



VT1

STANDARD 3-WIRE
VEHICLE TRACKER



LOCATION AND VEHICLE DATA WHEN YOU NEED IT

The Geoforce Standard 3-Wire Vehicle Tracker is a cost effective, compact vehicle tracker installed in mobile assets such as light commercial trucks. This tracker is designed for hidden installation which is ideal for stolen vehicle recovery as well as fleet usage optimization. The VT1's easy installation and fleet monitoring through Track and Trace allows companies to quickly optimize their fleet operations from day one.

KEY FEATURES

- ✓ Cost-efficient and reliable design
- ✓ LTE Cat M1 connectivity
- ✓ Internal 1000 MAH backup battery
- ✓ Built-in Antenna for Easy Installation
- ✓ Provides frequent location verification and engine runtime data during operation
- ✓ View Vehicle telemetry in Geoforce Track and Trace
 - Vehicle Location (real-time)
 - Engine Runtime
 - Idling
 - Harsh Driving (fast acceleration, harsh cornering/braking)
 - Service Verification (history)



MANAGE YOUR ASSETS WITH GEOFORCE *TRACK AND TRACE*

Geoforce designed and built its web-based and mobile software with field operations in mind, enabling us to provide innovative **Track and Trace** software for all your field asset tracking needs.

By combining this cloud-based software with rugged GPS tracking devices and global satellite network integration, Geoforce's **Track and Trace** facilitates asset location and retrieval, rental invoice auditing, service delivery verification, inspection compliance, and equipment maintenance alerts. Because field operations don't have to be chaotic.

TECHNICAL SPECIFICATIONS

Cellular/Network

North American Variant I
LTE Cat M1 1900 (B2)/AWS 1700 (B4)/700 (B12)*
MHz

North American Variant II
LTE Cat M1 AWS 1700 (B4)/700 (B13) MHz

Data Support

SMS, UDP Packet Data, TCP

Satellite Location (GNSS)

Constellation Support: GPS, GLONASS, SBAS Engine
(WAAS, EGNOS, MSAS,
GAGAN)

Channels: 55 Channel

Tracking Sensitivity -167 dBm

Acquisition Sensitivity -156 dBm (hot start)
-148 dBm (cold start)

Location Accuracy ~2.0m CEP Open Sky (GPS
SBAS 24 hours static)

Location Update Rate 4 Hz

AGPS Location assistance capable

Comprehensive I/O

Ignition Input 1 fixed bias

Digital Inputs 2 (high/low selectable 0-32
VDC)

Digital Outputs 3 (open collector relay 150mA)

Accelerometer Built-in, triple-axis (motion
sensing, tilt detection)

Certifications

Industry Certifications FCC, CE, IC, PTCRB, RoHS

Electrical

Operating Voltage 12/24 VDC Vehicle Systems
9-32 VDC (startup, operating)
7-32 VDC (momentary)

Power Consumption: Typical <400uA @ 12V (low power
sleep)
Typical <4mA @ 12V (sleep)
Typical 25mA @ 12V (radio-active
sleep)
Typical 50mA @ 12V (GPS tracking
and cell idle)

Battery Pack

Battery Capacity 1000 mAh

Battery Technology: Lithium-Ion

Charging Temperature 0° to +45° C

Environmental

Temperature -30° to +60° C (connected to primary
power)

-10° to +60° C (operating on internal
battery)

-20° to +25° C ≤ 6 months (long term
storage with battery)

Humidity: 85% RH @ 50° C non-condensing

Vibration/Shock: U.S. Military Standard 202G, 810F
SAE J1455

ESD IEC 61000-4-2 (4KV test)

Physical/Design

Dimensions 3.7 x 2.0 x 0.9"
(94 x 53 x 20 mm)

Weight: 3.95 oz. (112 g)

Connectors/SIM Access

Power, I/O 20-Pin 3mm Pitch

GPS Antenna Internal

Cellular Antenna: Internal

SIM Access Internal (2FF SIM)

*Note: B17 is a subset of B12

¹ Subscription service enabled. Contact sales rep for additional details.
