

LTE 无线通信模组

MC615-CN-02

LTE Cat1bis /R13

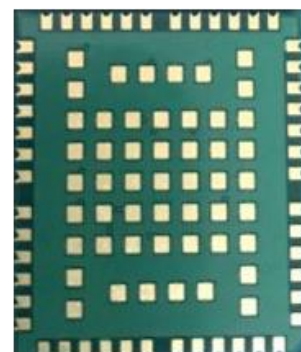
兼容设计

Built in Wi-Fi Scan

Built in BLE

MC615-CN-02是一款LTE Cat1 bis 无线通信模组。产品支持TDD-LTE/FDD-LTE 多种网络制式和多频段，支持Wi-Fi Scan或BLE，同时支持VoLTE、Audio、Camera、LCD、Keypad等功能。

另外，模组提供了USB/UART/SPI/I2C等通用接口满足IoT行业的各种应用诉求。MC615-CN覆盖亚洲地区主要运营商频段，该系列产品采用LCC+LGA封装，封装尺寸和G510/N510/MA510PIN2PIN，方便客户最小代价切换。产品定位覆盖中低速率物联网市场，例如泛支付、共享、工业互联、追踪、车载后装等多种应用场景，为多领域客户提供完美高速体验。



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基本特性

- LTE FDD: Band 1/3/5/8
- LTE TDD: Band 34/38/39/40/41
- LCC+LGA: 20.2 x 22.2 x 2.30mm
- Built in Wi-Fi Scan
- Built in BLE
- Operating temperature: -30 °C ~ +75 °C
- Expansion temperature: -40 °C ~ +85 °C
- Storage temperature: -40 °C ~ +90 °C
- Operating Voltage: 3.3V ~ 4.3V, typical 3.8v

- AT Command Set : 3GPP TS 27.007 and 27.005, proprietary FIBOCOM AT commands
- TX Power:
 - FDD: B1/3/5/8: 23dBm ± 2dB
 - TDD: B34/38/39/40/41: 23dBm ± 2dB
- RF Sensitivity:
 - FDD: B1/3: -99dBm
 - B5/8: -99.5dBm
 - TDD: B34/B39: -99dBm
 - B38/40/41: -99.5dBm

传输速率

- LTE FDD Rel.13 : 10Mbps DL/5Mbps UL
- LTE TDD Rel.13 : 8.2Mbps DL/3.4Mbps UL

功能

- SMS: MO/MT Text and PDU modes
- HTTP(S)/FTP(S)/FTP(S)/UDP/IPV4/IPV6/MQTT/TLS/Ping
- ECM/RNDIS/PPP
- DFOTA/FOTA
- VoLTE/TTS/Recording/FFS/BIP/NITZ/NTP/SSL/ Wi-Fi /BLE

接口

- Antenna: Main x1, BT/WIFI_ANT* x1
- USIM 3.0V/1.8V x2
- USB 2.0 x1
- UART x4
- I2C
- System status indication
- ADC x 2
- HEADMIC/HP
- SPI
- KEY
- MIC/SPK

操作系统

- Linux/ Windows/ Android

认证

- RoHS/SRRC/CCC/NAL

* = 计划中 ** = 开发中