A7600E

SIMCom LTE Cat 1 Module

30.0mm

30.0 mm   2.5 mm

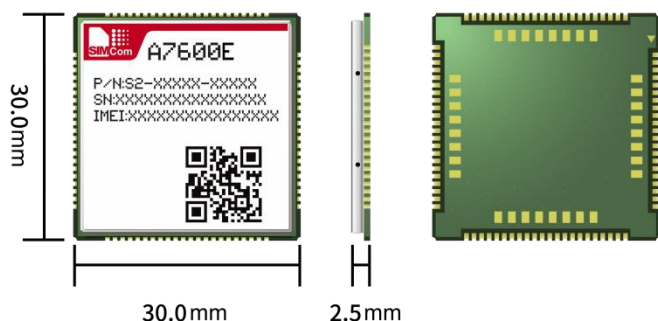| Multi-Band | Cat 1 | LCC+LGA |
| TCP/IP | Compact Size | FOTA |
| IPV6 | USB 2.0 | SSL |

Product Description

A7600E 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.

A7600E 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.

A7600E supports multiple built-in network protocols, supports drivers for main operation systems (USB driver for Windows, Linux and Android etc.) and software function, AT commands are compatible with the SIM7600 series modules. Meanwhile A7600E 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 LTE and GSM networks

◆ Abundant software functions: FOTA, LBS, SSL

◆ AT commands of A7600E are compatible with the SIM7600 series modules

General Features

Frequency Bands	LTE-TDD B38/B40
	LTE-FDD B1/B3/B5/B7/B8/B20
	GSM/GPRS/EDGE 900/1800 MHz
Supply Voltage	3.4V ~ 4.2V, Typ: 3.8V
Control Via AT Commands	
Operation temperature	-40℃ ~ +85℃
Dimensions	30.0*30.0*2.5mm
Weight	4.6±0.1g

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

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

Interfaces

USB2.0

UART

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

PCM*

MMC/SD

ADC

I2C

GPIO

Antenna: Primary/GNSS*

Certifications

CE#/RoHS#/REACH#

Note

*: optional
#: on going