LTE-FDD/WCDMA/GSM MODULE

SIMCom
A company of SIM Tech

SIM7500E-H

The SIM7500E-H is Multi-Band LTE-FDD/WCDMA/GSM module solution in a LGA type which supports LTE CAT4 up to 150Mbps for downlink data transfer.

It has strong extension capability with rich interfaces including UART, USB2.0, I2C, GPIO etc. With abundant application capability like TCP/UDP/FTP/FTPS/HTTP/HTTPS/SMTP/POP3 and MMS, the module provides much flexibility and ease of integration for customer's application.

Smart Machine Smart Decision

General features
•FDD-LTE B1/B3/B7/B8/B20
•Dual-Band UMTS/HSDPA/HSPA+ B1/B8
•GSM/GPRS/EDGE 900/1800 MHz
•Control Via AT Commands
•Supply voltage range: 3.4V~ 4.2V
•Operation temperature: -40℃ to +85℃
•Dimension: 24*27*2.75mm
•Weight: 4.0g
•GNSS gpsOne Gen 8B;standalone;assisted,XTRA

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 Class
  - 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
•USB Driver for Windows CE/Mobile
•USB Driver for Linux /Android
•RIL supporting for Android/Windows CE/Mobile
•Automatic installation for windows
•Linux API SDK
•Firmware update via USB
•TCP/IP/IPV4/V6 Multi-PDP,MT PDP
•FTP/FTPS/HTTP/HTTPS/SMTP/POP3/DNS/MMS
•DTMF
•MBIM to Win8
•Source code of the PC manager of the device for reference

Interfaces
•USB2.0
•UART
•SIM card
•I2C
•GPIO
•ADC
•PCM

Certifications(Plan)
•ROHS
•REACH