GOSUNCN 高新兴物联

LTE/TD-SCDMA/WCDMA/CDMA/GSM 模组产品

ME3630-W C2A

- **LCC** LCC+LGA Form Factor
- GNSS
- Rx diversity
- 7模全网通
- TCP/UDP/FTP/HTTP/FILE/MQTT/CoAP
- SD/WLAN/SGMII
- LTE FDD: DL 150Mbps / UL 50Mbps
- **UART** 3 x UARTs
- USB 2.0
- WeFOTA
- -40℃ ~ 85 ℃
- WelinkOpen

M2M适用

ME3630-W C2A 无线通讯模块是基于LTE制式的基本覆盖全球移动通讯网络的模块。

在LTE制式下，该模块可以提供最大50Mbps上行速率和150Mbps下行速率，并支持回退到3G或2G网络。

该模块支持分集接收。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/FILE/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广泛应用在很多物联网IoT及M2M应用场景里。

该模块支持宽温工作，也可以应用在车载产品上。比如：车载跟踪，车载通讯，车载监控等。

GOSUNCN 高新兴物联 Wr rnsrght WeLink

型号：ME3630-W PID: C2A
TD-LTE无线数据终端
CMIIT ID: 2017CP6940

IMEI: 860053030191181
MEID: A0000099F0000B4
S/N: 26080001000B
中国制造
深圳高新兴物联科技有限公司

注：图片仅供参考，请以实物为准。

Wr WeLink rnsrght™
Welink your smart
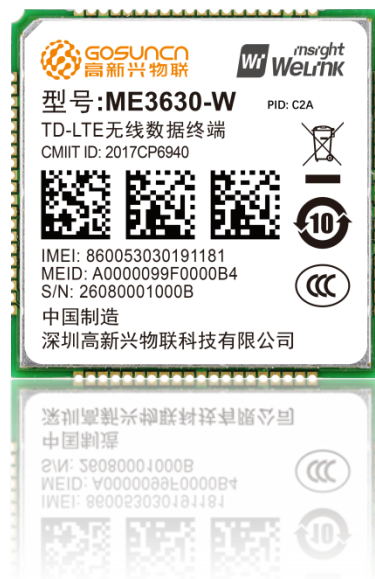
基本属性

- ☐ LCC+LGA Form Factor (118 pins)
- ☐ Dimensions: 30mm × 30mm × 2.3mm
- ☐ Weight: about 4.0g
- ☐ Frequency Band :
  - – LTE FDD/LTE TDD/WCDMA/TD-SCDMA/GSM/CDMA EVDO/CDMA 1x
- ☐ GNSS: GPS/Beidou/GLONASS/Galileo
- ☐ Capabilities:
  - – ARM Cortex A7 up to 1.3 GHz with 256 kB L2 cache
  - – 32-bit LPDDR2 SDRAM at up to 300 MHz
  - – 100MB ROM for user data
  - – 20MB RAM for user program
  - – 100MB RAM (Total 256MB)

频段信息

- ☐ For China
  - – LTE FDD: B1/B3/B5/B8
  - – LTE TDD: B38/B39/B40/B41
  - – WCDMA: B1/B5/B8
  - – TDSCDMA: B34/B39
  - – CDMA EVDO1X: 800M
  - – GSM: B3/B8

电气特性及灵敏度

- ☐ Power Supply :
  - – 3.4V ~ 4.2V (3.8V is recommended)
- ☐ 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
  - – Exceed 3GPP standard

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

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%

模组接口

- ☐ USB 2.0 ×1 (High speed up to 480Mbps)
- ☐ UART ×5
- ☐ SIM ×2 (1.8/3.0V)
- ☐ SPI ×2
- ☐ SDIO ×2 (for WiFi & SD card)
- ☐ SGMII ×1
- ☐ I2C ×1
- ☐ LED ×2
- ☐ ADC ×3(15 bits)
- ☐ GPIO ×12
- ☐ Antenna (RF pads for Main, Diversity and GNSS)
- ☐ Reset & Power-on
- ☐ WAKE-IN & WAKE-OUT

应用功能

- ☐ Support WelinkOpen
- ☐ Support Multi-APN
- ☐ Support TCP/UDP/PPP/FTP/HTTP/HTTPS/SSL/TLS/ NTP/MQTT/MMS/SMS protocols
- ☐ USB Selective Suspend & Remote wakeup
- ☐ Update via USB/UART/FOTA
- ☐ RAS/ECM/NDIS
- ☐ WeFOTA
- ☐ WelinkOPEN
- ☐ AT Commands according to 3GPP TS27.005, 27.007 and GOSUNCN extended AT commands

短信特性

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

驱动&工具

- ☐ GSDK development documents
- ☐ Drivers
  - – Windows XP, Vista, 7 , 8, Win CE, Windows Mobile
  - – Linux 2.6.20 or above
  - – Android 4.x/5.x/6.x/7.x
- ☐ Diag-log Tool
- ☐ Firmware Update Tool

注：*代表该功能可选配。