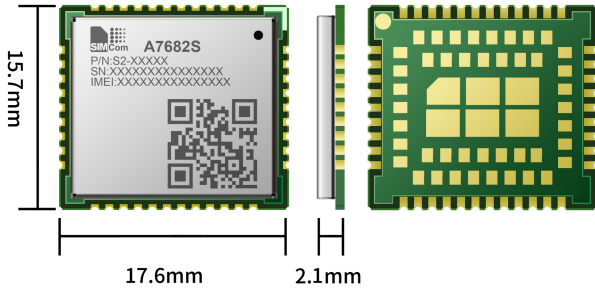


# A7682S

## SIMCom LTE Cat 1bis Module

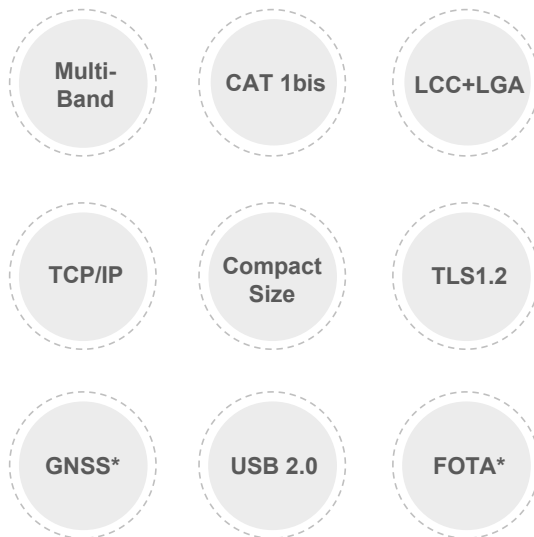


### Product Description

A7682S is the LTE Cat 1bis module which supports wireless communication modes of LTE-FDD/LTE-TDD based on the latest ASR1602 platform. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7682S adopts LCC+LGA form factor and is compatible with SIM800C and SIM868(2G modules), which enables smooth migration from 2G products to LTE Cat 1 products, and greatly facilitates more compatible product design for the customer needs.

A7682S 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 A7682S series modules. Meanwhile A7682S 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
- ◆ Abundant software functions: FOTA, LBS, GNSS\*
- ◆ Form factor is compatible with the SIM800C 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	15.7*17.6*2.1mm
Weight	1.1g±0.1g

## Data Transfer

LTE Cat 1bis	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 7.0/8.0/9.0/10.0
Firmware update via USB/FOTA
TCP/UDP/IPV4/IPV6/FTP/FTPS/HTTP/HTTPS/HTP/NTP
RNDIS/PPP/ECM
MQTT/MQTTS
LBS
Multi-GNSS receiver: GPS/GLONASS/BeiDou

## Interfaces

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

### Note

\*: optional  
#: on going