SIM7600X-H
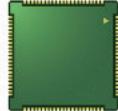
SIM7600X-H is a complete multi-band LTE-FDD/LTE-TDD/HSPA+/UMTS/EDGE/GPRS/GSM module solution in LCC type which supports LTE CAT4 up to 150Mbps for downlink and 50Mbps for uplink data transfer. Designed in the compact and unif ed form factor, SIM7600X-H is compatible with SIMCom HSPA+ SIM5360 module/LTE CAT1 SIM7600X and LTE CAT3 SIM7100 module, which allows customer to design their application once for different technology and benef t from great development time-saving.

Smart Machine Smart Decision

Variant for EMEA/Korea/Thailand
SIM7600E-H:
•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:
•LTE-FDD B2/B4/B12
•UMTS/HSPA+ B2/B5
SIM7600V-H:
•LTE-FDD B2/B4/B5/B13
Variant for Australia/New Zealand/South America
SIM7600SA-H:
•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:
•LTE-FDD B1/B3/B8/B18/B19/B26

General features
•LCC Package
•Control Via AT Commands
•Supply voltage range: 3.4V~ 4.2V, 3.8V Typical
•Operation temperature: -40℃ to +85℃
•Dimension: 30*30*2.9mm
•Weight: 5.7g
•Bandwidth: 1.4/3/5/10/15/20MHz
•3GPP E-UTRA Release 11

Specif cations 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: Solder pads for Primary, Rx-diversity and GNSS antennas
•(U)SIM card (1.8V/3.0V)
•Digital Audio through PCM
•MMC/SD
•SDIO
•ADC
•GNSS: GPS/GLONASS/Beidou/Galileo*

Approvals
•RoHS Compliant
•CE(SIM7600E-H/SIM7600SA-H*)
•FCC/PTCRB/AT&T*(SIM7600A-H)
•FCC*/GCF*/Verizon*(SIM7600V-H)
•ACMA* (SIM7600SA-H)
•JATE/TELEC(SIM7600JC-H)

*Under Development/Testing

All specif cations are subject to change without prior notice.