

Key Features

- Long Range
- Based on Bluetooth 5.2
- Compact design
- Long Battery life
- Useable indoors and outdoors
- IP65 rating (optional)
- On-field battery replacement



Product Datasheet

BLE Beacon

Model No. : SN-BE 101

Scratchnest

ScratchNest SN-BE 101 is a compact and powerful Bluetooth low energy beacon with long battery life and It can be used in various industrial applications like asset tracking, inventory management. Our beacon can help organisations to monitor their assets in real-time.



Physical Characteristics

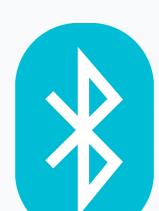
- **Dimensions** 34 x 36 x 10 mm
- **Material** Polycarbonate
- **Size tolerance** 1 mm
- **Environment** IP 65
- **Sealing**

Technical Specification

- **Based on** NRF52805
- **CPU** 64 MHz Arm Cortex-M4
- **Antenna** Internal PCB Antenna
- **Memory** 192 KB Flash + 24 KB RAM
- **Performance** 144 CoreMark
- **Efficiency** 65 CoreMark/mA
- **Wireless protocol support** Bluetooth Low Energy/2.4 GHz proprietary
- **On-air data rate** Bluetooth LE : 2 Mbps/1 Mbps
2.4 GHz proprietary : 2 Mbps/1 Mbps
- **TX power** +4 dBm to -20 dBm
- **RX sensitivity** -97 dBm at 1 Mbps
- **Maximum range** 100 m
- **Battery** Coin cell (CR2032)
- **Switch** Yes

User Environment

- **Operating Temperature** -25 to 65 °C
- **Storage Temperature** -45 to 90 °C
- **Relative Humidity** 10 % to 90 %



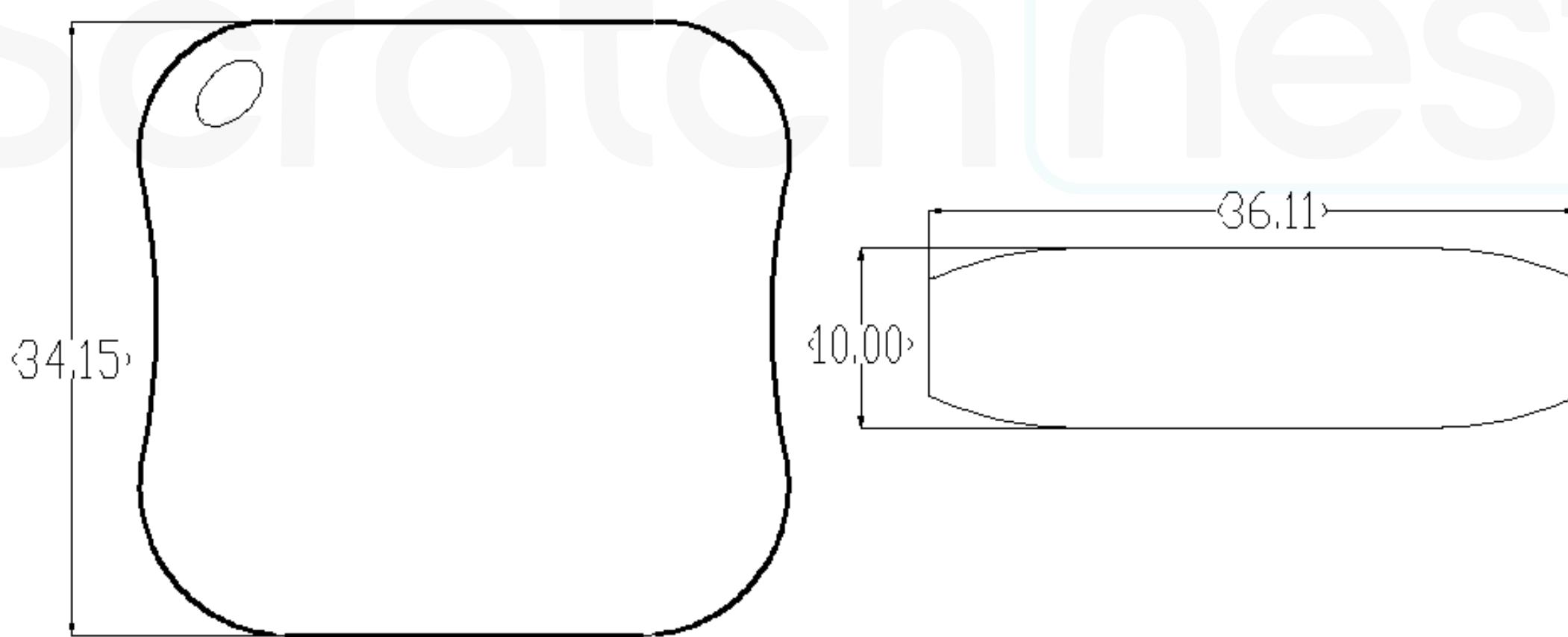
Visual and Sound Indicators

- **Sound** Buzzer
- **Visual** Led

Applications

- Warehouse Management
- Assets and Inventory Management
- Smart Attendance Systems
- Employee tracking

Mechanical overview



Contact Details

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Note - All the mentioned specifications are subject to changes without notice.