

LM BLE Tag

Overview

The Ya Batho LM BLE Asset Beacon is a compact, rugged, long-range Bluetooth Low Energy beacon designed for mining, industrial, and commercial RTLS applications. Powered by a replaceable CR2477 battery with up to 2.5-year lifetime, the beacon supports multiple installation methods, motion-based activation, and NFC configuration for secure pairing and rapid deployment.

Key Features

- Bluetooth Low Energy 4.2 (BLE 5.1 ready hardware)
- Replaceable CR2477 battery — up to 2-year lifetime
- 160 m BLE transmission range (open space)
- High-accuracy 3-axis accelerometer + hall-effect switch
- NFC for security pairing and configuration
- Multiple advertisement formats: iBeacon, Eddystone UID/URL/TLM, custom data
- IP67 waterproof and dust-proof enclosure
- Low-power design with motion-triggered wake/sleep
- Supports RSSI-based distance estimation
- Wide operating temperature range: -20 °C to +60 °C

Technical Specifications

Bluetooth Version	BLE 4.2 (hardware ready for BLE 5.1)
Chipset	Nordic Semiconductor BLE SoC
Battery Type	CR2477 (replaceable) — up to 2.5 years
Transmission Distance	Up to 160 m (open space)
Sensors	3-axis accelerometer + hall-effect switch
NFC	Supported for configuration and secure pairing
Material	Industrial ABS
Dimensions	46 × 46 × 24 mm — 50 grams
Ingress Protection	IP65 waterproof
Operating Temperature	-20 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Transmission Power	-40 dBm to +4 dBm (configurable)
Beacon Formats	iBeacon, Eddystone UID/URL/TLM, Custom Data
Mounting Options	Cap Lamp Lanyard Cable Mount

