



# Redpoint

See the moving world



## General Purpose Tag

Versatile and configurable, the General Purpose Tag can be used to track assets, vehicles and people.

- **Accurate:** Provides position accuracy within 20cm (8") in normal conditions.
- **Local Position Engine:** Positions are calculated on the tag itself, enabling fast response time and integration with vehicle controls.
- **Long Battery Life:** The battery life can last over 2 months, depending on tag configuration and use. Motion-sensing enables idle tags to enter power-saving mode to extend battery life.
- **Sensor Interface:** Connect external sensors and actuators for alarm output, sensor input etc.
- **Over-the-Air Updates:** Push out configuration changes or firmware updates while your tags are still on the floor.
- **Flexible Peripherals:** The tag has a tri-color LED to communicate status and other notifications, as well as a configurable push button and a five-ring magnetic charger and data port.

### How can you use it?

- **Track Vehicles**
  - **Collision Avoidance:** Because positions are calculated locally on the tag and up to 26 times a second, the response time is very fast for collision avoidance applications.
  - **Integration:** Local position calculations enable you to integrate the tag into vehicle controls for an active solution. A vehicle mounting bracket is available.
- **Track Assets:** Quickly locate tagged assets, or track a product moving as it is processed.
- **Manage Personnel:** Control movement with geofencing and perform efficiency studies with location data.
- **User Navigation:** Connect to a tablet or smartphone via USB or Bluetooth ports for indoor navigation.
- **Control External Sensors and Actuators:** Use the tag's interface to integrate with your own sensors or actuators.

### Key Features

#### Flexibility

The tag supports uplink, downlink and two-way TDoA communication depending on your needs. Update rates are configurable, giving you a versatile tag that can be used to track fast-moving vehicles and people as well as equipment and inventory.

#### Sensor, Actuator and Alarm Interface

Use the tag's open interfaces to integrate it with your own sensors and actuators. You can also configure the tag to generate alarms based on external feedback.

#### Communication

The LED flashes and an alarm beeps to communicate status updates, notifications and hazards. The push button can be configured to generate emergency calls or other outputs.

#### Low Maintenance

The battery lasts over 2.5 month when idle or one week when in use.

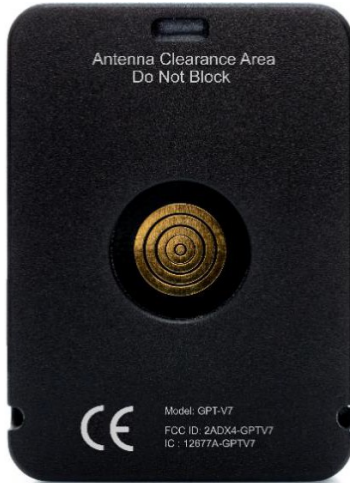


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Back with magnetic connector



Side view with sensor interface port

## Electrical

	Value
Operating Frequency	3.2 - 6.7 GHz
Battery Type	Single-cell lithium-ion rechargeable
Battery Life Active	187 hours (at 1 Hz update rate)
Battery Life Idle	>2.5 months; 4.6 yr. when hibernating.
Battery Charge Current	500mA
Battery Charge Time	2 hours

## Peripherals

Parameter	Value
Call Button	Multi-functional, including resetting the tag and sending an emergency message to the server.
Visual Alert	Tri-color LED provides status as well as user-alert functionality.
Sensor and Alarm Interface	Includes a 4-pin sensor and alarm interface port: Power input, alarm input, alarm output and ground.
Motion	6-axis IMU for motion sensing and power management.

## Mechanical & Environmental

Parameter	Value
Dimension	66 x 48 x 23 (mm)
Weight	58g
Operating Temperature	-20°C to 50°C
Charging Temperature	0°C to 50°C
IP Rating	None.

## Accessories

Parameter	Value
Charging + Data Communication	Magnetic USB charger
Charging Voltage	5V

## Ordering information

The badge and accessories may be ordered directly through Redpoint. Please place a request using part number 9000-0705.

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