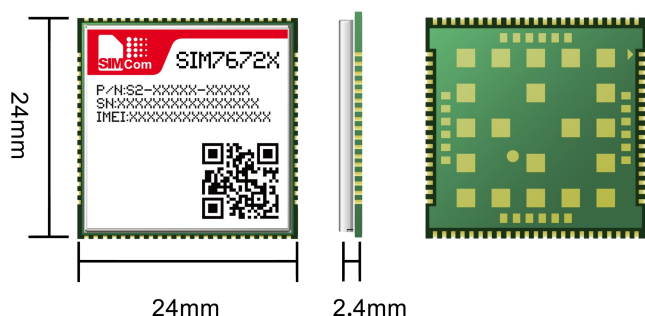
Product Description

SIM7672 series 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.

SIM7672 series 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 1 products and greatly facilitates more compatible product design for the customer needs.

SIM7672 series 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. SIM7672 series also integrates 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.
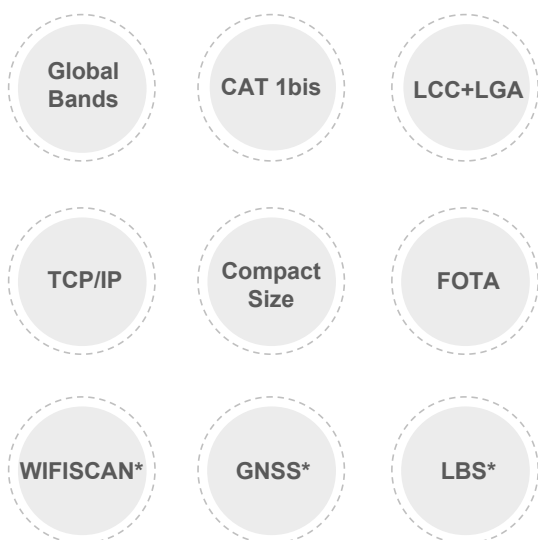
Key Benefits

◆ Compact size with abundant interfaces

◆ Abundant software functions: FOTA, LBS*, SSL

◆ Form factor is compatible with the A7672/SIM7000/SIM7070 series and 2G SIM800F/SIM800

Product	SIM7672G	SIM7672NA	SIM7672E
Form Factor	LCC+LGA	LCC+LGA	LCC+LGA
Dimensions(mm)	24.0*24.0*2.4	24.0*24.0*2.4	24.0*24.0*2.4
Frequency Bands — LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66/B71*	B2/B4/B5/B12/B13/B14*/B66/B71*	B1/B3/B5/B7/B8/B20/B28*
LTE-TDD	B34/B38/B39/B40/B41	NA	NA
GSM	NA	NA	NA
Temperature	-40℃ ~ +85℃	-40℃ ~ +85℃	-40℃ ~ +85℃

Electrical Features

Supply Voltage(V)	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2
Power Consumption (mA) LTE	TBD	TBD	TBD

Data Transfer

LTE(Mbps)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)

Software Features

Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/ FTPS /HTTP/HTTPS/DNS/MQTT	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/ FTPS /HTTP/HTTPS/DNS/MQTT	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/ FTPS /HTTP/HTTPS/DNS/MQTT
TLS	●	●	●
File System	●	●	●
WIFISCAN	o	o	o
LBS	o	o	o
FOTA	●	●	●
Android RIL	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0	Android 5.0/6.0/7.0/8.0/9.0
USB Driver	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android
WWAN (RNDIS)	●	●	●
ECM	●	●	●
Embedded AT	o	o	o
Firmware Upgrade	USB/FOTA	USB/FOTA	USB/FOTA

Interfaces

SIM Card	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V
UART	●	●	●
USB	●	●	●
ADC	●	●	●
PCM	●	●	●
GPIO	●	●	●
I2C	●	●	●
GNSS	o	o	o

Certification

Certification	FCC*/GCF*/PTCRB*/UKCA*/ CE-RED*/RCM*/IC*/NCC*/KC*/ TELEC*/JATE*/ANATEL*/3C*/ CTA*/SRRC*/RoHS*/ REACH*	FCC*/IC*/GCF*/PTCRB*/ RoHS*/ REACH*	CE-RED*/UKCA*/RCM*/ RoHS*/ REACH*

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