

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

ME3630

 LCC Form Factor	 GNSS	 Rx diversity
 LTE FDD & LTE TDD	 TD-SCDMA & WCDMA & EVDO	 CDMA 1x & GSM
 LTE FDD: DL 150Mbps / UL 50Mbps	 8-wires UART	 USB 2.0
 Pin-to-Pin with vLink serial module	 -40°C ~ 85 °C	 Auto suspend & remote wakeup

For M2M Applications

ME3630 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.

Rx diversity which allows the end-device to be equipped with two distinct cellular antennas improving the quality and reliability of the wireless connectivity.

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

ME3630 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.



Notes: The figure above is ME3630-U1A. The picture of other PID may be different, please take the actual product for reference.

General Features

- ❑ LCC Form Factor (80 pins)
- ❑ Pin-to-Pin with LCC30*30
- ❑ Dimensions: 30mm × 30mm × 2.3mm
- ❑ Weight: About 4.0g
- ❑ 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 :
 - 3.4V -- 4.2V(3.8V 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%

Driver & Tools

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

ME3630 Serials

PID	Band	Rx Diversity	GNSS
C1C	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	1. LTE FDD: B1, B3, B5 2. LTE TDD: B38, B39, B40, B41 3. WCDMA: B1	GPS
E1C	1. LTE FDD: B1,B3,B7,B8,B20 2. WCDMA: B1,B8 3. GSM: B3, B8	1. LTE FDD: B1,B3,B7,B8,B20 2. WCDMA: B1,B8	GPS/ GLONASS
U1A	1. LTE FDD:B2,B4,B5,B12,B17 2. WCDMA:B2,B5	1. LTE FDD:B2,B4,B5,B12,B17 2. WCDMA:B2,B5	GPS
J2A	1. WCDMA: B1, B5, B6, B8, B19 2. LTE FDD: B1, B3, B7, B8, B9, B18, B19, B21	1. WCDMA: B1, B5, B6, B8, B19 2. LTE FDD: B1, B3, B7, B8, B9, B18, B19, B21	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

Interfaces

- ❑ USB 2.0 High speed (480 Mbps)
- ❑ UART1(8-wires)
- ❑ UART2(2-wires)
- ❑ SIM interface (1.8/3.0V)
- ❑ SPI
- ❑ I2C
- ❑ 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

SMS Features

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

Notes: A1C* is in developing.