ZTEWelink

TD-LTE/TD-SCDMA/GSM Module

ME3860

For M2M Applications

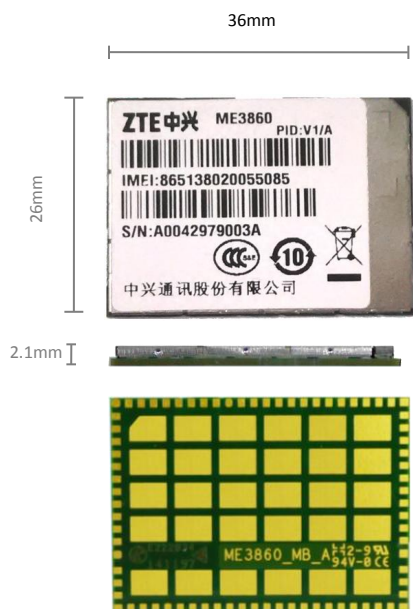|		
LGA Form Factor 108 PINs	SMS	Data Service
Ultra Low Power Consumption	ZTE Extended AT Command	NDIS / ECM Driver
TD-LTE/TD-SCDMA 112M/2.8Mbps(DL)	TD-LTE/TD-SCDMA 30M/2.2Mbps(UL)	IPv4/IPv6
USB 2.0 HIGH SPEED	Easy to Integrate	PCM
HSIC Interface	Android, Linux	Windows XP/Vista/7/8

ME3860 is designed to provide customers with global network coverage on the connectivity of LTE. It delivers high speed data connectivity that allow for rapid transmission of large data files and even streaming video. With proper signal coverage the devices are capable of 112Mbps in the downlink and 30Mbps in the uplink. With 2G radio access technology support, the ME3860 is also fully backward-compatible with existing EDGE and GSM/GPRS networks to ensure that it can connect even in remote areas devoid of 4G coverage.

The tiny profile in cost optimized LGA form factor and highly integration level enable integrators and developers to easily design their applications and truly benefit from the module's small size, low power consumption and mechanical intensity.

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 and abundant functions (STK, USSD, Voice, MMS, SMS) extend the applicability of the module to a wide range of M2M applications such as metering, tracking systems, security solutions, routers, wireless POS, mobile computing devices, PDAs, tablet PC and so on.

ZTE中兴 ME3860 PID:V1/A
IMEI:865138020055085
S/N:A0042979003A
中兴通讯股份有限公司

Welink Your Smart.

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ME3860

36mm

26mm

2.1mm

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ME3860_MB_A

General Features

- ☐ LGA Form Factor (108pin)
    - – Pin to Pin with LGA Type II
- ☐ Dimensions: 36 mm x 26 mm x 2.1 mm
- ☐ Weight: approx. 4.1 grams
- ☐ Frequency Band:
    - – TD-LTE : B38 / 39 / 40 / 41
    - – TD-SCDMA : Band34(A) / 39(F)
    - – GSM : 900/1800

Electrical & Sensitivity

- ☐ Transmit Power:
    - – TD-LTE: +23dBm(Power class 3)
    - – TD-SCDMA : +24dBm(Power class 2)
    - – GSM900 : 33±2dBm (Power Class 4)
    - – DCS1800 : 30±2dBm (Power Class 1)
- ☐ Rx Diversity
- ☐ Power Supply:
    - – 3.4V-4.2V (3.8V is recommended)
- ☐ Power Consumption:
    - – Sleep : 7mA (Typical)
    - – Call : 136mA @ TD-SCDMA , max. power(Typical)
    - – Call : 329mA @ TD-LTE, max. power(Typical)

Environmental

- ☐ Operation temperature: -20°C to +60°C
    - – Extreme working temperature: -30°C to +70°C
- ☐ Storage temperature: -40°C to +85°C
- ☐ Humidity: 5%~ 95%

Data Features

- ☐ TD-LTE
    - – Uplink 30Mbps / Downlink 112Mbps
- ☐ 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

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 High speed
- ☐ UART interface
- ☐ HSIC
- ☐ SIM interface (1.8/3.0V)
- ☐ RF Interface (pad for Primary and Diversity)
- ☐ LED Indication
- ☐ I2C
- ☐ PCM
- ☐ Power-on /Reset

Applications

- ☐ Support TCP/IP Protocol
- ☐ Support IPv4,IPv6,IPv4/IPv6 Dual Stack
- ☐ Cell ID lock
- ☐ MMS
- ☐ Phonebook
- ☐ STK
- ☐ USSD
- ☐ Control Via AT Commands
- ☐ Improved power-saving mode
- ☐ NDIS for windows
- ☐ ECM for linux

Driver & Tools

- ☐ Windows(32/64):
    - – Windows XP / Vista / 7 / 8
- ☐ Linux :
    - – Ubuntu (13.04/ 12.10/12.04)
    - – Fedora(17/18/19)
- ☐ Android:
    - – Android 2.2 / 2.3 / 4.0

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