

Radicom Research, Inc.

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www.radi.com**4G LTE Cellular Module****USB/UART/RS232 Interfaces**

Radicom RC4000 Cellular module is the perfect solution for integrating multi-band LTE applications into many different types of embedded hosts or remote equipment. The module is fully self-contained and requires a serial TTL or USB interface from your product, SIM card and cellular signal access to provide you with state of the art data, fax, and voice operation.

Designed for the global marketplace, RC4000 is a tri-band GSM/GPRS/EDGE and tri-band UMTS/HSDPA/HSPA+ that works on frequencies of GSM 850MHz, GPRS 900MHz, EDGE 1900MHz. User can choose the module based on the wireless network configuration. The entire radio band configuration of GSM3000 series is described in the following .

Specifications for Data transfer:

- LTE
 - Uplink Max. 50Mbps
 - Downlink Max. 150Mbps
- HSPA+
 - Uplink Max. 5.76Mbps
 - Downlink Max. 42Mbps
- UMTS
 - Uplink/Downlink Max. 384Kbps
- EDGE
 - Uplink/Downlink Max. 236Kbps
- GPRS
 - Uplink/Downlink Max. 85.6Kbps
- CSD
 - GSM data rate 14.4Kbps
 - WCDMA data rate 57.6Kbps
 - WCDMA 64kbps CSD for Video call

**RC4000****FEATURES:**

- Five-Band LTE-FDD
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66
- Tri-Band UMTS/HSDPA/HSPA+ B1/B2/B4/B5/B6/B8/B19
- Tri-Band GSM/GPRS/EDGE 850/900/1900MHz
- GPRS multi-slot class 12
- EDGE multi-slot class 12
- Control via AT Commands or Gobi API
- Single supply voltage: +5V
- Operation temperature: -40°C to +80°C
- Dimension (LxWxH): 2.26" x 2.34" x 1.11", Weight: 90g
- LTE-FDD/Rel-9 Cat3
- HSPA+ DC-HSPA+, Rel-10 HSPA+
- GSM R99, GPRS, EDGE
- GNSS gpsOne Gen 8B; standalone; assisted, XTRA
- Supported interface: USB2.0, UART, SIM card, SPI, I2C, Keypad, Constant current sink, GPIO, RTC, ADC, PCM, SDIO, MMC/SD, SGMII
- USB driver support: Windows2000/XP/Vista, Win7/Win8/Win10 / Linux /Android
- RIL supporting for Android 2.3/4.0/5.0/6.0/7.0
- MBIM to Win8
- Automatic installation
- Linux API SDK
- Firmware update via USB
- Supports dial-up, telephone call, SMS, TCP, UDP, DTMF, HTTP, FTP, etc. Supports GPS, BeiDou, Glonass, LBS base station positioning.
- Jamming detection support
- Gobi SDK to the Win7/Win8/Linux
- Source code of the PC manager of the device for reference
- RoHS compliant
- Certification: RC4000 : PTCRB (pending), ATT (pending)