SIM7500X

SIM7500X is a complete multi-band LTE-FDD/HSPA+/UMTS/EDGE/GPRS/GSM module solution in LGA type which supports LTE CAT1 up to 10Mbps for downlink and 5Mbps for uplink data transfer. Designed in the compact and unified form factor, SIM7500X 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
SIM7500E:
•LTE-FDD B1/B3/B7/B8/B20
•UMTS/HSPA+ B1/B8
•GSM/GPRS/EDGE 900/1800MHz
Variant for North America
SIM7500A:
•LTE-FDD B2/B4/B12
•UMTS/HSPA+ B2/B5
SIM7500V:
•LTE-FDD B4/B13
Variant for Australia/New Zealand/South America
SIM7500SA:
•LTE-FDD B1/B3/B5/B7/B8/B28
•UMTS/HSPA+ B1/B5
Variant for Japan
SIM7500JC:
•LTE-FDD B1/B18/B19/B26
SIM7500JE:
•LTE-FDD B1/B3/B8

General features
•LGA Package
•Control Via AT Commands
•Supply voltage range: 3.4V~ 4.2V, 3.8V Typical
•Operation temperature: -40℃ to +85℃
•Dimension: 24*27*2.75mm
•Weight: 4.0g
•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
•ADC
•GNSS: GPS/GLONASS/Beidou/Galileo*

Approvals
•RoHS Compliant
•CE (SIM7500E/SIM7500SA)
•FCC/PTCRB/AT&T(SIM7500A)
•FCC/GCF/Verizon* (SIM7500V)
•Jate/Telec/Softbank(SIM7500JE)
•Jate/Telec/Docomo* /Kddi* (SIM7500JC)
•ACMA (SIM7500SA)

*Under Development/Testing

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