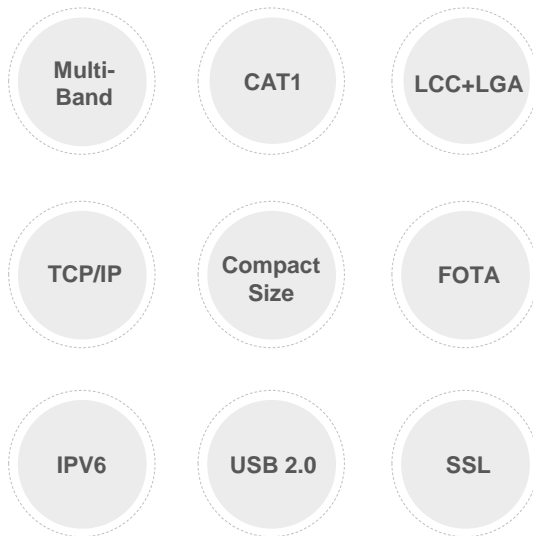
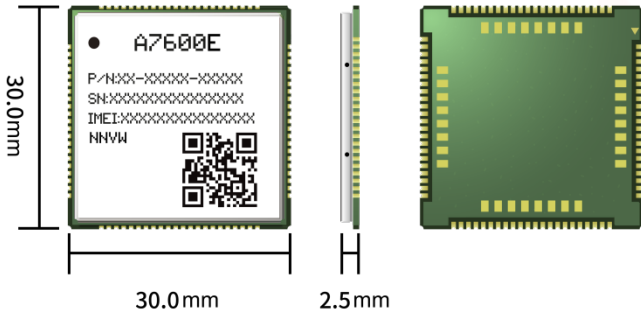


# A7600E

## SIMCom LTE Cat1 Module



## Product Description

A7600E is a LTE CAT1 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 UMTS/HSPA+ modules SIM5320/SIM5360 series, and LTE modules SIM7600/SIM7600-H series, 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 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 package with abundant interfaces.
- ◆ Suitable for LTE and GSM networks.
- ◆ Abundant software functions: FOTA, LBS, SSL.
- ◆ The AT commands of A7600E are mostly compatible with SIM7600 Series modules.

## General Features

Frequency Bands	TDD-LTE B38/B40
	FDD-LTE 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°C ~ +85°C
Dimensions	30.0*30.0*2.5mm
Weight	4.6±0.1g

## Data Transfer

LTE CAT4	Uplink up to 50Mbps,
	Downlink up to 150Mbps
EDGE Class	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/MultiPDP/FTP/FTPS/HTTP/HTTPS /DNS
RNDIS/PPP/ECM
SMS
SSL

## Interfaces

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

## Certifications

CE#
RoHS#/REACH#

### Note

\*: optional  
#: on going