



## M3 Industrial Beacon

The Industrial Bluetooth® M3 BEACON is compatible with Bluetooth® 4.2 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 3\*AA ER14505 battery (7800mAh). 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 Lifecycle

More than 10 years lifecycle with 2\*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.



## IK09 Shockproof

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



## Wide temperature range

Industrial design with ASA housing material to extend wider temperature range in -40°C ~ 85°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



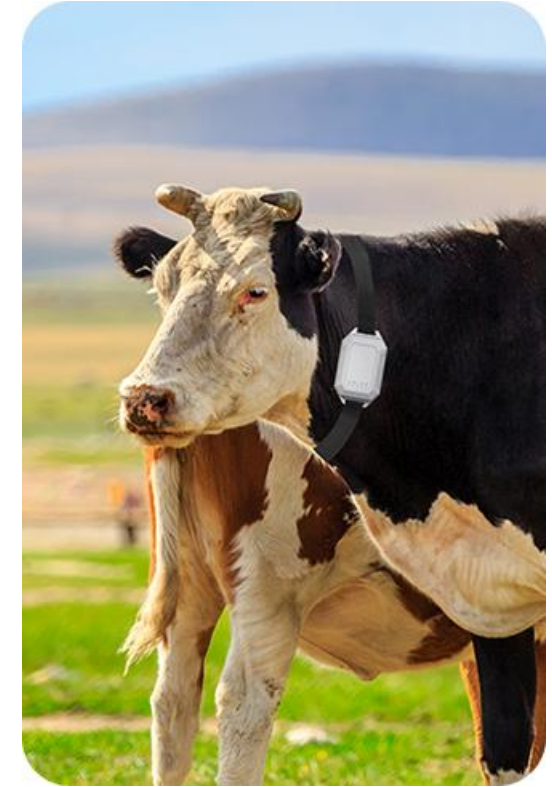
## Logistics

- > 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

Hall sensor  
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.



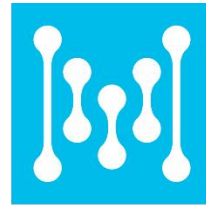
## Firmware verification

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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## **MOKO TECHNOLOGY LTD.**

**Address:** 4F, Buidling 2, Guanghui Technology Park, MinQing Rd, Longhua,  
Shenzhen, Guangdong, China

**E-mail:** Support\_BLE@mokotechnology.com

**Website:** [www.mokosmart.com](http://www.mokosmart.com)

[www.mokoblue.com](http://www.mokoblue.com)