A7672S

SIMCom LTE Cat 1 Module

24mm
24mm
2.4mm

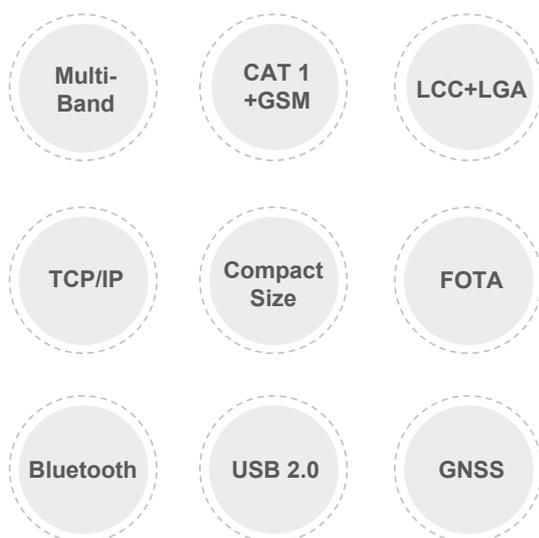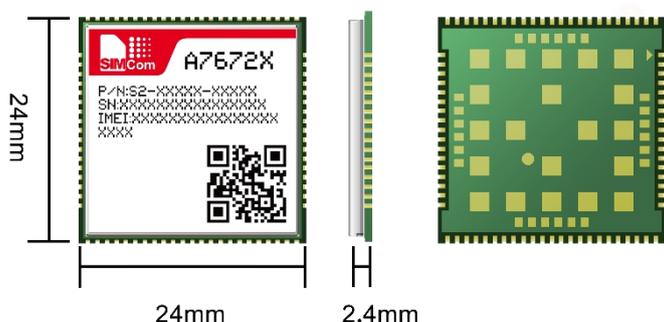Multi-Band

CAT 1 +GSM

LCC+LGA

TCP/IP

Compact Size

FOTA

Bluetooth

USB 2.0

GNSS

Product Description

A7672S is the LTE Cat 1 module which supports wireless communication modes of LTE-FDD/GSM/GPRS/EDGE. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7672S adopts LCC+LGA form factor and is compatible with SIM7000/SIM7070 series (NB/Cat M modules), and SIM800A/SIM800F(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.

A7672S supports multiple built-in network protocols and drivers for main operation systems (USB driver for Windows, Linux and Android). The software functions, AT commands are compatible with the SIM800 series modules. Meanwhile A7672S also supports 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, surveillance devices, industrial routers, and remote diagnostics etc.

Key Benefits

◆ Compact size with abundant interfaces

◆ Supports BLE and GNSS functions*

◆ Abundant software functions: FOTA, LBS, SSL

◆ Form factor is compatible with the SIM7000/SIM7070 series

General Features

Frequency Bands	LTE-FDD B1/B3/B5/B8
	LTE-TDD B34/B38/B39/B40/B41
	GSM/GPRS/EDGE 900/1800 MHz
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Operation temperature	-40℃ ~ +85℃
Dimensions	24*24*2.4mm
Weight	2.8±0.1g

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/HTTP/DNS
RNDIS/PPP/ECM
MQTT/MQTTS
TLS1.2
LBS
TTS*
WIFI Scan

Data Transfer

LTE Cat 1	Uplink up to 5Mbps
	Downlink up to10Mbps
EDGE	Uplink/Downlink up to 236.8Kbps
GPRS	Uplink/Downlink up to 85.6Kbps

Interfaces

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

Note

*: optional
#: on going