



## M3 Industrial Beacon

The Industrial Bluetooth® M3 BEACON is compatible with Bluetooth® 5.0 standard and it is designed to full-fill all requirements for asset tracking in most industrial use cases.

Thanks to its ultra-low power consumption, the beacon guaranties un-surpassed battery lifetime and on top of that its 8000mAh battery capacity. Its high precision accelerometer sensor permits to detect most of asset movements and integrated hall sensor can be help to prevent device from accidental shutdown.



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# What are the benefits of M3?

## Long Life cycle

More than 10 years life cycle with 8000mAh large capacity battery to guarantee continuity.



## IP67 Waterproof

Rugged design with IP67 waterproof to guarantee the stability.



## Replaceable Battery

Replaceable battery design to make sure longer lifecycle or other battery damage situations.



## Versatile Installation

Flexible deployment with double-sided adhesive tape or screw, as well as cable tie.



## IK07 Shockproof

Thicker housing design with IK09 shockproof to fit for most industrial environments.



## Wide temperature range

Industrial design with ASA housing material can be extended to wider temperature range in  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ .



# What are the features of M3?



## Magnetic Switch

Equipped with hall sensor to realize magnetic switch and prevent from accidental device shutdown to guarantee continuous working efficiency.



## Motion detection

3-axis accelerometer sensor makes it possible to detect movements and extend application scenarios.



## LED alert notification

Provide alert notifications with red LED in low battery or other specific situations.



## Over-the-air update

Easy to update firmware through DFU process.



## Intelligent battery management

Sense and switch intelligently between advertising mode and sleep mode through accelerometer sensor, to reduce battery consumptions.



# What are the applications of M3?



## Building site

- > Tracking of tools and heavy machinery
- > Geo-fence monitoring
- > Outdoor navigation tag



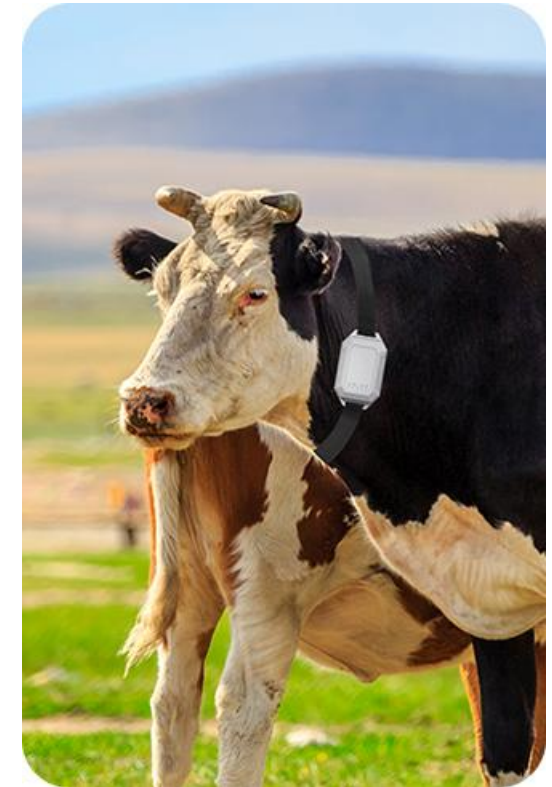
## Logistics

- > Tracking of pallets, containers and forklifts
- > Inventories accuracy improvements
- > Indoor navigation tag



## Manufacturing

- > Tracking of raw material, semi-finished and finished products
- > Real-time workflow management



## Pasture/Zoo

- > Tracking of animals
- > Animal info pushing and enhance visitor interaction.
- > Indoor navigation tag

# Multiple Installation Styles



① Double-sided tape



② Screws



③ Straps

# Main Specifications

## Dimensions

122.6mm x 72.9mm x 33.8mm

## Built-in Sensor

Magnetic switch  
Accelerometer sensor

## Advertising Range

Up to 150m  
(Open area without obstacles)

## Material

ASA + PC

## Frame type

Eddystone - UID, URL, TLM  
Apple - iBeacon  
Customized - Accelerometer,  
Device info

## Chipset

Nordic nRF52 series

## Battery

2\*AA ER18505 8000mAh  
Replaceable battery

## Installation Styles

Screw | Cable Tie  
3M adhesive tape

## Color

Gray

## Certification

Product: FCC, CE, RoHS, REACH  
Battery: IEC62133, UN38.3, MSDS



# What customization services can we provide?



## PCB re-layout design

Support customers in making hardware changes to accommodate mechanical design or functional requirements.



## Firmware/APP customization

Assist customers in customizing the Firmware/APP to meet full compatibility of different end-users' requirements.



## Logo/Packaging design

Offer customized packaging solution and logo design to meet customer's uniform requirements.



## Product ID customization

We can set the Product ID according to customers' requirements to fit for different scenarios use.



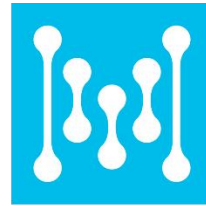
## Firmware verification

Offer professional engineer team to test and verify the functionality of customer's developed Firmware.



## Pre-configuration service

Support customers to pre-configure required parameters in Beacon during mass production.



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