

EZM031 Brief

Features

Hardware System

Core

- Nuvoton M031BT
- Arm® Cortex® -M0 core running up to 48 MHz

Memories

- 64 KB Flash
- 16 KB SRAM

Operating Characteristics

- Voltage range: 1.8 V to 3.6 V
- Temperature range: -20 °C to +85 °C

Communication interfaces

- UART:
Baud rate: 115200 bps (configurable by ATCMD)
Data Length: 8 bits
Parity Check: None
Stop bit: 1 bit
Flow Control : None

RF Transceiver

- Bluetooth 5 low energy, 2.4 GHz transceiver
- Rx Sensitivity: -94 dBm (1 Mbps BLE mode)
- TX power support -20 to +8 dBm for BLE mode
- RSSI read-out

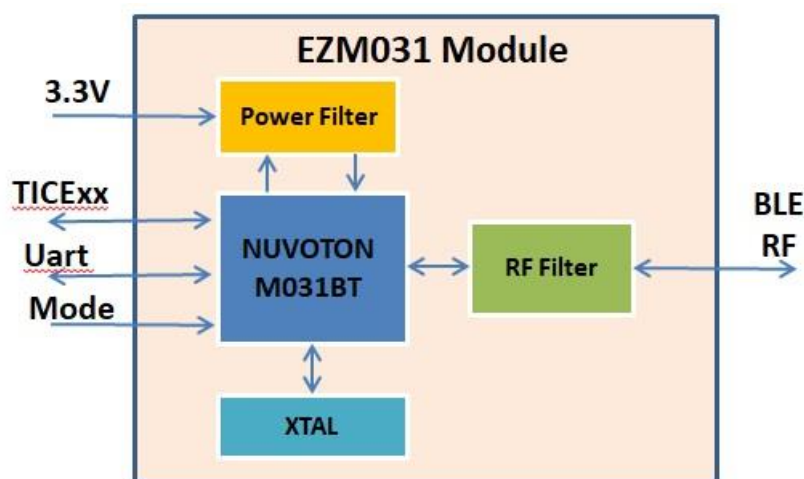
Firmware

- Uart Transparent mode and AT command mode(Config mode), which are switchable by Mode pin and Connection state.

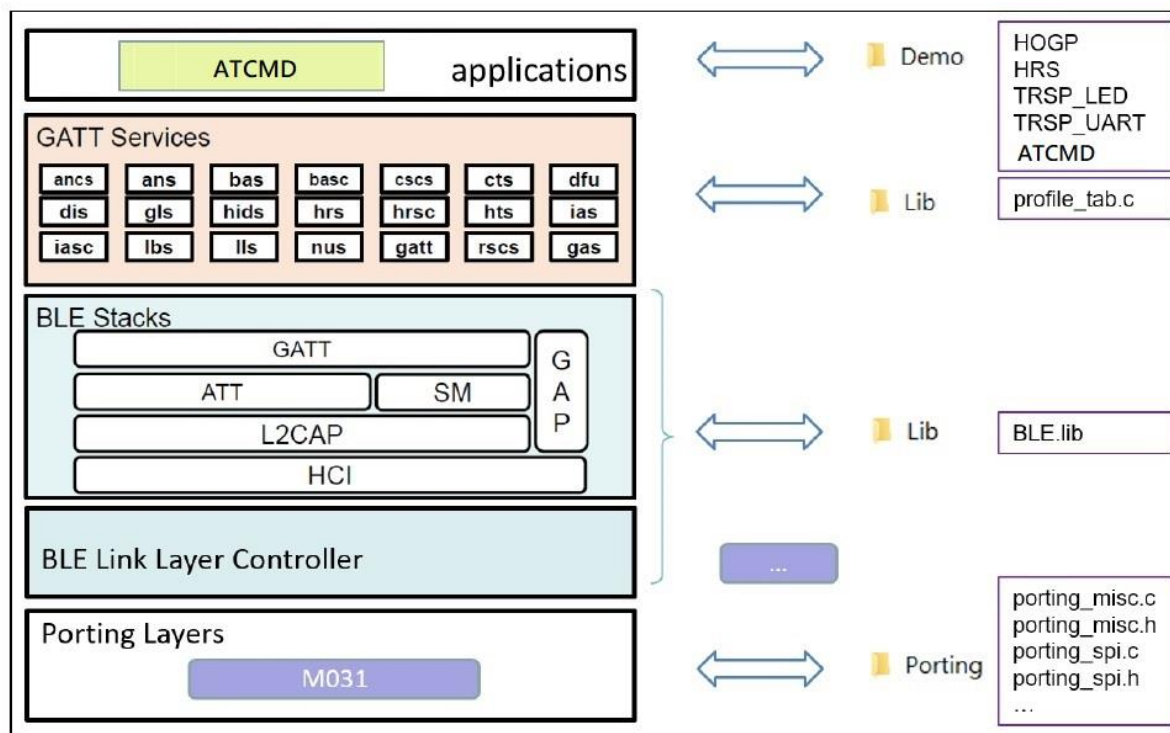
Mechanical Dimension

- LxWxH : 11x11x1.4 mm
- Package: Stamp Hole type
- Pins : 4x4

Module Block Diagram



Firmware Block Diagram



BLE BSP File Hierarchy

Mechanical Dimension

11x11-16L

