



Redpoint

See the moving world



Personnel Badge Lite

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.
- **Communication** – The call button let the user receive and acknowledge warning.
- **PWS Support** – No network infrastructure needed. Visual, audio and haptic alarm between vehicles and vehicles, vehicles and people, vehicles and infrastructure.

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 time and location accountability.

Safety

- Badge sends alarms with flashing LED lights, audible notifications and haptic feedback to alert users when they are entering a dangerous area or being approached by a fast-moving vehicle.

Communication

- Users can press the emergency call button for help.

Key Features

Accurate

Accurate up to 10 cm.

Responsive

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

Informative

A flashing LED, audible beep and haptic feedback notify the wearer of safety alerts.

Interactive

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



Personnel Badge Lite Front

Redpoint Positioning Corp.

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

Send inquiries to info@redpointpositioning.com

www.redpointpositioning.com



Personnel Badge Lite Back



Personnel Badge Lite Side

Electrical

| | Value |
|------------------------|--------------------------------------|
| Operating Frequency | 3.2 - 6.8 GHz |
| Battery Type | Single-cell lithium-ion rechargeable |
| Battery Life Active | 12 hours |
| Battery Life Idle | 30 hours |
| Battery Charge Current | 500 mA |
| Battery Charge Time | 3 hours |

Peripherals

| Parameter | Value |
|---------------|--|
| Call Button | Sends message to the server. Multi-functional, including sending an emergency message. |
| Visual Alert | RGB LED provides status as well as user-alert functionality |
| Haptic Alert | Haptic alerts for safety hazards and incoming messages |
| Audible Alert | On-board buzzer alerts for safety hazards and incoming messages |
| Motion | 6-axis IMU for motion sensing and power management |
| Bluetooth | Support Bluetooth Low Energy (BLE) communication |

Mechanical & Environmental

| Parameter | Value |
|-----------------------|-------------------|
| Dimension | 62 x 98 x 10 (mm) |
| Weight | 54 g |
| Operating Temperature | -20°C to 50°C |
| Charging Temperature | 5°C to 40°C |
| IP Rating | In process |

Accessories

| Parameter | Value |
|------------------|--------------------------------------|
| Charging | Standard USB-C cable or bank charger |
| Charging Voltage | 5V |

Ordering information

The badge and accessories may be ordered directly through Redpoint. Please place a request using part number 9000-0716 for the Personnel Badge Lite.

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