

Overview

Hidonix is introducing two new devices that expand our real-time tracking ecosystem: the **Smart Wearable Bracelet** and the **Smart Tracking Badge Case**. Both products are built on a shared architecture, designed to provide continuous positional awareness and improved safety across hospitals, industrial sites, and other high-movement environments. The devices differ in form factor, but they operate on the same foundation of sensing, communication, and data intelligence, powered by the HEC (Hidonix Embedded Computer).

Smart Wearable Bracelet

The Smart Wearable Bracelet is designed for environments where uninterrupted monitoring matters. It is compact, durable, and comfortable enough for long-term daily use. The device integrates motion and environmental sensing to provide precise, real-time location data within complex indoor spaces.

A secure locking mechanism ensures the bracelet stays in place when required, supporting use cases such as patient safety, staff protection, and regulated-access scenarios. Its exterior geometry is optimized for stability and ease of use, and includes simple visual indicators for status and alerts.

Smart Tracking Badge Case

The Smart Tracking Badge Case brings the same sensing and communication capabilities into a slim, ID-card-compatible form factor. Instead of replacing existing credentials, it functions as a holder that users can insert their regular work badge into, ensuring seamless integration with current access and identification workflows.

Its lightweight, rigid structure maintains stable readings during movement while remaining unobtrusive for all-day wear. The badge case enables continuous positional awareness without requiring any changes to user habits, equipment, or facility processes.

Unified System Behavior

Both devices operate within the larger ION tracking platform. They communicate through a shared ecosystem that transforms motion and environmental data into meaningful insights for safety, efficiency, and real-time decision making.

Because they share a common architecture, updates, improvements, and new features extend across the entire product family, ensuring consistency and long-term scalability.

Purpose

The Smart Wearable Bracelet and Smart Tracking Badge Case are designed to enhance visibility in high-activity environments. They provide organizations with reliable, real-time awareness of people and operations, supporting safety protocols, response workflows, and overall operational clarity.