






Bluetooth Low Energy (BLE)

# Beacon Driver Identification

-  300-meter range in open field
-  Ultra-compact design for driver ID
-  Integrated high-power LED
-  Up to 5-year battery life with replaceable battery
-  Seamless integration with fleet management systems



## Driver Identification & Authentication

Enables automatic driver recognition when entering vehicles. Streamlines driver login processes while creating verifiable records of who is operating each vehicle. Supports compliance requirements with accurate driver logging and authentication.

## Video Telematics Enhancement

Adds driver identification data to video telematics recordings for comprehensive incident analysis. Ensures accurate driver association with recorded events for training, safety, and liability purposes.

## Fleet Management Integration

Seamlessly connects with existing fleet management systems to associate drivers with vehicles and routes. Improves accountability and enables driver-specific reporting for performance analysis and optimization.

## Access Control

Controls vehicle access by authorizing only certified drivers for specific vehicles. Prevents unauthorized vehicle use while maintaining detailed access logs for security and compliance.

# Bluetooth Low Energy (BLE) Beacon

The BLE Driver Identification Beacon is a compact, powerful device designed specifically for driver authentication and tracking in fleet management and video telematics solutions. Easily integrated into driver badges or credentials, this beacon provides reliable identification and authentication, enhancing fleet security and compliance.

## Specification

### Battery

Power supply	3 VDC – replaceable CR2032 battery
Battery life	<ul style="list-style-type: none"><li>• ID (ELA): 5 years</li><li>• iBeacon (Apple): 5 years</li><li>• Eddystone (Google): 5 years</li></ul>
Battery level	<ul style="list-style-type: none"><li>• Low battery warning in advertising frames (&lt;15%).</li><li>• Battery voltage in scan response frames (configurable).</li></ul>

### Housing

Dimensions	45mm length, 23.2mm width, 5.3mm height 1 hole for M2 fixing
Weight	8g
Materials	Casing: ABS+PC (UL94V0, halogen-free, medical grade) Seal: TPE
Waterproofness	IP65
Operating temperature	-30°C to +70°C

### Certifications

Europe	CE / UK CA : EN 300 330/ EN 301 489, EN 623311, EN 62368
UK	UKCA
USA	FCC : FCC PART 15 / RoHS
Canada	ISED : RSS-247 / ICES-003 / RoHS
RoHs/REACH	Yes

### Operating Mode

Frequency	2.4 GHz - Bluetooth Low Energy 4.2
Output power	Up to +4 dBm (configurable)
Range	Up to 300 meters open field (+4dBm)
Radio frame format	<ul style="list-style-type: none"><li>• ELA ID (15 bytes identifier)</li><li>• iBeacon</li><li>• Eddystone</li></ul>
Parameters & Configuration	Interface/protocol: NFC (Type 2)
Connected Mode	LED indicator (ON / OFF) command / Battery level
Transmission with period	2 advertising periods can be configured (0.1 to 86400 seconds). Transition from one to the another according to configurable sensor thresholds.

