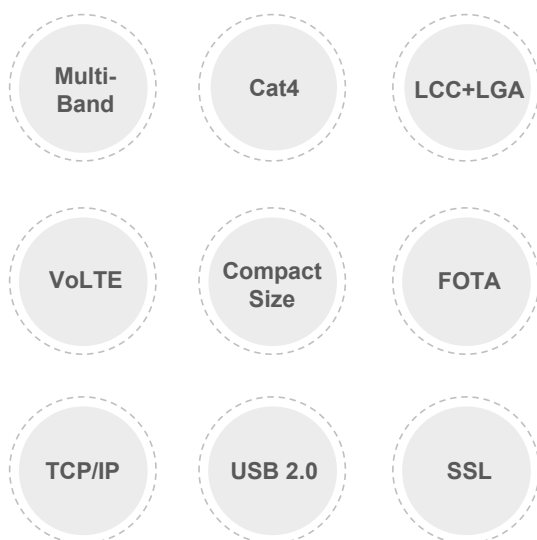
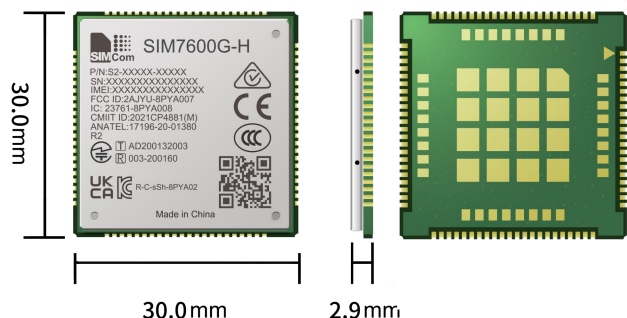


SIM7600G-H

SIMCom LTE Cat4 Module



Product Description

The SIM7600G-H is the LTE Cat4 module which supports wireless communication modes of LTE-TDD/LTE-FDD /HSPA+/GSM/GPRS/EDGE etc. It supports maximum 150Mbps downlink rate and 50Mbps uplink rate.

The SIM7600G-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.

The SIM7600G-H integrates multiple satellite high accuracy positioning GNSS systems, with 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 SIM7500/SIM7600 series modules. Meanwhile the SIM7600G-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 and remote diagnostics etc.

Key Benefits

- ◆ LCC+LGA form factor with abundant interfaces
- ◆ Suitable for LTE, UMTS and GSM networks with global coverage
- ◆ Abundant software functions: FOTA, TLS, VoLTE
- ◆ Multi-constellation GNSS receiver support*
- ◆ AT commands of the SIM7600G-H are compatible with the SIM7500/SIM7600 series modules

General Features

| | |
|-------------------------|--|
| Frequency Bands | LTE-TDD B34/B38/B39/B40/B41 |
| | LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66 |
| | UMTS/HSPA+ B1/B2/B4/B5/B6/B8/B19 |
| | GSM/GPRS/EDGE 850/900/1800/1900 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*2.9mm |
| Weight | 5.7±0.1g |

Data Transfer

| | |
|----------|---------------------------------|
| LTE Cat4 | 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

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/NDIS/ECM |
| MBIM to Win8 |
| SSL3.0/TLS1.0/TLS1.2 |
| DTMF*/Audio Playing* |
| USB Audio* and VoLTE* |
| FOTA |

Interfaces

| |
|---|
| USB2.0 |
| UART |
| (U)SIM card(1.8V/3V) |
| PCM* |
| SGMII* |
| MMC/SD |
| SDIO |
| ADC |
| I2C |
| GPIO |
| Antenna: Support Primary/Rx-diversity/GNSS* |

Certifications

| |
|---|
| CE/RCM/FCC/IC/Anatel/IMDA/ICASA/NBTC |
| CCC/Telec/Jate/KC/SRRC |
| PTCRB/GCF |
| T-mobile/AT&T/U.S. Cellular/Verizon/Telstra/DEUTSCHE TELEKOM/Orange |
| RoHS/REACH |