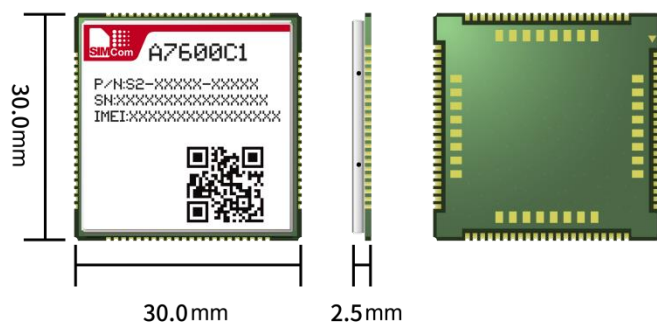


A7600C1

SIMCom LTE Cat 1 Module



Product Description

A7600C1 is the LTE Cat 1 module which supports wireless communication modes of LTE-TDD/LTE-FDD/GSM*/GPRS*/EDGE*. It supports maximum 10Mbps downlink rate and 5Mbps uplink rate.

A7600C1 adopts LCC+LGA form factor and is compatible with SIM5320/SIM5360 series(UMTS/HSPA+ modules), and SIM7600/SIM7600-H series(LTE modules), which enables smooth migration from 3G products to LTE products, and greatly facilitates more compatible product design for the customer needs.

A7600C1 supports multiple built-in network protocols, supports drivers for main operation systems (USB driver for Windows, Linux and Android etc.) and software function. Meanwhile A7600C1 integrates main industrial standard interfaces, with powerful expansibility, including abundant interfaces such as UART, USB, I2C, GPIO, which is suitable for main IOT applications such as telematics, surveillance devices, POS, industrial routers, and remote diagnostics etc.

Key Benefits

- ◆ LCC+LGA form factor with abundant interfaces
- ◆ Suitable for China LTE and GSM networks
- ◆ Abundant software functions: FOTA, LBS, SSL
- ◆ Offer high cost-performance

General Features

Frequency Bands	LTE-TDD B34/B38/B39/B40/B41
	LTE-FDD B1/B3/B5/B8
	GSM/GPRS/EDGE 900/1800 MHz
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Operation temperature	-40°C ~ +85°C
Dimensions	30.0*30.0*2.5mm
Weight	4.6±0.1g

Data Transfer

LTE Cat 1	Uplink up to 5Mbps
	Downlink up to 10Mbps
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/FTPS/HTTP/HTTPS/DNS
RNDIS/PPP/ECM
SMS
SSL
Wifi-scan*

Interfaces

USB2.0
UART
(U)SIM card(1.8V/3V)
PCM*
MMC/SD
Keypad*
LCM*
Camera*
ADC
I2C
GPIO
Antenna: Primary

Certifications

3C/SRRC/NAL
RoHS#/REACH#

Note

*: optional
#: on going