

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

## ME3630 PCIE



PCIE Form Factor



GNSS



Rx diversity



LTE FDD & LTE TDD



TD-SCDMA &  
WCDMA & EVDO



CDMA 1x & GSM



LTE FDD: DL 150Mbps  
/ UL 50Mbps



UART



USB 2.0



Pin-to-Pin with PCIE



-40°C ~ 85 °C



Auto suspend &  
remote wakeup

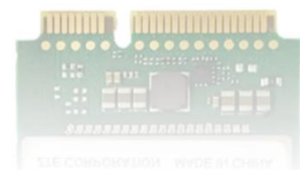
### For M2M Applications

**ME3630 PCIE** is designed to provide customers with global network coverage on the connectivity of LTE. It delivers 50Mbps upload and 150Mbps download data rates on LTE networks and can also be fully backward compatible with existing 3G and 2G networks.

The module supports LTE cat.4 version, 6-mode RF band for global market, 7-mode supported including LTE TDD/LTE FDD/WCDMA/TD-SCDMA/EV-DO/CDMA/GSM. It can also be applied in Chinese, European and US.

A rich set of internet protocols (PAP and CHAP used for PPP connections) and abundant functions (GNSS, Remote wakeup, MMS, SMS, FOTA) extend the applicability of the module to a wide range of M2M applications.

ME3630 PCIE can be widely used in M2M industries such as smart meter, Security and monitor, Industrial router, DTU, CPE, Telematics etc. It also allows the integration of automotive and other applications requiring assured extended operating temperature range and mechanical ruggedness within the ever-shrinking space inside electronic bays in trucks, automobiles, and other mobile platforms.





### General Features

- ❑ 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

### Electrical & Sensitivity

- ❑ 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 is recommended)

### Environmental

- ❑ 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 PCIE Series

PID	Band	GNSS
C1C_MP0 C1C_MP1	1. LTE FDD: B1, B3,B5 2. LTE TDD: B38, B39, B40, B41 3. WCDMA: B1 4. TD SCDMA: B34, B39 5. GSM: B3, B8 6. CDMA EVDO: 800M 7. CDMA 1x: 800M	GPS
C1B_MP0 C1B_MP1	1. LTE FDD: B1, B3 2. LTE TDD: B38, B39, B40, B41 3. WCDMA: B1 4. TD SCDMA: B34, B39 5. GSM: B3, B8 6. CDMA EVDO: 800M 7. CDMA 1x: 800M	No
C1T_MP0 C1T_MP1	1.LTE FDD:B1,B3,B5 2.CDMA EVDO: 800M 3.CDMA 1x: 800M	GPS
E1C_MP0 E1C_MP1	1. LTE FDD: B1, B3,B7,B8,B20 2. WCDMA: B1,B8 3. GSM: B3, B8	GPS
U1A_MP0 U1A_MP1	1. LTE FDD:B2,B4,B5,B12,B17 2. WCDMA:B2,B5	GPS

### Data Features

- ❑ LTE FDD
  - Uplink 50Mbps / Downlink 150 Mbps
- ❑ TD-LTE
  - Uplink30Mbps / 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

### SMS Features

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

### Interfaces

- ❑ 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

### Applications

- ❑ Support embedded TCP & UDP 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 ZTEWELink extended AT commands

### Driver & Tools

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