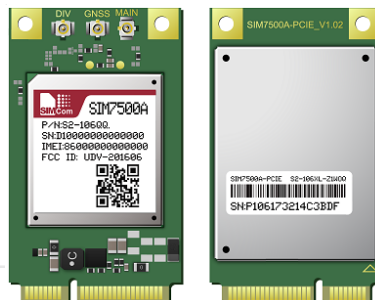




## SIM7500X Mini PCIE



**SIM7500X-PCIE is a complete multi-band LTE-FDD/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 SIM7500X (LGA) module and a Mini PCIE adapter board.**

## Smart Machine Smart Decision

### Variant for EMEA/Korea/Thailand

#### **SIM7500E-PCIE:**

- LTE-FDD B1/B3/B7/B8/B20
- UMTS/HSPA+ B1/B8
- GSM/GPRS/EDGE 900/1800MHz

### Variant for North America

#### **SIM7500A-PCIE:**

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

#### **SIM7500V-PCIE:**

- LTE-FDD B4/B13

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

#### **SIM7500SA-PCIE:**

- LTE-FDD B1/B3/B5/B7/B8/B28
- UMTS/HSPA+ B1/B5

### Variant for Japan

#### **SIM7500JC-PCIE:**

- LTE-FDD B1/B18/B19/B26

#### **SIM7500JE-PCIE:**

- LTE-FDD B1/B3/B8

### 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 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 Compliant
- CE(SIM7500E/SIM7500SA Mini PCIE)
- FCC/PTCRB/AT&T(SIM7500A Mini PCIE)
- FCC/GCF/Verizon(SIM7500V Mini PCIE)
- ACMA (SIM7500SA Mini PCIE)
- JATE/Softbank(SIM7500JE Mini PCIE)
- JATE/TELEC/Docomo (SIM7500JC Mini PCIE)

More about SIMCom SIM7500X Mini PCIE

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