



GDM7243i

Hybrid (Cellular + Sigfox LPWA mode) Solution for IoT

Superior Connectivity Options for IoT: Supporting LTE Cat. M1/NB1/EC-GSM and Sigfox LPWA mode IoT Connectivity



Features

- Highly integrated with RF transceiver, baseband and RAM memory.
- High performance Cortex-R4.
- Complies with 3GPP Release 13 LTE Advanced Pro standard.
- Hybrid connectivity modes, FULLY INTEGRATED, supporting:
 - Cat. M1
 - NB1
 - GSM
 - BLE
 - GPS
 - Sigfox
 - CAN bus interface
- Supports RF bands 600-960MHz, 1.7-2.7GHz.
- Optimized for half-duplex FDD, FD-FDD, TDD.
- eSIM/Soft SIM support.
- On-chip sensor hub with dedicated micro-controller.
- Integrated security features support:
 - Secure boot, key and configuration
 - Symmetric/asymmetric cryptography HW and TRNG
- Optimized for low data, low power M2M devices.
- Supports IoT applications such as:
 - Wearables
 - Smart meters
 - Trackers
 - Smart home
 - Healthcare

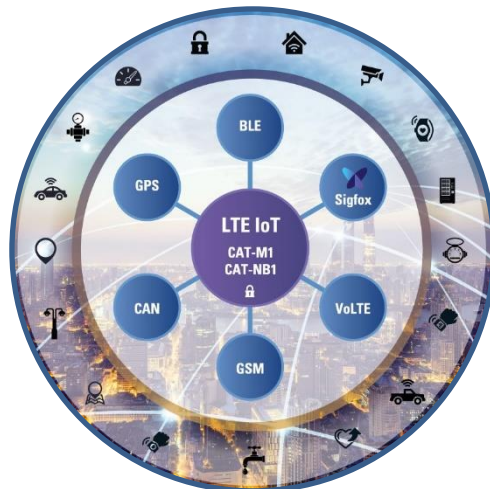
Key Benefits

- Includes all features for turnkey trackers
- Flexible Architecture for IoT Devices
- Ultra-Low Power with up to 10 Year Battery Life
- No Cost Added to Support Sigfox Application
- Long Range and Reliable Data Transfer
- Faster Time-to-Market
- Integrated Security Engine

Interfaces

- 1/2/4/8-bit high speed serial flash.
- Serial interfaces: USB2.0, UART (x4), I2C (x4), SPI, USIM, I2S, CAN-Bus (for OBD).
- PWM, REFF.
- Integrated BLE4.2 modem/link controller.

Carrier Approved Reference Design Available



GDM7243i Block Diagram

