IoT Core User Manual
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Overview
IoT Core is a circuit board that provides Bluetooth Low Energy beaconing functionality. IoT Core is compatible with Apple's iBeacon Technology, but can also be used as a generic Bluetooth beacon. The nominal power source is two AA batteries of Alkaline or NiMH type.

Programming
Initial device programming is supported via a standard JTAG programming header. If a TI Bluetooth Image Manager (BIM) is installed along with the Over-the-air-download profile, further firmware updates can be installed over the Bluetooth connection.

Configuration
Configuration of the device is depended on setup of Bluetooth profiles contained in the firmware. By default, IoT Core includes controls for transmit rate, transmit power, and configuration of advertisement header data. IoT Core supports the GATT profile as defined in the Bluetooth specification.

Please refer to the Bluetooth Specification or online examples for the specifics of establishing Bluetooth Low Energy connections and exchanging data.

Specification
Input voltage: 2.15VDC to 3.8VDC
Temp range: -20C to +75C
Output Power Range: -23dBm to +4dBm

Compliance Statement:
This device complies with part 15 of the FCC and Industry Canada licence – exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Cet appareil est conforme à la spécication RSS-210 d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne peut engendrer aucune interférence et (2) il doit accepter toute interférence qu'il reçoit, y compris celles qui peuvent altérer son fonctionnement.