A7670G

SIMCom LTE Cat 1 Module

24mm

24mm 2.4mm

Multi-Band

CAT 1 +GSM

LCC+LGA

TCP/IP

Compact Size

FOTA

IPv6

Global Coverage

LBS
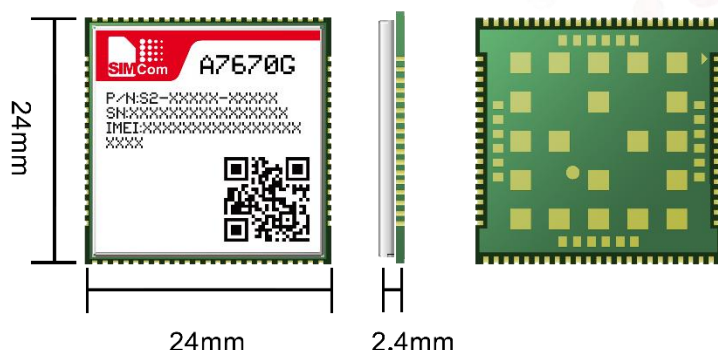
## Product Description

A7670G is the LTE Cat 1 module that supports wireless communication modes of LTE-FDD/TDD/GSM/GPRS/EDGE. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7670G adopts LCC+LGA form factor and is compatible with SIM7070G ,which enables smooth migration from 2G/NB/Cat M products to LTE Cat 1 products. Its band combination supports global coverage and this greatly facilitates more compatible product design for the global customer needs.

A7670G 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 A7670X series modules. A7670G 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.
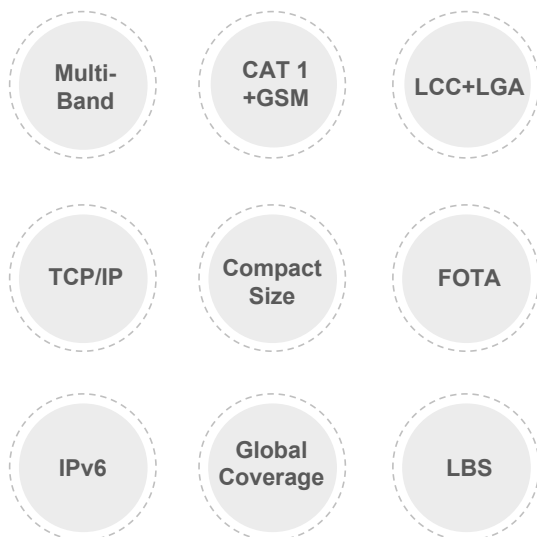
Key Benefits

◆ Compact size with abundant interfaces

◆ Suitable for LTE and GSM network with global coverage

◆ Abundant software functions: FOTA, LBS, SSL and support OpenCPU

◆ Form factor is compatible with the A7670X/A7672X/SIM7070G/ series

General Features

Frequency Bands	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66/
	LTE-TDD B38/B39/B40/B41
	GSM/GPRS/EDGE 850/900/1800/1900 MHz
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Operation temperature	-40℃ ~ +85℃
Dimensions	24*24*2.4mm
Weight	TBD

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

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

Interfaces

USB2.0

UART

(U)SIM card(1.8V/3V)

Analog audio

ADC

I2C

GPIO

Antenna: Primary

Certifications

3C#/SRRC#/NAL#

CE#/FCC#/RoHS#/REACH#

Note

*: optional
#: on going