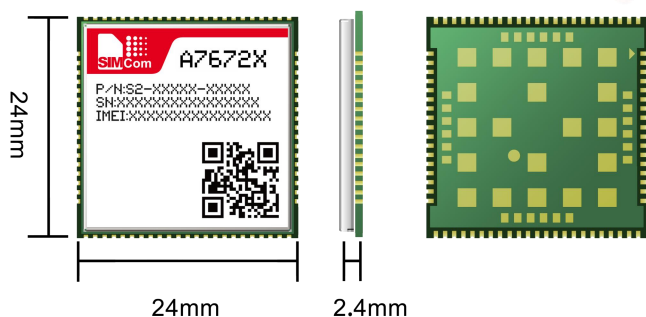


A7672 Series

SIMCom LTE Cat 1 Module

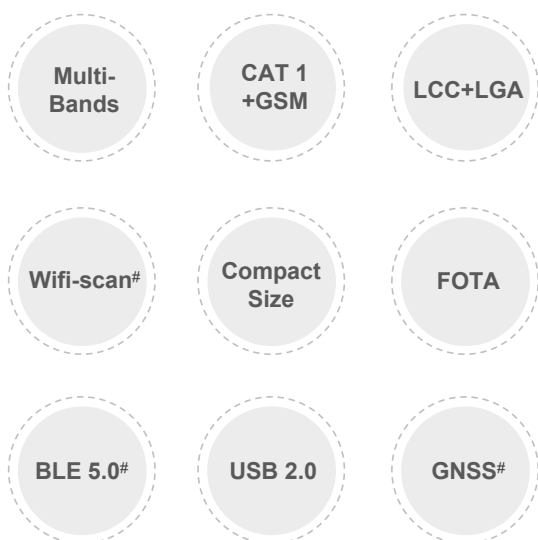


Product Description

Based on ASR1603 platform, A7672 series is the LTE Cat 1 module that supports wireless communication modes of LTE-FDD/LTE-TDD#/GSM#/GPRS#/EDGE#. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7672 series adopts LCC+LGA form factor and is compatible with SIM7000/SIM7070 series (NB/Cat M modules), and SIM800A/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.

A7672 series supports both multiple built-in network protocols and the drivers for main operation systems (USB driver for Windows, Linux and Android). The software functions, AT commands are compatible with the SIM800 series modules. A7672 series also can support BLE# and GNSS# and it 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, POS, surveillance devices, industrial routers, and remote diagnostics etc.



Key Benefits

- ◆ Compact size with abundant interfaces
- ◆ Supports BLE, Wifi-scan and GNSS functions#
- ◆ Abundant software functions: FOTA, SSL
- ◆ Form factor is compatible with the SIM7000/SIM7070 series

Product	A7672E	A7672SA	A7672S	A7672G
Form Factor	LCC+LGA	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	24.0*24.0*2.4
Frequency Bands	LTE-FDD	B1/B3/B5/B7/B8/B20/B28#	B1/B3/B5/B8	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66
	LTE-TDD	NA	NA	B38/B39/B40/B41
	GSM	GSM/GPRS/EDGE 900/1800 MHz	GSM/GPRS/EDGE 900/1800 MHz	GSM/GPRS/EDGE 900/1800 MHz
Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Electrical Features				
Supply Voltage(V)	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2	3.4~ 4.2
Power Consumption(mA)	1.5@LTE	1.5@LTE	1.5@LTE	1.5@LTE
Data Transfer				
LTE(Mbps)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)	10(DL)/5(UL)
EDGE(Kbps)	236.8(DL/UL)	236.8(DL/UL)	236.8(DL/UL)	236.8(DL/UL)
GPRS(Kbps)	85.6(DL/UL)	85.6(DL/UL)	85.6(DL/UL)	85.6(DL/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	TCP/IP/IPV4/IPV6/ Multi-PDP/FTP/ FTPS /HTTP/HTTPS/DNS/MQTT
TLS	•	•	•	•
Jamming Detection	○	○	○	○
TTS	○	○	○	○
File System	•	•	•	•
WIFISCAN	○	○	•	•
BLE 5.0	○	○	○	NA
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	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	Microsoft Windows 7/8/10 Linux/Android
WWAN (RNDIS)	•	•	•	•
ECM	•	•	•	•
Embedded AT	○	○	○	○
Firmware Upgrade	USB/FOTA	USB/FOTA	USB/FOTA	USB/FOTA
Interfaces				
SIM Card	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V	1.8V/3.0V
UART	•	•	•	•
USB	•	•	•	•
ADC	•	•	•	•
Analog audio	•	•	•	•
PCM	○	○	○	○
GPIO	•	•	•	•
I2C	•	•	•	•
GNSS	○	○	○	NA
LCD	•	•	•	•
Camera	•	•	•	•
Certification				
Certification	RoHS/REACH/CE-RED/ RCM/UKCA*/NCC/ GCF*/Deutsche Telekom/BT	RoHS/REACH/CE-RED/ RCM/NCC/FCC/Anatel		RoHS/REACH/CE-RED/FCC/Anatel*

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