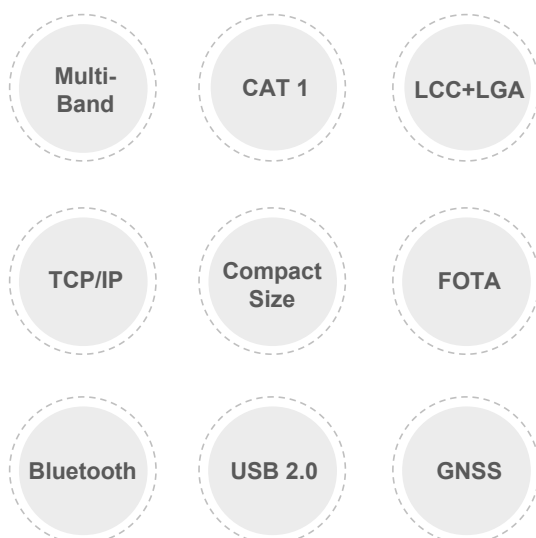
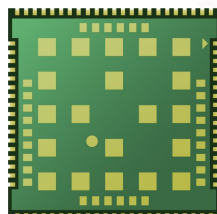
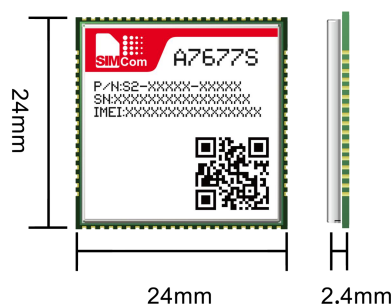


A7677S Series

SIMCom LTE Cat 1 Module



Product Description

A7677S series is the LTE Cat 1 module based on the latest ASR1606 platform. It supports wireless communication modes of LTE-FDD/LTE-TDD and supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7677S series adopts LCC+LGA form factor and is compatible with A7672S, 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.

A7677S series 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 A7677S series 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
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Operation temperature	-40°C ~ +85°C
Dimensions	24*24*2.4mm
Weight	2.3±0.1g

Data Transfer

LTE Cat 1	Uplink up to 5Mbps
	Downlink up to 10Mbps

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
WIFI Scan

Interfaces

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

Note

*: optional
#: on going