



Redpoint

See the moving world

Vehicle Mount Tag - CAN bus Interface

The Vehicle Mount Tag - CAN bus (VMT-C) brings location awareness to all vehicles supporting this standard protocol.

Take advantage of the accuracy and fast response time to improve safety by alerting operators of danger or safety violations, such as speeding or potential collision with other vehicles, people, or infrastructure.

In addition to collision detection, location awareness also improves productivity and efficiency through route planning and location-based task management.



Please note: To request information for vehicle tags without CAN bus, contact us at info@redpointpositioning.com.

Key Features

Accurate

Provides position accuracy within 10 cm in normal conditions.

Quick Response

Positions are calculated up to 4Hz, enabling fast response time within 0.25 seconds.

Collision Detection

Tag measures distances to other tags and triggers collision warnings based on predefined rules.

Vehicle Connectivity

Connects directly to any vehicle supporting CAN bus and may be easily integrated to exchange data.

Wireless Connectivity

Change configuration or update firmware without taking the tag off the vehicle.

Designed for Reliability

Designed for harsh operating conditions such as strong shock and constant vibration.

Attaches Easily

Mount the tag to the vehicle with screws or zip ties, no special tools needed.

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



Vehicle Mount Tag - CAN bus Front



Vehicle Mount Tag - CAN bus Back



Vehicle Mount Tag - CAN bus Side

Electrical

| Parameter | Value |
|----------------------|--|
| Operating Frequency | 3.2 - 6.7 GHz |
| Power Input Voltage | +7 to 48 VDC |
| Rated Input Power | 2.5W (when alarm is inactive) |
| Alarm Output Voltage | +7 to 48 VDC (same with the input voltage) |
| Alarm Output Current | Up to 1A |

Mechanical & Environmental

| Parameter | Value |
|-----------------------|---|
| Dimension | 116(L) x 92(H) x 36(W) mm |
| Weight | 187. 1g |
| Mounting Type | 4x mounting holes for M6 screw |
| Cable Connector | DEUTSCH DTM04-08PB (Mating part DTM06-08SB) |
| Operating Temperature | -40°C ~ 85°C |
| IP Rating | IP66 |

On-Tag Interfaces

| Parameter | Value |
|------------------|--|
| Visual indicator | Tri-color LED |
| Power Input | 2 pins on the cable connector (VIN and GND) |
| CAN Bus | Single CAN V2.0B interface up to 1Mb/s |
| UART | 3.3V LVTTTL 115200 b/s, 8 data bits, 1 stop bit, no parity |
| Alarm Outputs | Buffered output & programable analog output |

Suggested Peripherals

| | |
|-----------------|----------------------------------|
| LED Light Strip | SUPERNIGHT™, FBA_LC-128 |
| Buzzer | PUI Audio Inc., AI-2604-TF-12V-R |

* Redpoint has verified the peripherals for vehicles with +12VDC power output.

Ordering information

The badge and accessories may be ordered directly through Redpoint. Please place a request using part number 9000-0714.

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