

eMTC/NB-IoT GPRS MODULE



SIM7000JC



The SIM7000JC is Multi-Band LTE-FDD and Dual-Band GSM/GPRS/EDGE module solution in a SMT type which supports LTE eMTC(CAT-M1) and NB-IoT up to 375kbps for downlink data transfer.

It has strong extension capability with rich interfaces including UART, USB2.0, GPIO etc. the module provides much flexibility and ease of integration for customer's application.

The biggest advantage of the product is low power consumption.

Smart Machine Smart Decision

General features

- Tri-Band FDD-LTE B1/B3/B8/B18/B19/B26
- GSM/GPRS/EDGE 900/1800 MHz
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V, Typ:3.8V
- Operation temperature: -40°C to +85°C
- Dimension: 24*24*2.6 mm
- Weight: 3.0g
- GNSS

Specifications for Data transfer

- LTE CAT M1
 - Uplink up to 375kbps,
 - Downlink up to 375kbps
- LTE NB-IoT
 - Uplink up to 72Kbps,
 - Downlink up to 32Kbps
- EDGE Class *
 - Max. 236.8Kbps(DL/UL)
- GPRS *
 - Max. 85.6Kbps(DL/UL)

Other features

- USB Driver for Microsoft Windows 2000/XP/Vista/Win7/Win8/Win10
- USB Driver for Windows CE/Mobile
- USB Driver for Linux /Android
- RIL supporting for Android/Windows CE/Mobile
- Firmware update via USB
- TCP/IP/IPV4/V6 Multi-PDP, MT PDP
- 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
- GPIO
- ADC
- PCM *

Certifications(Plan)

- RoHS *
- REACH *

NOTE: * In Planning

More about SIMCom SIM7000E
Please contact:
Tel: 86-21-32523300
Fax: 86-21-32523301
Email: simcom@sim.com
Website: www.simcomm2m.com