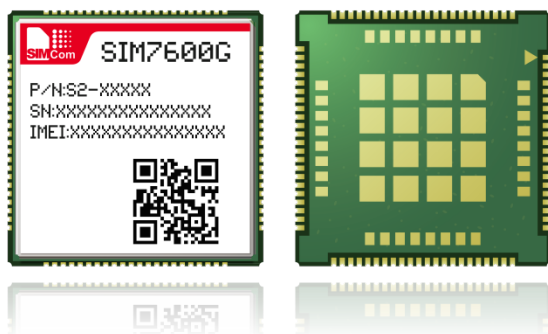


# SIM7600G



Multi-Band

FOTA

I2C

VoLTE

Compact  
Size

SDIO

TCP/IP

USB 2.0

SSL

## Product Description

The SIM7600G is Multi-Band LTE-FDD/LTE-TDD/HSPA+ and GSM/GPRS/EDGE module solution in a SMT type which supports LTE CAT1 up to 10Mbps data transfer. It has strong extension capability with rich interfaces including UART, USB2.0, GPIO etc. The module provides much flexibility and ease of integration for customer's application.

The package of SIM7600G is LCC+LGA. The package (LCC part) of SIM7600G is compatible with SIM7600x (LTE CAT-1 Variants module with LCC package). AT commands of SIM7600G are mostly compatible with SIM7500/SIM7600 Series modules. This also minimize the investments of customers, and enables a short time-to-market. It is designed for applications that need high throughput data communication in a variety of radio propagation conditions. Due to the unique combination of performance, security and flexibility, this module is ideally suited for many applications.

## Key Benefits

- LCC+LGA package.
- Downlink up to 10Mbps, Uplink up to 5Mbps.
- The AT commands of SIM7600G are mostly compatible with SIM7500/SIM7600 Series modules.

**Smart machine Smart decision**

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## General Features

- Supply voltage range: 3.4V ~ 4.2V, Typ: 3.8V
- Control Via AT Commands
- Operation temperature: -40°C to +85°C
- Dimensions: 30.0\*30.0\*2.9mm
- Weight: 5.7g
- LTE-FDD/LTE-TDD/UMTS/HSDPA/HSUPA/HSPA+/GSM/GPRS/EDGE

## Data

- LTE CAT1
  - Uplink up to 5Mbps
  - Downlink up to 10Mbps
- HSDPA/HSUPA
  - Uplink up to 2.2Mbps
  - Downlink up to 2.8Mbps
- HSPA+
  - Uplink up to 5.76Mbps
  - Downlink up to 42.0Mbps
- UMTS
  - Uplink/Downlink up to 384.0Kbps
- EDGE
  - Uplink/Downlink up to 236.8Kbps
- GPRS
  - Uplink/Downlink up to 85.6Kbps

## Frequency

LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66
LTE-TDD	B34/B38/B39/B40/B41
UMTS/HSDPA/HSPA+	B1/B2/B4/B5/B6/B8/B19
GSM/GPRS/EDGE	850/900/1800/1900MHz

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## Interfaces

- USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8/Win10
- USB Driver for Linux /Android
- RIL supporting for Android 2.3/4.0/5.0/6.0/7.0
- MBIM to Win8
- Firmware update via USB
- TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/HTTP/HTTPS/SMTP/SMTPS/DNS
- SSL3.0/TLS1.0/TLS1.2
- DTMF (Sending and Receiving)
- Audio Playing
- USB Audio and VoLTE
- FOTA

## Other Features

- USB2.0 with High speed up to 480Mbps
- UART
- (U)SIM card (1.8V /3.0V)
- Digital Audio through PCM
- SGMII\*
- MMC/SD
- SDIO
- ADC
- I2C
- GPIO
- Antenna: Support Primary/Rx-diversity /GNSS

## Approvals

- RoHS\*
- REACH\*
- CE\*
- FCC\*

\* Under Development