Features

- Flexible architecture designed for a wide variety of narrowband IoT applications such as trackers, wearables, and sensors for smart utility meters, smart cars, homes, cities, healthcare and more.
- Optimized for low data, low power M2M devices.
- Complies with 3GPP Release 13 LTE Advanced Pro standard of ultra-low-power and simple feature requirements.
- Highly optimized for power-efficiency, enabling applications to run for 10 years on small batteries.
- Highly integrated with RF transceiver, baseband and RAM memory.
- Optimized for half-duplex FDD, FD-FDD, TDD.
- Integrates concurrent operating LTE and BLE4.2 with companion RF.
- Features high performance Cortex-R4.
- Offers power optimized dedicated micro-controller for sensor hub.
- Includes integrated security features such as secure boot, key and configuration, as well as TRNG and symmetric/asymmetric cryptography HW.

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

- Flexible Architecture for IoT
- Easy Plug and Play with Minimal Operator Maintenance
- Ultra-Low Power
- Low Cost
- Long Range and Reliable Data Transfer
- Faster Time-to-Market
- Key Added Functions Such as GPS, OBD, GSM, VoLTE and BLE

Applications

- IoT Applications (trackers, sensors, wearables, etc.)
- IoT Devices
- M2M IoT Applications

Block Diagram