



## SIM7600X-H Mini PCIe



SIM7600X-H Mini PCIe is a complete multi-band LTE-FDD/LTE-TDD/HSPA+/UMTS/EDGE/GPRS/GSM module solution in Mini PCIe type which supports LTE CAT4 up to 150Mbps for downlink and 50Mbps for uplink data transfer. It is combined with a SIM7600X-H (LCC) module and a Mini PCIe adapter board.

### Smart Machine Smart Decision

#### Variant for EMEA/Korea/Thailand

##### SIM7600E-H Mini PCIe

- 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-H Mini PCIe

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

##### SIM7600V-H Mini PCIe

- LTE-FDD B2/B4/B5/B13

#### Variant for Australia/New Zealand/South America

##### SIM7600SA-H Mini PCIe

- 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

#### Variant for Japan

##### SIM7600JC-H Mini PCIe

- LTE-FDD B1/B3/B8/B18/B19/B26

#### General features

- Mini PCIe package
- Control Via AT Commands
- Supply voltage range: 3.0V~ 3.6V, 3.3V Typical
- Operation temperature: -40°C to +85°C
- Dimension: 50.8\*31\*5.35mm
- Weight: 12.6g
- Bandwidth: 1.4/3/5/10/15/20MHz
- 3GPP E-UTRA Release 11

#### Specifications for Data transfer

- LTE CAT4
  - Uplink up to 50Mbps
  - Downlink up to 150Mbps
- 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/SMTP/SMTPS/DNS
- SSL3.0/TLS1.0/TLS1.2
- DTMF (Sending and Receiving)
- Audio Playing
- USB Audio and VoLTE
- FOTA
- eCall\*

#### Interfaces

- USB2.0 with High speed up to 480Mbps
- UART
- GPIO
- Antenna: DL MIMO, Support Rx-diversity/GNSS active antenna
- (U)SIM card (1.8V/3.0V)
- Digital Audio through PCM (SIM7600X-H-PCIE)
- Analog Audio (SIM7600X-H-PCIEA)
- Embedded SIM card socket (SIM7600X-H-PCIE-SIM)
- GNSS: GPS/GLONASS/Beidou/Galileo

#### Approvals

- RoHS Compliant
- CE(RED)/Deutsche Telekom/Orange\*/TIM\* (Europe)
- FCC/PTCRB/AT&T/GCF\*/Verizon\* (North America)
- CE(RED)/ACMA\*/Telstra\* (Australia)
- JATE/TELEC (Japan)

\*Under Development/Testing

#### More about SIMCom SIM7600X-H Mini PCIe Please contact:

Tel: +86-21-31575100 / +86-21-31575200

Email: [simcom@simcom.com](mailto:simcom@simcom.com)

Website: [www.simcomm2m.com](http://www.simcomm2m.com)