

# LTE/TD-SCDMA/WCDMA/CDMA/GSM Module

## ME3630-W PCIE



PCIE Form Factor



GNSS



Rx diversity



LTE FDD & LTE TDD



TD-SCDMA &  
WCDMA & EVDO



CDMA 1x & GSM



LTE FDD: DL 150Mbps  
/ UL 50Mbps



WeFOTA



USB 2.0 & UART



TCP/UDP/FTP/HTTP/  
FILE/MQTT/CoAP



-40°C ~ 85 °C



Auto suspend &  
remote wakeup

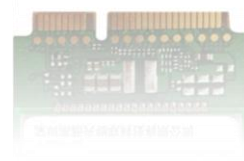
### For M2M Applications

**ME3630-W PCIE** 系列无线通讯模组是 LTE Cat.4 七模全网通LTE模组。在LTE制式下，该模组可以提供最大50Mbps上行速率和150Mbps下行速率，并支持回退到3G或2G网络。

该模组支持分集接收，分集接收是终端产品支持双天线以提高通讯质量和通讯可靠性无线连接技术。

该模块支持多种网络协议（TCP/UDP/FTP/HTTP/MQTT/CoAP/SSL）和多种功能（GNSS, Remote wakeup, WeFOTA, 多路APN, WelinkOPEN等）。这些协议和功能可以让它应用在很多物联网应用场景里。

该模组支持宽温工作，产品可广泛应用于智能抄表、安防信息采集、工业路由器、各种车载产品上比如：车载跟踪，车载通讯，车载监控等M2M领域。



备注：图片仅供参考。

### 基本属性

- Pin-to-Pin with PCIE
- Dimensions: 51mm × 31mm × 4.75mm
- Weight: About 10.0g
- Frequency Band :
  - LTE FDD/LTE TDD/WCDMA/TD-SCDMA/GSM/CDMA EVDO/CDMA 1x
- BD/GLONASS/GPS

### 电气以及灵敏度

- Transmit Power:
  - LTE: 23 ± 2.7dBm (Power Class 3)
  - WCDMA : 24 +1/-3dBm (Power Class 3)
  - TD-SCDMA : 24 +1/-3dBm
  - GSM900 : 33 ± 2dBm (Power Class 4)
  - GSM1800: 30 ± 2dBm (Power Class 1)
  - CDMA:24 ± 1dBm @ All up bits
- Receiving sensitivity:
  - Rx Diversity
- Power Supply :
  - 3.0V -- 4.0V(3.3V/3.8V is recommended)

### 环境适应性

- Operation temperature: -30° C to +75° C
  - Extreme Operating temperature: -40° C to +85° C
- Storage temperature: -40° C to +85° C
- Humidity: 5%~ 95%

### ME3630-W PCIE系列频段信息

型号	支持频段	分集	GNSS	Category
C2A_MP01 C2A_MP11	GSMB3/8 , CDMA1X CDMA EVDO 800M ,	支持	支持	CAT4
C2B_MP01 C2B_MP11	WCDMA B1/5/8 TD-SCDMA B34/39 , LTE FDD B1/3/5/8 , LTE TDD B38/39/40/41	不支持	不支持	CAT4
C2C_MP01 C2C_MP11	LTE FDD: B1, B3, B5, B8 LTE TDD: B38, B39, B40, B41 WCDMA: B1, B5, B8 TD SCDMA: B34, B39	不支持	不支持	CAT4
C3C_MP01 C3C_MP11	GSM: B3, B8 CDMA EVDO/ 1x: 800M	支持	支持	CAT4
C4B_MP01 C4B_MP11	1. LTE FDD: B1, B3, B5, B8 2. LTE TDD: B38, B39, B40, B41, B34	不支持	不支持	CAT4
C4C_MP01 C4C_MP11	3. WCDMA: B1, B8 4. GSM: B3, B8	支持	不支持	CAT4

### 数据特性

- LTE FDD
  - Uplink 50Mbps / Downlink 150 Mbps
- TD-LTE
  - Uplink 30Mbps / Downlink 112Mbps
- WCDMA
  - Uplink 5.76Mbps / Downlink 42Mbps
- TD-SCDMA
  - Uplink 2.2Mbps / Downlink 2.8Mbps
- EDGE (Multi-slot Class 12)
  - Uplink 236.8 kbps / Downlink: 236.8 kbps
- GPRS (Multi-slot Class 10)
  - Uplink 85.6 kbps / Downlink 85.6 kbps
- CDMA2000 EVDO
  - Uplink 1.8Mbps / Downlink 3.1Mbps
- CDMA2000 1X
  - Uplink 153.6 kbps / Downlink 153.6 kbps

### 短信特性

- Support Text and PDU mode
- Point to point MO and MT
- SMS Status Report
- SMS centre address setting
- Management of SMS

### 模组接口

- USB 2.0
- UART
- SIM interface (1.8/3.0V)
- Antenna (RF PAD for Primary, Diversity and GPS)
- LED indication
- Reset & Power-on
- WAKE-IN & WAKE-OUT

### 应用功能

- Support embedded TCP & UDP & FTP & HTTP protocols
- Support protocols PAP and CHAP used for PPP connection
- USB Selective Suspend & Remote wakeup
- RAS /ECM/NDIS
- Control Via AT Commands according to 3GPP TS27.005, 27.007 and GOSUNCN extended AT commands

### 驱动和工具

- Drivers
  - Windows XP, Vista, 7, 8, Win CE, Windows Mobile
  - Linux
  - Android
- Diag-log Tool
- Firmware Update Tool