

Bluetooth® Low Energy Client Module (BLECM)

DM182022

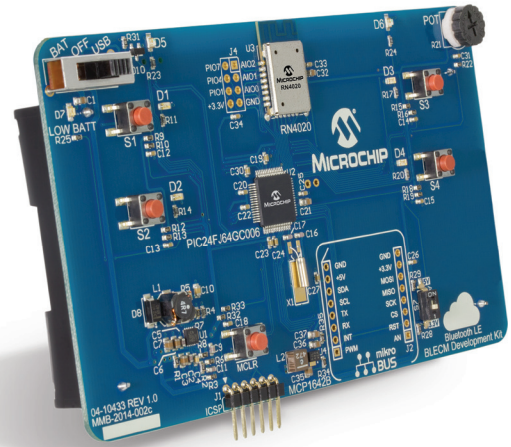
Summary

Are you looking for a simple way to implement your Bluetooth Internet of Things (IoT) solution? Microchip's Bluetooth Low Energy Client Module (BLECM) Development Kit reduces your learning curve and makes it easy to create Bluetooth-enabled systems controlled by mobile applications. The BLECM Development Kit uses a MikroElektronika mikroBUS™ footprint to add one of many available sensor Click Boards™ to enhance your IoT design.

Features

Complete development kit that includes:

- IoT edge device
- Mobile application for iOS® and Android™ operating systems
- Easy set up out of the box
- Battery or USB powered
- Bluetooth Low Energy solution
- Four input buttons on edge device to control data on the server
- One analog potentiometer on edge device to control data on the server
- Four LEDs that show data status on the server
- Enables fast development of IoT embedded applications
- mikroBUS footprint for sensor Click Boards

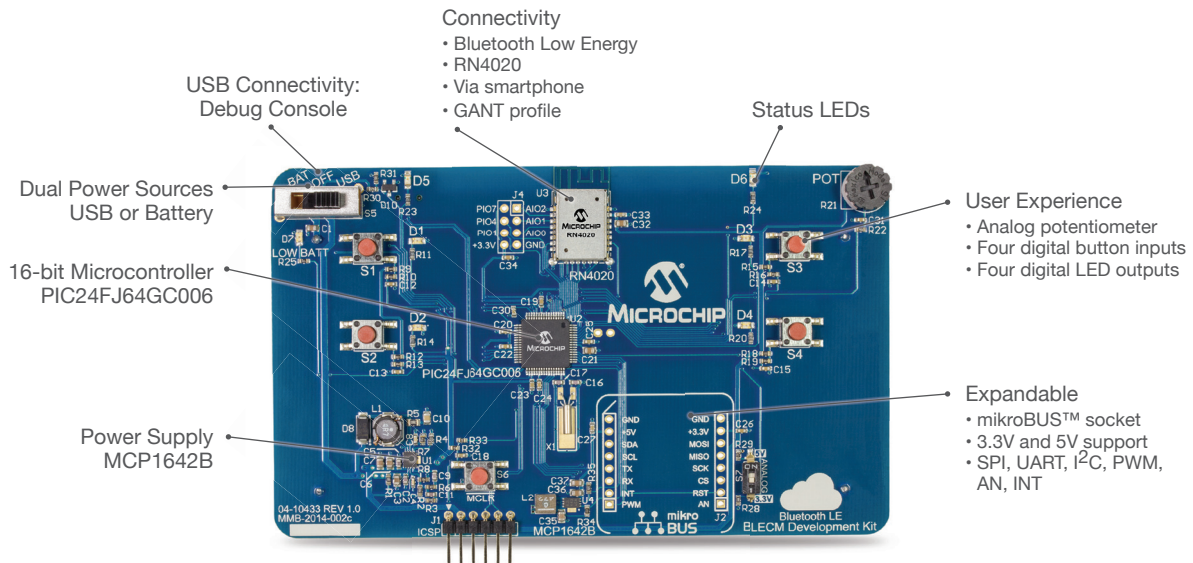


Bill of Materials

- RN4020: Bluetooth module
- PIC24FJ26GC006: Main control
- MCP1642B: Boost regulator

Available Reference Material

- Circuit schematics
- Gerber files (board layout)
- Bill of materials
- Firmware
- Mobile application on iOS and Android operating systems



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