

Trailer Tracking and Security

The Vecima 2850 is a high-performance beacon designed for commercial trailers which are typically tethered to 12V and 24V vehicle systems. Trailers may now be tracked as independent vehicles in the Vecima Portal, regardless of whether they are tethered to a tractor.



This fully weather-proofed device has a powerful internal battery that will power the device for more than one month while the trailer is untethered, providing periodic location data.

Real-time Alerting and Reporting

Feature	Benefit
Single point locate	Pinpoint the trailer's current location
Scenario tracking and route logs	Periodic location to assist in trailer recovery and archive records of trailer movements
Temperature sensors	Monitor multiple zones and receive notifications when thresholds are crossed
Door sensors	Receive notifications when trailer doors are opened
Power cut notification	Receive notifications when the trailer is untethered from the tractor
Low battery notification	Receive notifications when the internal battery of the device requires charging

Long-term Trailer Management

The 2850 is designed to provide reliable location data even though the trailer may be untethered from a power source for an extended period.

The device conserves its internal battery by entering a "deep sleep" mode when the trailer is untethered. The device will wake up on a schedule set by the tracking scenario, transmit its current location to the portal, then re-enter sleep mode.

The 2850's internal battery will recharge when the trailer is reconnected to a power source.



Specifications

Location Technology

- Receiver: 99 channel engine
- Tracking Sensitivity: -167 dBm
- Acquisition Sensitivity: -149 dBm
- Location Accuracy: 2.5m CEP 50%

Wireless

- LTE CAT.M1
- Frequency Bands:
LTE FDD B2, B4, B12

Power

- 12/24 VDC Vehicle Systems
- Backup Battery: 3.7V 6400 mAh
- Power consumption:
30-120mA @ 12V (operating)
<1.2mA @ 12V (deep sleep)

Mechanical / Environmental

- Integrated GPS and Cellular antenna
- IP68 sealed enclosure
- Size: 4.7 x 3.2 x 1.4" (120 x 80 x 36 mm)
- Weight: 0.56 lb / 250 g
- Operating temperature range:
-4 to +140°F (-20 to +60°C)
- Humidity: 95%RH
@ 50°C non-condensing
- Shock and Vibration: MIL-STD-810G, SAE J1455