ZTEWelink

CDMA 2000 1X/EVDO Module

MC8635

For M2M Applications

- **LCC** LCC Form Factor
- GPS
- Rx diversity
- Embedded TCP/UDP Stack
- CDMA2000 1X/EVDO
- PCM/Analog Audio(Optional)
- UL 1.8Mbps/DL 3.1Mbps
- **UART** 8-wires Industry UART
- USB 2.0 Full-Speed
- Auto suspend & remote wakeup
- -30℃ ~ 75 ℃
- Pin-to-Pin with ME3620,MW3650

MC8635 is one of the CDMA2000 1X/EVDO modules in LCC castellation packaging with ultra low power consumption and extended temperature range.

The tiny profile in cost optimized LCC 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.

A rich set of internet protocols (TCP/UDP protocols,), industry-standard interfaces (UART) and abundant functions 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.

MC8635 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.

ZTE ZTEWelink
型号:MC8635 PID:C1A
EV-DO无线数据终端
IMEI: 00000000000000
S/N: 8A00000000000
FCC ID:
中兴通讯股份有限公司   中国制造

Welink Your Smart.

MC8635

Data Features

- ☐ 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
- ☐ Management of SMS

Interfaces

- ☐ USB 2.0 full-speed
- ☐ SIM interface (1.8/3.0V DC)
- ☐ UART(8-wires)
- ☐ SPI
- ☐ I2C
- ☐ ADC
- ☐ Antenna (RF PAD for Primary, Diversity and GPS)
- ☐ LED indication
- ☐ PCM/Analog Audio (Optional)
- ☐ Reset & Power-on
- ☐ WAKE-IN & WAKE-OUT
- ☐ 1.8/2.6V output ref voltage

General Features

- ☐ LCC Form Factor (80 pins)
- ☐ Pin-to-Pin with LCC 30*30
- ☐ Dimensions: 30mm $\times$ 30mm$\times$ 2.3mm
- ☐ Weight: About 4.3g
- ☐ Frequency Band:
  - – CDMA2000 1X/EVDO 800MHz
- ☐ GPS

Electrical & Sensitivity

- ☐ Transmit Power:
  - – CDMA : 24 +1/-1 dBm @ All up bits
- ☐ Receiving sensitivity:
  - – CDMA : <-110dBm
- ☐ Power Supply :
  - – 3.3V-4.2V (3.8V is recommended)
- ☐ Power Consumption:
  - – Sleep : 3.46mA@RX:-75dBm (Typical)
  - – Call : 184.4mA@RX:-75dBm (Typical

Applications

- ☐ Support embedded TCP & UDP protocols
- ☐ Support protocols PAP and CHAP used for PPP connection
- ☐ SMS & MMS & Phonebook
- ☐ TTS & DTMF (Optional)
- ☐ Improved power-saving mode
- ☐ USB Selective Suspend & Remote wakeup
- ☐ Control Via AT Commands

Driver & Tools

- ☐ Drivers
  - – Windows XP, Vista, 7
  - – Linux
  - – Android
- ☐ Diag-log Tool for Windows, Android, Linux
- ☐ Firmware Update Tool

Environmental

- ☐ Operation temperature: -30° C to +75° C
  - – Extreme Operating temperature : -40° C to +85° C
- ☐ Storage temperature: -40° C to +90° C

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