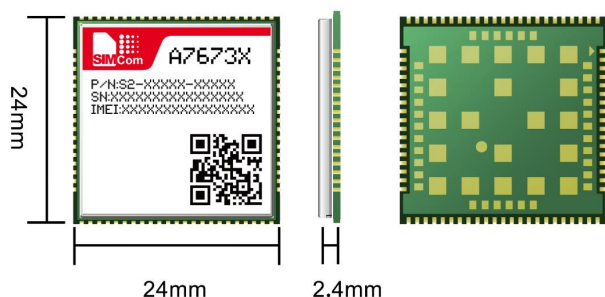


A7673X Series

SIMCom LTE Cat 1bis Module

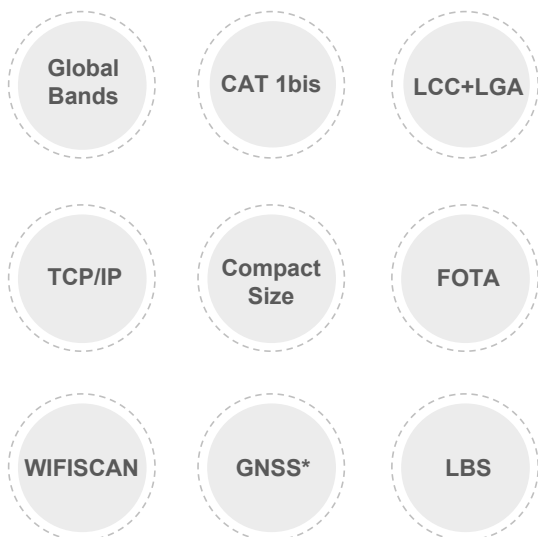


Product Description

A7673X series is the LTE Cat 1bis module based on the latest ASR1606 chipset that supports wireless communication modes of LTE-FDD. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7673X series adopts LCC+LGA form factor and is compatible with A7670 R2 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.

A7673X 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. A7673X 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 A7670/SIM7000/SIM7070 series and 2G SIM800F/SIM800

Product	A7673E	A7673SA	
Form Factor	LCC+LGA	LCC+LGA	
Dimensions(mm)	24.0*24.0*2.4	24.0*24.0*2.4	
Frequency Bands	LTE-FDD	B1/B3/B5/B7/B8/B20/B28	B1/B2/B3/B4/B5/B7/B8/B28/B66
	LTE-TDD	NA	NA
	GSM	NA	NA
Temperature	-40°C ~ +85°C	-40°C ~ +85°C	
Electrical Features			
Supply Voltage(V)	3.4~ 4.2	3.4~ 4.2	
Power Consumption LTE (mA)	TBD	TBD	
Data Transfer			
LTE(Mbps)	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	
TLS	●	●	
File System	●	●	
WIFISCAN	○	○	
LBS	○	○	
FOTA	●	●	
Android RIL	Android 7.0/8.0/9.0/10.0	Android 7.0/8.0/9.0/10.0	
USB Driver	Microsoft Windows 7/8/10 Linux/Android	Microsoft Windows 7/8/10 Linux/Android	
WWAN (RNDIS)	●	●	
VoLTE	○	○	
WifiScan	●	●	
ECM	●	●	
Embedded AT	○	○	
Firmware Upgrade	USB/FOTA	USB/FOTA	
Interfaces			
SIM Card	1.8V/3.0V	1.8V/3.0V	
UART	●	●	
USB	●	●	
ADC	●	●	
AUDIO	●	●	
GPIO	●	●	
I2C	●	●	
GNSS	○	○	
Support multi-GNSS Systems	GPS/BeiDou/GLONASS	GPS/BeiDou/GLONASS	
Certification			
Certification	CE-RED*/UKCA*/RCM*/ RoHS*/ REACH*	FCC/ANATEL/ RoHS*/ REACH*	

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