



ACCELERATION



NFC



iBeacon

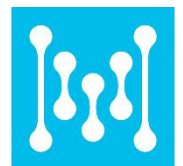


Eddystone

## H7 Helmet Beacon

The industrial Bluetooth® H7 Helmet BEACON is compatible with Bluetooth® 4.2 standard and it is designed to full-fill all requirements for personal tracking/falling down alarm/SOS alarm in most industrial and construction use cases, or extending to animal statistics and location tracking in harsh outdoor environments.

Thanks to its ultra-low power consumption, the beacon guaranties un-surpassed battery lifetime up to 2 years on top of CR3032. Its high precision accelerometer sensor permits to detect most of asset movements and integrated NFC can be used for identity recognition and NFC wake-up.



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# What are the benefits of H7?

## Long Lifecycle

Up to 2 years lifecycle with 550mAh large capacity battery to guarantee continuity.



## IP67 Waterproof

Industrail design with IP67 waterproof to gurantee 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 cable tie.



## Independent SOS button

Mechanical SOS button available to trigger SOS alarm in emergency.



## Wide temperature range

Rugged design with ABS+PC housing material to extend wider temperature range in -20°C ~ 60°C.



# What are the features of H7?



## Identity recognition

Equipped with NFC/RFID to realize easier and safer access control management.



## Fall detection

3-axis accelerometer sensor makes it possible to detect man-down scenarios in constructions.



## LED alert notification

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



## NFC wake-up

System wake-up automatically when device approach to NFC filed or readers.



## Intelligent battery management

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





# What are the applications of H7?



## Athletics

- > Athlete sign-in
- > Racing time count



## Construction

- > Fall detection
- > Abnormal static alarm
- > Hat off alarm
- > Access control



## Pasture

- > Tracking of animals
- > Animal quantity count



## Tunnel

- > Personal tracking
- > Proximity warning
- > Tunnel navigation tag

# Multiple Installation Styles



① Double-sided tape



② Armband

# Main Specifications

## Dimensions

57.4mm x 41.4mm x 18.7mm

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## Built-in Sensor

Accelerometer sensor  
NFC | RFID (Optional)

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## Advertising Range

Up to 150m  
(Open area without obstacles)

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## Material

ABS + PC & TPU

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## Frame type

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

## Chipset

Nordic nRF52 series

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## Battery

CR3032 Lithium coin cell battery  
550mAh | Replaceable

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## Installation Styles

Sticker | Armband

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## Color

Gray

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## Certification

Product: FCC, CE, RoHS, REACH



# 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.



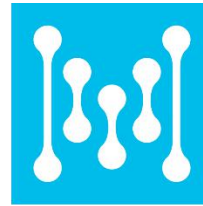
## Firmware verification

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)