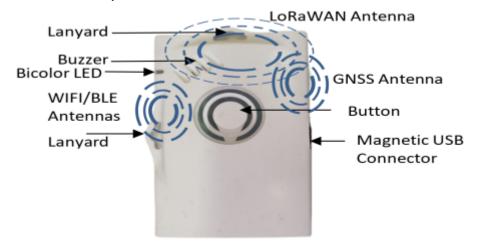# Smart badge

The Abeeway smart badge is a multi-mode tracker combining **GPS, Low Power-GPS (LP-GPS), Wi-Fi, LoRaWAN®** and **BLE** radios with embedded sensors to support accurate **outdoor** and **indoor** geolocation. This low-power location device tracks and **locates anything, anyone, anytime** at a **low cost** of ownership.

Its **small size** and **long battery lifetime** make smart badge the **ideal product for numerous tracking applications**. It is simple to use, and a single button gives access to numerous functionalities that can be personalized for specific application needs. It can be used to keep track of assets and valuables, and to improve safety and security. It comes with a magnetic **USB charging cable** and a lanyard.

Key product features

Abeeway smart badge provides you with the flexibility you need to adapt your tracker's behavior to your use case, selecting the right operating mode and geolocation technology.

Multiple operating modes

- **Motion tracking** : Tracker reports real-time position only when motion is detected. This is the default configuration that you can discover in this guide.
- **Permanent tracking** : Tracker reports periodic real time positions.

Actility **ThingPark**Location
multi-technology tracking solutions

backend platform or by using special button sequence on the micro-tracker.

- **Activity tracking** : Monitor activity rate with embedded sensors.
- **OFF** : Tracker is switched off.

Geolocation technologies

- **GPS** : For **precise outdoor** positioning
- **Low Power-GPS (LP-GPS)** : For **power-efficient outdoor** and **daylight indoor** positioning LP-GPS is an Actility proprietary technology based on GPS. Enabling Fast Time to First Fix, it results in **improved battery lifetime.**
- **Wi-Fi** : For **indoor** and **outdoor** location services in **urban areas** It leverages the Wi-Fi access point scanning capabilities of the micro tracker.
- **BLE** : For **indoor** positioning It leverages Bluetooth scanning capabilities of the micro tracker to send BLE beacons and their detected RSSIs to your application.

Other features

- User interface: **Buzzer, LEDs, Multi-modes button**
- **Temperature** monitoring
- **LoRaWAN® Class A radio**
- Water-spray resistant enclosure (**IP65**)

Standards and Certifications

- LoRa Alliance: EU868, US915, AS923
- Radio: EC, FCC, IC, TELEC ATEX
- The latest information on certification can be found here. Abeeway power consumption estimation tool can be found here to estimate the battery lifetime in different environments.

> **WARNING**
>
> The tracker must not be left with a low or completely discharged battery for more than a month. We recommend to periodically charge the tracker at least once a month. The tracker is resistant to water but must never be placed either fully/partially