



Manufacturer: SIMCom

Product Category: Wireless & RF, RF Modules,
Other RF Modules

RoHS 6 Compliant

Descriptions

The SIM7500E is Multi-Band LTE-FDD/GSM module solution in a LGA type which supports LTE CAT1 up to 10Mbps 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.

Key Features

- FDD-LTE B1/B3/B7/B8/B20
- WCDMA/HSPA+ B1/B8
- GSM/GPRS/EDGE 900/1800 MHz
- Control Via AT Commands
- Weight: 4.0g
- GNSS gps One Gen 8B; standalone;assisted, XTRA

Specifications for Data transfer

- LTE CAT1
- Uplink up to 5Mbps
- Downlink up to 10Mbps
- EDGE Class
- Uplink up to 236.8Kbps
- Downlink up to 236.8Kbps
- GPRS
- Uplink/Downlink up to 85.6Kbps
- CSD
- GSM data rate 14.4Kbps

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)

- CE
- ROHS
- REACH