



# VT1

## ADVANCED COMPACT VEHICLE TRACKER



### WIRELESS ENGINE DIAGNOSTICS IN A SMALL FOOTPRINT

The VT1 is a next-gen telematics solution that offers powerful vehicle tracking features. With real-time engine diagnostics and driver behavior detection, the VT1 is designed to keep you connected and in control. Compact with a long-lasting hardware design, the VT1 uses standard CAN bus protocols, making it easy to install on a wide range of vehicles.

#### EXTENSIVE CAPABILITIES

The VT1 is an in-vehicle installed telematics unit that is designed to provide a wide range of in-vehicle functions. The VT1 supports a variety of reporting intervals and power conservation profiles that are simple to use. Additionally, all vehicle starts and stops, loss of GPS, low battery, and input state changes can be reported.

The VT1 represents a fresh approach in telematics engineering with a highly integrated, feature-packed solution in a small footprint. The VT1 provides quasi-real time reporting employs enhanced technology for improved GPS performance.

With an industry leading cost-down architecture, the VT1 outclasses competing devices many times its size and cost with a robust feature set including state-of-the-art vehicle locating functions as well as vehicle diagnostics capability.

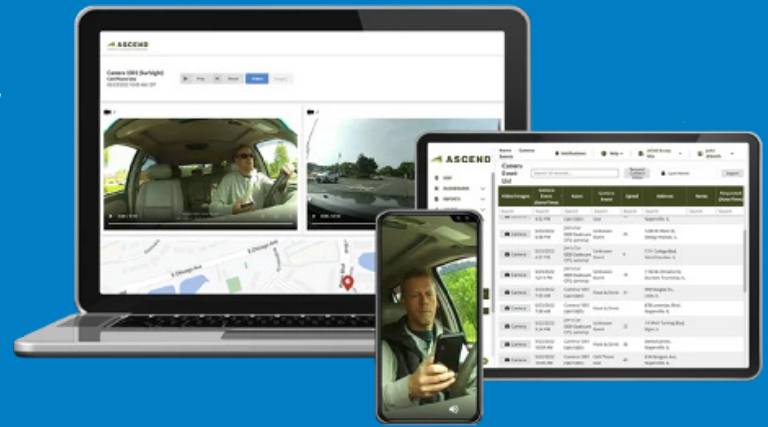
#### KEY FEATURES

- Supports Plug and Play (OBDii vehicles) or installs with a harness for J1939 & J1708.
- Device variations support ELD/HOS reporting specific to either US or Canada
- Proactive maintenance and fuel efficiency monitoring
- Data captured, stored, and viewed in the Geoforce Ascend platform
  - Vehicle Location
  - Odometer
  - Harsh Driving
    - Fast acceleration, Hard cornering, Harsh braking
  - Service Verification (history)
- 2 LED Indicators



# MANAGE YOUR ASSETS WITH **GEOFORCE PLATFORM**

Geoforce software works seamlessly with our VT1 hardware, providing a powerful solution for managing vehicles with real-time telematics data. The VT1 captures vital information, including engine diagnostics and location, and turns that data into actionable insights. With an intuitive interface, the Geoforce platform helps you track vehicle performance, optimize usage, monitor driver safety and make data-driven decisions that improve efficiency. Together, the VT1 and Geoforce provide a complete, integrated system to streamline vehicle management and keep your operations running smoothly.



## SPECIFICATIONS

### GPS Specification

GPS/GLONASS/BeiDou/Galileo/QZSS

#### **Cold start @open sky**

Autonomous 31 s

XTRA enabled 11.54 s

#### **Warm start @open sky**

Autonomous 21 s

XTRA enabled 2.52 s

#### **Hot start @open sky**

Autonomous 2.7 s

XTRA enabled 1.82 s

### Power Requirement

**DC Power:** 8V to 24V

300mAh Li-Ion polymer

200uA Sleep Mode

2mA Snooze Mode (Network On)

30mA Active Mode (Network + GPS

On)

### Mechanical

**Case Material:** ABS

**Dimensions:** 2.55" x 1.92" x 1.02"

**Weight:** 45 grams

**Operating:** -10°C to 60°C

**Storage:** -40°C to 85°C (Except Battery)

**Humidity:** 90% non condensing

### Band Operation

**LTE FDD:** B1/B2/B3/B4/B5/B8/B12/B13/  
B18/B19/B20/B26/B28

**LTE TDD:** B39

### Special Features

Wireless Firmware Updates

Internal Antennas

Internal Battery

Accelerometer

### Physical Connection

Internal 3V SIM (Form Factor 4FF)

OBID Connector

J1939, CAN, OBD II