



# Beacon Datasheet

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## CoRe Beacon

### Features

- BLE Advertisement
- BLE indoor micro-location
- Configurable over BLE connection
- Configurable advertisement intervals
- Configurable TX power
- Battery status LED
- Compact size
- Firmware update over BLE
- 1 year battery life with single 225 mAh coin cell under typical use-case



### Beacon Specifications

<b>Dimensions</b>	47.5 mm x 29.5 mm x 15.2 mm
<b>Weight</b>	15.1 grams
<b>BLE Technology</b>	BLE 5.2
<b>Battery</b>	Lithium-Ion coin cell
<b>Battery Capacity</b>	225 mAh
<b>Sensors</b>	Accelerometer
<b>Human Interfaces</b>	Red LED
<b>Firmware Update</b>	BLE DFU
<b>Operating Temperature</b>	-20°C to 60°C
<b>Care Material</b>	ABS

## Power Consumption

With a single 225 mAh coin cell battery, 1 second advertisement intervals, and +4 dBm TX power, the CoRe Beacon is designed to have a battery life of one year.

## Basic Functions

**Advertisement:** iBeacon formatted scan response.

**Interval:** Time between BLE advertisements. Configurable from 20ms to 10.24s over BLE connections.

**TX Power:** Transmit power (dBm) of BLE advertisements. Configurable to the following over BLE connection: -40, -20, -16, -12, -8, -4, 0, 2, 3, 4, 5, 6, 7, 8

**Compatible with:**

- VOS Systems Personal Safety Devices for location and small asset tracking
- VOS systems BLE gateways
- 3rd party systems



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