



# LTE-FDD/DCHSPA+ PCI EXPRESS MINI CARD

## SIM7230E



SIMCom presents an ultra compact and reliable wireless module SIM7230E which is based on Qualcomm MDM9225 multiple-mode LTE platform. SIM7230E is a complete multi-band LTE/HSPA+/HSPA/UMTS/EGDE/GPRS/GSM/GNSS PCIE module designed with very powerful processors integrating application core:ARMv7 Cortex™ A5(1GHz), dual Telecom core (Up to 500Mhz), Cortex-M3 core, allowing customer to benefit from small dimensions and cost-effective product solutions.

Featuring an industry-standard PCI Express Mini Card standard with a USB 2.0 interface, the SIM7230E delivers GSM/GPRS/EDGE/WCDMA/LTE-FDD performance for Data Transmission with low power consumption in high-speed Download and upload.

## Smart Machine Smart Decision

### General features

- Five-Band LTE-FDD 800(B20)/900(B8)/1800(B3)/2100(B1)/2600(B7) MHz
- Tri-Band UMTS/HSDPA/HSPA+ 900(B8)/1800(B3)/2100(B1) MHz
- Dual-Band GSM/GPRS/EDGE 900/1800 MHz
- GPRS multi-slot class 12
- EDGE multi-slot class 12
- Output power
  - UMTS 900/2100: 0.25W
  - GSM900: 2W
  - DCS1800: 1W
- Control Via AT Commands or Gobi API
- Supply voltage range: 3.3V
- Operation temperature: -40°C to +80°C
- Dimension: 51\*30\*4.55mm
- Weight: TBD
- LTE FDD/Rel-9 Cat4/Rel-10 Cat4
- UTMS,
- HSPA+ DC-HSPA+,Rel-10 HSPA+ including DCHSPA+MIMO and DCHSUPA
- GSM GSM R99,GPRS,EDGE
- GNSS gpsOne Gen 8B;standalone;assisted,XTRA;

### Specifications for Data transfer

- LTE
  - Uplink up to 50Mbps,
  - Downlink up to 150Mbps
- HSPA+
  - Uplink up to 11 Mbps,
  - Downlink up to 42 Mbps
- UMTS
  - Uplink/Downlink up to 384Kbps
- EDGE
  - Uplink/Downlink up to 236Kbps
- GPRS
  - Uplink/Downlink up to 85.6Kbps
- CSD

### Other features

- USB Driver for Microsoft Windows 2000/XP/Vista
- USB Driver for Win7/Win8
- USB Driver for Windows CE/Mobile
- USB Driver for Linux 2.6/Android
- USB Driver for MAC
- 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
- eCall Ready
- Jamming detection support
- Gobi SDK to the Win7/Win8/Linux
- Source code of the PC manager of the device for reference

### Interfaces

- PCI Express Mini Card
- USB 2.0

### Certifications

- CE(TBD)
- ROHS(TBD)
- REACH(TBD)
- GCF(TBD)