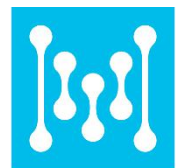




H7 Helmet Beacon

The industrial Bluetooth® H7 Helmet BEACON is compatible with Bluetooth® 5.0 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 3 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 Life cycle

Up to 3 years life cycle with 550mAh large capacity battery to guarantee continuity.



IP67 Waterproof

Industrial design with IP67 waterproof to guarantee the stability.



Replaceable Battery

Replaceable battery design to make sure longer life cycle 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 $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$.



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.



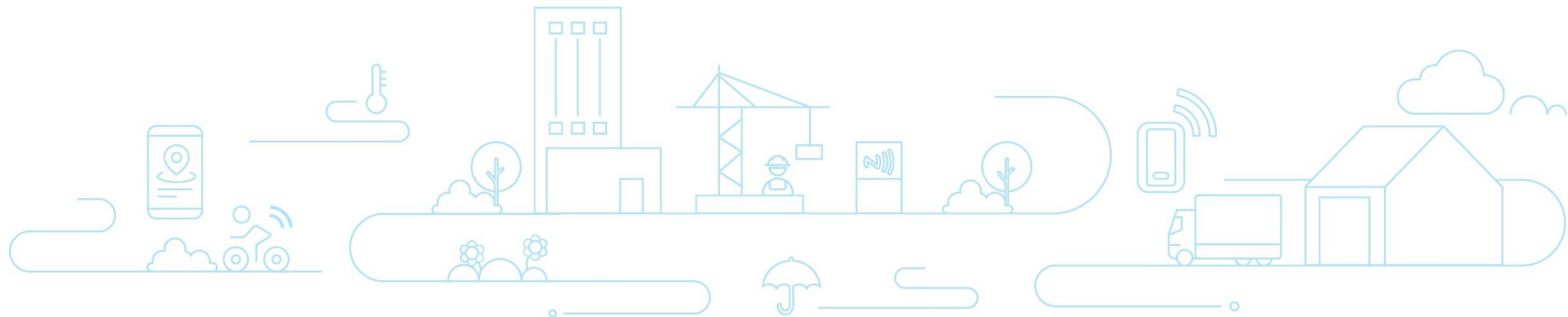
NFC wake-up

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



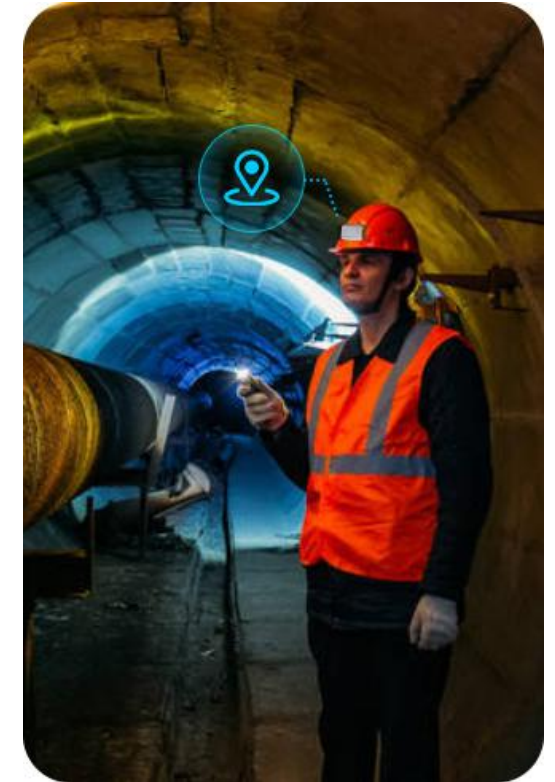
Construction

- > 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

Built-in Sensor

Accelerometer sensor
NFC | RFID (Optional)

Advertising Range

Up to 150m
(Open area without obstacles)

Material

ABS + PC & TPU

Frame type

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

Chipset

Nordic nRF52 series

Battery

CR3032 Lithium coin cell battery
550mAh | Replaceable

Installation Styles

Sticker | Armband

Color

Gray

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.



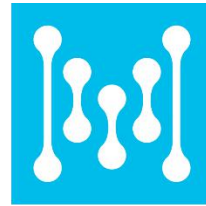
Firmware verification

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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