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.
- Complies with 3GPP Release 13 LTE Advanced Pro standard.
- Hybrid connectivity modes, FULLY INTEGRATED, supporting:
  - Cat. M1
  - NB1
  - GSM
  - BLE
- 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
- 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.

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

Carrier Approved Reference Design Available

GDM7243i Block Diagram