



VIAANIX

BLE BEACON

Viaanix VEBLEBEACON101



The BLE Beacon is a low energy, inexpensive solution to asset tracking. This set and forget device can last up to 2+ years once installed. It is used for small assets, such as tools, to know if your assets are in the vicinity of a BLE receiving device such as a phone or BLE gateway. With the ability to know when the asset moving or vibrating, you can know when your asset is being used.

Key Benefits

- Low power consumption
- Bluetooth v4.1 complaint
- Small Size
- Motion/Vibration Sensing
- Wake on movement
- 2+ year battery life
- Waterproof case
- Replaceable battery
- FCC and CE certified
- Customizable application code
- Over-the-air updates

Interfaces

- UART
- Debug SPI

Product Features

- Bluetooth v4.1 specification compliant
- Bluetooth Smart
- 128KB memory: 64KB RAM and 64KB ROM
- Support for Bluetooth v4.1 specification host stack including ATT, GATT, SMP, L2CAP, GAP
- RSSI monitoring for proximity applications
- <900nA current consumption in dormant mode
- Programmable general purpose PIO controller
- 5 digital PIOs
- 3 analogue AIOs
- Wake-up interrupt and watchdog timer

Electrical

- <5uA sleep current
- 20mA active RX current
- 18mA active TX current
- Supply Voltage:
Nominal : 3.0 VDC