

LTE-FDD/HSPA MODULE



SIM7500SA



The SIM7500SA is Multi-Band LTE-FDD/HSPA 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.

Smart Machine Smart Decision

General features

- FDD-LTE B1/B3/B5/B7/B8/B28
- Dual-Band UMTS/HSDPA/HSPA+ B1/B5
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V
- Operation temperature: -40℃ to +85℃
- Dimension: 24*27*2.75mm
- Weight: 4.0g

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
- CSD
 - WCDMA data rate 57.6Kbps
 - WCDMA 64kbps CSD for Video call

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

More about SIMCom SIM7500SA
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