



SIM7600X

SIM7600X is a complete multi-band LTE-FDD/LTE-TDD/HSPA+/UMTS/EDGE/GPRS/GSM module solution in LCC type which supports LTE CAT1 up to 10Mbps for downlink and 5Mbps for uplink data transfer. Designed in the compact and unified form factor, **SIM7600X** is compatible with SIMCom HSPA+ **SIM5360** module/LTE CAT3 **SIM7100** and LTE CAT4 **SIM7600X-H** module, which allows customer to design their application once for different technology and benefit from great development time-saving.

Smart Machine Smart Decision

Variant for EMEA/Korea/Thailand

SIM7600E:

- LTE-TDD B38/B40/B41
- LTE-FDD B1/B3/B5/B7/B8/B20
- UMTS/HSPA+ B1/B5/B8
- GSM/GPRS/EDGE B3/B8

Variant for North America

SIM7600A:

- LTE-FDD B2/B4/B12
- UMTS/HSPA+ B2/B5

Variant for Australia/New Zealand/South America

SIM7600SA:

- LTE-TDD B40
- LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28
- UMTS/HSPA+ B1/B2/B5/B8
- GSM/GPRS/EDGE 850/900/1800/1900MHz

General features

- LCC Package
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V, 3.8V Typical
- Operation temperature: -40°C to +85°C
- Dimension: 30*30*2.9mm
- Weight: 5.7g
- Bandwidth: 1.4/3/5/10/15/20MHz
- 3GPP E-UTRA Release 11

Specifications for Data transfer

- LTE CAT1
 - Uplink up to 5Mbps
 - Downlink up to 10Mbps
- HSPA+
 - Uplink up to 5.76 Mbps
 - 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

Other features

- USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8/Win10
- USB Driver for Linux /Android
- RIL supporting for Android 2.4/4.0/5.0/6.0/7.0
- MBIM to Win8
- Firmware update via USB
- TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS /HTTP/HTTPS/DNS
- SSL3.0/TLS1.0/TLS1.2
- DTMF (Sending and Receiving)
- Audio Playing
- USB Audio and VoLTE
- FOTA

Interfaces

- USB2.0 with High speed up to 480Mbps
- UART
- GPIO
- Antenna: Solder pads for Primary, Rx-diversity and GNSS antennas
- (U)SIM card (1.8V/3.0V)
- Digital Audio through PCM
- MMC/SD
- ADC
- GNSS: GPS/GLONASS/Beidou/Galileo*

Approvals

- RoHS Compliant
- CE(SIM7600E/SIM7600SA*)
- FCC/PTCRB/AT&T* (SIM7600A)
- ACMA* (SIM7600SA)

*Under Development/Testing

More about SIMCom SIM7600X
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