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## SIM7600X Mini PCIE

**SIM7600X-PCIE is a complete multi-band LTE-FDD/LTE-TDD/HSPA+/UMTS/EDGE/GPRS/GSM module solution in Mini PCIE type which supports LTE CAT1 up to 10Mbps for downlink and 5Mbps for uplink data transfer. It is combined with a SIM7600X module and a Mini PCIE adapter board.**

### Smart Machine Smart Decision

#### Variant for EMEA/Korea/Thailand

##### **SIM7600E-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-PCIE:**

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

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

##### **SIM7600SA-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 Global

##### **SIM7600G-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 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: Support Primary/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 Mini PCIE)
- FCC/IC/PTCRB/AT&T(SIM7600A Mini PCIE)
- FCC/CE(RED)/ACMA/ANATEL\*/Telstra(SIM7600SA Mini PCIE)
- RoHS\*/REACH\*/CE(RED)\*/FCC\*(SIM7600G Mini PCIE)

\*Under Development/Testing

**More about SIMCom SIM7600X MINI PCIE**  
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