

LTE-FDD/HSPA+ MODULE



SIM7100A



SIMCom presents an ultra compact and reliable wireless module SIM7100A which is based on Qualcomm MDM9215 multiple-mode LTE platform. SIM7100A is a complete multi-band LTE /WCDMA/GNSS module designed with very powerful processors integrating application core:Cortex™ A5(550MHz),three QDSP6 cores (Up to 500Mhz), allowing customer to benefit from small dimensions and cost-effective product solutions.

It has strong extension capability with rich interfaces including UART, USB2.0, SPI, I2C,Keypad, PCM, 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

- Quad-Band LTE-FDD B2/B4/B5/B17
- Dual-Band UMTS/HSDPA/HSPA+ B2/B5
- Control Via AT Commands or Gobi API
- Supply voltage range: 3.4V~ 4.2V
- Operation temperature: -40°C to +85°C
- Dimension: 30*30*2.9mm
- Weight: 5.8g
- LTE-FDD/Rel-9 Cat3
- HSPA+ DC-HSPA+,Rel-10 HSPA+
- GNSS gpsOne Gen 8B;standalone;assisted,XTRA

Specifications for Data transfer

- LTE
 - Uplink up to 50Mbps,
 - Downlink up to 100Mbps
- 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/7/8
- USB Driver for Windows CE/Mobile
- USB Driver for Linux /Android
- RIL supporting for Android/Windows CE/Mobile
- Automatic installation
- Linux API SDK
- Firmware update via USB
- TCP/IP/IPV4/V6 Multi-PDP,MT PDP
- FTP/FTPS/HTTP/HTTPS/SMTP/POP3/DNS/MMS
- DTMF
- Gobi SDK to the Win7/Win8/Linux
- MBIM to Win8
- Source code of the PC manager of the device for reference

Interfaces

- USB2.0
- UART
- SIM card
- SPI
- I2C
- Constant current sink
- GPIO
- ADC
- PCM *
- SDIO

Certifications

- FCC
- PTCRB
- ATT(ongoing)
- ROHS
- REACH

NOTE: * Only supported in Home Security and Telematics Applications

More about SIMCom SIM7100A
Please contact:
Tel: 86-21-32523300
Fax: 86-21-32523301
Email: simcom@sim.com
Website: www.sim.com/wm

All specifications are subject to change without prior notice.