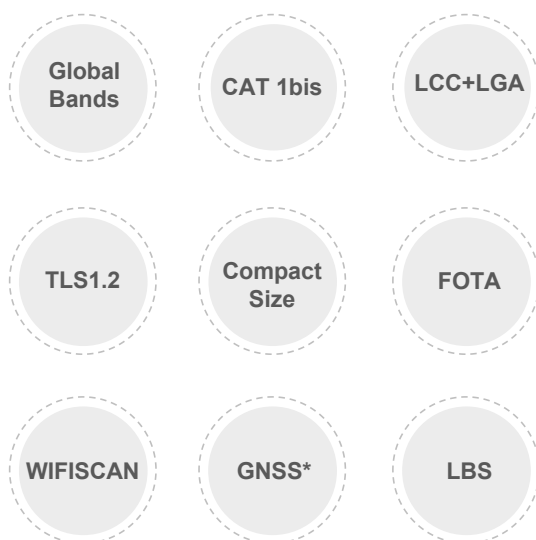
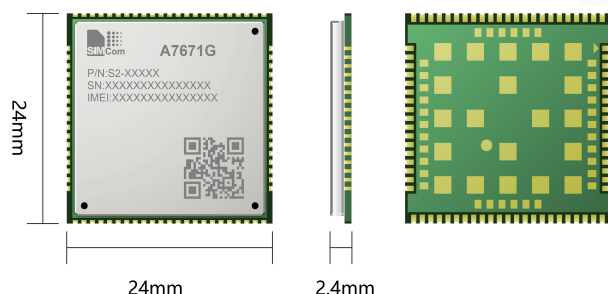


A7671G Series

SIMCom LTE Cat 1bis Module



Product Description

A7671G series is the LTE Cat 1bis module based on the latest ASR1605 chipset that supports wireless communication modes of LTE-FDD/LTE-TDD. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7671G series adopts LCC+LGA form factor and is compatible with A7672 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.

A7671G R6 series supports both multiple built-in network protocols and the drivers for main operation systems (Windows, Linux and Android) and software functions. AT commands are compatible with the SIM800 series modules. Some models of the A7671G series can integrate Multi-Mode GNSS system. In addition, A7671G R6 series 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

- ◆ Global bands coverage with abundant interfaces
- ◆ Abundant software functions
- ◆ Form factor is compatible with the A7672/SIM7000/SIM7070 series

General Features

Frequency Bands	LTE-TDD B34/B38/B39/B40/B41
	LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66
Supply Voltage	3.3V ~ 4.2V, Typ: 3.8V
Normal Operation Temperature	-30°C ~ +75°C
Extended Operation Temperature	-40°C ~ +85°C
Dimensions	24.0*24.0*2.4mm
Weight	2.8±0.1g
Control Via AT Commands	

Data Transfer

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

Other Features

USB Driver for Microsoft Windows 7/8/10/11
USB Driver for Linux /Android
RIL supporting for Android 7.0~13.0
Firmware update via USB/FOTA
TCP/UDP/FTP(S)/HTTP(S)/MQTT(S)/HTP/NTP
RNDIS/ECM/PPP
TLS1.2
LBS
WiFi Scan
Multi-Mode GNSS*: GPS/GLONASS/BeiDou/Galileo

Interfaces

USB2.0
UART
USIM card(1.8V/3V)
ADC
GPIO
SPI
I2C
Antenna: Primary/GNSS*

Certifications

FCC#/PTCRB#/Anatel#/CE#/Cyber Security#
RoHS#/REACH#

Note

*: optional
#: on going