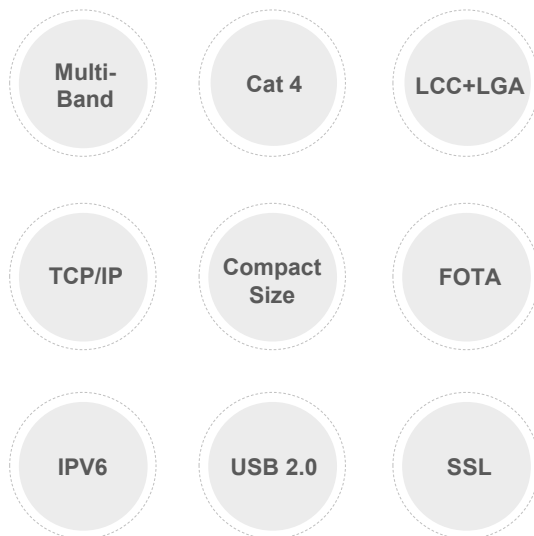
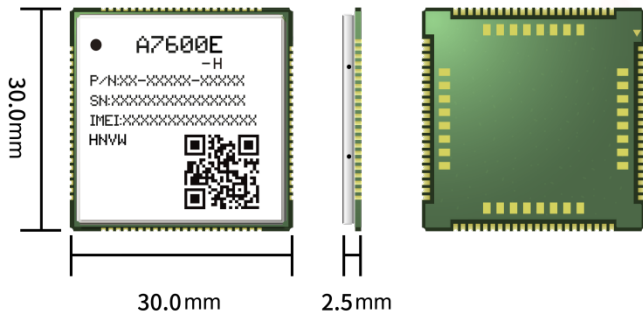


# A7600E-H

## SIMCom LTE Cat 4 Module



### Product Description

A7600E-H is the LTE Cat 4 module which supports wireless communication modes of LTE-TDD/LTE-FDD/HSPA+/GSM/GPRS/EDGE. It supports maximum 150Mbps downlink rate and 50Mbps uplink rate.

A7600E-H 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-H 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-H 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, CPE, industrial routers, and remote diagnostics etc.

### Key Benefits

- ◆ LCC+LGA form factor with abundant interfaces
- ◆ Suitable for LTE, UMTS and GSM networks
- ◆ Abundant software functions: FOTA, LBS, SSL
- ◆ The AT commands of A7600E-H are compatible with SIM7600 series modules

## General Features

|                         |                            |
|-------------------------|----------------------------|
| Frequency Bands         | LTE-TDD B38/B40            |
|                         | LTE-FDD B1/B3/B5/B7/B8/B20 |
|                         | UMTS/HSPA+ B1/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 4 | Uplink up to 50Mbps             |
|           | Downlink up to 150Mbps          |
| HSPA+     | Uplink up to 5.76Mbps           |
|           | Downlink up to 42 Mbps          |
| UMTS      | Uplink/Downlink up to 384Kbps   |
| EDGE      | Uplink/Downlink up to 236.8Kbps |
| GPRS      | Uplink/Downlink up to 85.6Kbps  |

### Note

\*: optional  
#: on going

## 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*                  |
| MMC/SD                |
| SDIO*                 |
| ADC                   |
| I2C                   |
| GPIO                  |
| Antenna: Primary      |

## Certifications

CE/RoHS#/REACH#