# LTE-FDD/HSPA+ MODULE

**SIMCom**
A company of SIM Tech

## SIM7100A

MODEL: SIM7100A
P/N: S2-10671
SN: D20615041607194
IMEI: 014339000000089
FCC ID: UDV-SIM7100A
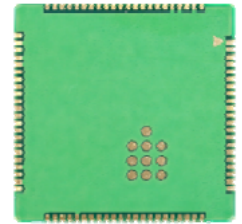
SIMCom presents an ultra compact and reliable wireless module SIM7100A which is based on Qualcomm MDM9215 multiple-mode LTE platform. SIM7100A is a complete multi-band LTE /WCDMA/GNSS module designed with very powerful processors integrating application core:Cortex™ A5(550MHz),three QDSP6 cores (Up to 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℃ to +85℃
• 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