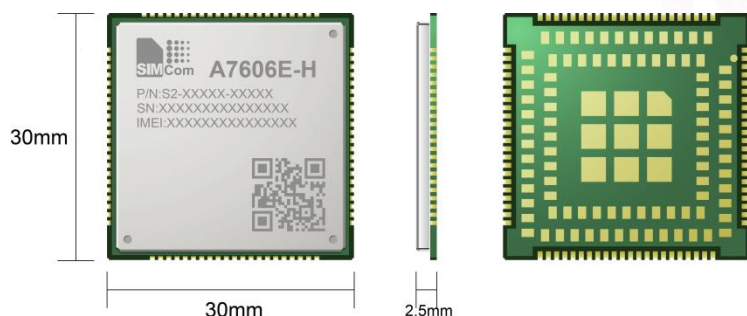


A7606E-H

SIMCom LTE Cat 4 Module

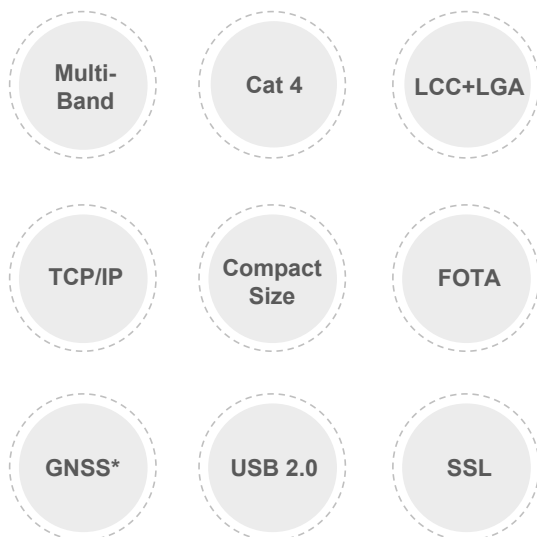


Product Description

A7606E-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.

A7606E-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.

A7606E-H supports multiple built-in network protocols, supports drivers for main operation systems (USB driver for Windows, Linux and Android etc.) and software function. Meanwhile A7606E-H integrates main industrial standard interfaces, with powerful expansibility, including abundant interfaces such as UART, USB, I2C, GPIO, which is suitable for automotive and payment industries.



Key Benefits

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

General Features

	LTE-TDD B38/B40/B41
Frequency Bands	LTE-FDD B1/B3/B5/B7/B8/B20/B28*
	UMTS/HSPA+ B1/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 4	Uplink up to 50Mbps
	Downlink up to 150Mbps
HSPA+	Uplink up to 5.76Mbps
	Downlink up to 21.6Mbps
UMTS	Uplink/Downlink up to 384Kbps
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 5.0/6.0/7.0/8.0/9.0/10.0/11.0/12.0
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
Analog audio
RGMI
PCIE* (Host Mode)
MMC/SD
SDIO*
ADC
I2C
GPIO
MIPI: Supports up to 480*854 resolution screens
SPI
Antenna: Primary/Diversity*/GNSS*

Certifications

CE*

Note

*: optional

#: under developing/on-going/planning