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## SIM7600X-H Mini PCIE



**SIM7600X-H-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 module and a Mini PCIE adapter board.**

### Smart Machine Smart Decision

#### Variant for EMEA/Korea/Thailand

##### **SIM7600E-H-PCIE**

- LTE-TDD B38/B40/B41
- LTE-FDD B1/B3/B5/B7/B8/B20
- UMTS/HSPA+ B1/B5/B8
- GSM/GPRS/EDGE 900/1800MHz

#### Variant for North America

##### **SIM7600A-H-PCIE**

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

##### **SIM7600V-H-PCIE:**

- LTE-FDD B2/B4/B5/B13

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

##### **SIM7600SA-H-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-PCIE**

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

#### Variant for Global

##### **SIM7600G-H-PCIE:**

- 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 850/900/1800/1900MHz

#### 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 10

#### 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/SMTPTS/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 (Optional)
- Analog Audio (Optional)
- Embedded SIM card socket (Optional)
- GNSS: GPS/GLONASS/Beidou/Galileo\*

#### Approvals

- RoHS
- REACH
- CE(RED)/GCF\*/Vodafone\*(SIM7600E-H Mini PCIE)
- FCC/IC/PTCRB/AT&T(SIM7600A-H Mini PCIE)
- FCC/GCF/Verizon(SIM7600V-H Mini PCIE)
- FCC/CE(RED)/ACMA/ANATEL(SIM7600SA-H Mini PCIE)
- JATE/TELEC/Docomo\*/KDDI\*/Softbank\*(SIM7600JC-H Mini PCIE)
- RoHS\*/REACH\*/FCC\*/CE(RED)\*(SIM7600G-H Mini PCIE)

\*Under Development/Testing

#### More about SIMCom SIM7600X-H MINI PCIE

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