



Personnel Badge

What does it do?

This wearable badge combines three functions into a single device:

- **Location Tracking** – The badge reports its location up to four times per second, allowing you to track users in real-time with high accuracy.
- **Safety** – A flashing LED and audible beep notifies the user of safety alerts. Additionally, the screen displays warning details.
- **Communication** – The display screen and call button let the user receive and acknowledge messages and warnings. Text messages can be sent to the device manually or automatically.

How can you use it?

Location Tracking

- You can quickly ensure users are in their designated areas, or, monitor users who may be in hazardous areas.
- You can capture historical location data for all users to provide precise accountability.

Safety

- Badge alarms with flashing LED and beeping to alert users they are entering a dangerous area or are being approached by a fast-moving vehicle.
- Users can press the call button to call for help.

Communication

- You can text a user instructions on how to perform a task.
- You can text employees on the floor when they need to make a location change during a shift.

Key Features

Accurate

Accurate up to 20cm (8”).

Responsive

200ms latency is essential for safety applications where a fraction of a second makes a difference.

Informative

1.9” E-paper display can display warnings or other information, up to 84 characters.

LED flashes and alarms beep to communicate status updates, notifications and hazards.

Interactive

A call button lets the user acknowledge alarms and alerts or call for help.



Image not to scale.

Electrical



Single badge charger

Value	
Operating Frequency	3.5 - 6.8 GHz
Battery Type	Single-cell lithium-ion rechargeable
Battery Life Active	72 hours (at 1 Hz update rate)
Battery Life Idle	20 days
Battery Charge Current	200 mA
Battery Charge Time	2.5 hours

Peripherals

Parameter	Value
Call Button	Sends message to the server. Multi-functional, including sending an emergency message to the server.
Display	1.9" Electronic Paper Display (EPD), up to 84 characters
Visual Alert	RGB LED provides status as well as user-alert functionality
Audible Alert	On-board buzzer alerts for safety hazards and incoming messages
Motion	6-axis IMU for motion sensing and power management

Mechanical & Environmental

Parameter	Value
Dimension	68 x 102 x 7.5 (mm)
Weight	48 g
Operating Temperature	-10°C to 50°C
Charging Temperature	10°C to 45°C
IP Rating	Water resistant. Not rated.

Accessories

Parameter	Value
Charging	Micro-USB adapter or 10-bay bank charger
Charging Voltage	5V



10-bay bank charger

Ordering information

The badge and accessories may be ordered directly through Redpoint. Please place a request using part number 9000-0601 for the badge, 9000-0002 for the badge charger with micro-USB adapter, and 9000-0001 for the 10-bay bank charger.

Redpoint Positioning Corp.

100 N Washington St, 6th floor, Boston, MA 02114 | +1 (617) 207-4096

Send inquiries to info@redpointpositioning.com or visit our website at www.redpointpositioning.com