

GPS-301 - Telematics & GPS Fleet Management

Features

- ◆ High Sensitivity GPS Device
- ◆ Compact, lightweight, low profile design
- ◆ Plug-n-play installation
- ◆ Complete GSM/GPRS communications
- ◆ GPS location, geo-fencing, event reporting engine
- ◆ Ignition Sense
- ◆ Supports a host of OBDII permitted protocols
- ◆ Optimized 3-axis accelerometer for driver behavior monitoring
- ◆ Built-in programmable rules engine
- ◆ Control automation capabilities
- ◆ Driver behavior events & reporting
- ◆ Engine data-driven alerts and reporting
- ◆ Integrated SMS for commands & messages
- ◆ Auto-registration on power up

General

- ◆ Insurance Applications
- ◆ Telematics
- ◆ Driver and Vehicle Profiling
- ◆ Vehicle Recovery
- ◆ Fleet Management



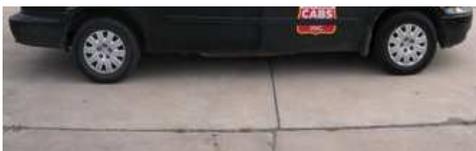
GPS-301

The GPS-301 is a certified dual-band integrated device, purpose-built for the Usage Based Insurance (UBI), telematics, and fleet management markets. Providing easy plug-and-play installation, designed for passenger cars, light trucks, and service vans.

It is an innovative plug-n-play device with internal antennas, providing complete GSM/GPRS communications. It supports a host of vehicle engine OBDII permitted protocols while still providing customizable features including GPS location, ignition, geo-fencing, trip reporting and events. Combined with the on-board 3-axis accelerometer, the device also has built-in threshold events to capture metrics critical to effective fleet and insurance monitoring such as excessive engine speed, rapid acceleration, harsh braking, speed violations, and excessive idling.

Tracking Software Support

- ◆ POWER-trak3 - Professional Enterprise Suite
- ◆ FleetLinked - Web Tracking Service
- ◆ Fleet-Control AP - Your Software



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OBD-11 Features

J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP2000, and ISO-15765 CAN protocols supported VIN, excessive engine speed (RPM), vehicle speed, vehicle battery voltage (low battery warning), check engine light (MIL alert), odometer (trip distance), idle time reporting, low fuel alert

GPS Fleet Management Features

I/O control, GPS TX internal, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo fencing and virtual odometer, driver behavior reporting

Location Monitoring & Fleet Management Software

POWER-trak3 - Professional Enterprise GPS Tracking, Security and Management Software (PC/Desktop/Server/Cloud/Web), no monthly fee, one time cost.

FleetLinked GPS Web Tracking Server (monthly subscription required). Subscribers can log onto the web site and view the current and historical activity of the user, and run comprehensive reports and activity analysis.

Fleet-Control API, is a low cost background software module running on your server that provides bi-directional integration of the solution to non-CES software systems, e.g. 911, CAD etc, or. It supports ALL CES subscriber devices in one protocol, negating the need to develop an interface to separate devices.

The screenshot displays the FleetLinked web tracking interface. The browser address bar shows the URL: www.fleetlinked.co/?sid=08378e976ac5ba8903eda33b6d14b6cb. The interface includes a navigation menu with options like Monitoring, Tracks, Messages, Reports, POI, Geofences, Drivers, Trailers, Jobs, and Notifications. A sidebar on the left lists demo vehicles: Demo320, Demo321, and Demo420. The main area is a map of Winter Park, FL, showing the location of Demo321. A popup window for Demo321 provides the following details:

- Location: S Semoran Blvd, Winter Park, FL 32792, USA
- Speed: 0 mph
- Input 1: Off
- Input 2: Unknown
- Input 3: Unknown
- Ignition: Off
- Driver Binding: ABCD0007
- Driver Name: Ricky

The map also shows other vehicles like Demo420 and various landmarks such as the University of Central Florida. The interface includes a scale bar (1000m/2000ft) and coordinates (N 28° 35.0640' : W -081° 18.2831'). The bottom status bar shows the time as 12:33 pm (-05).

Housing

- Dimensions: (L x W x H) 46 x 43 x 28 mm
- Rugged textured plastic enclosure UL94-Vo fire rated

Radio Technology: (North America)

- Frequency (MHz): 850/1900
- Transmit Power: Class 4 (2W@850 MHz)
Class 1 (1W@1900 MHz)

Radio Technology: (ROW)

- Frequency (MHz): 900/1800
- Transmit Power: Class 4 (2W@900 MHz)
Class 1 (1W@1800 MHz)

SMS Functionality

- Text, PDU, MO/MT, Cell Broadcast

GPS Functionality

- GPS Protocols: NMEA, Binary
- Buffered GPS Message Feature: Yes

Motion Detection

- 3-axis digital accelerometer for motion alert (towing alert) and driver behavior reporting (rapid acceleration, harsh braking) using configurable thresholds

Over-The-Air Commands

- I/O control, GPS TX internal, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo fencing and virtual odometer, driver behavior reporting

SIM Card / Interface / I/O

- SIM Access: Internal
- GSM Antenna: Internal antenna
- I/O Connector: Micro USB (2.0), command port
- OBD II Connector: J1962 compliant

On-Board Diagnostics (OBDII)

- J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP2000, and ISO-15765 CAN protocols supported VIN, excessive engine speed (RPM), vehicle speed, vehicle battery voltage (low battery warning), check engine light (MIL alert), odometer (trip distance)

Interface

- Host Protocols: AT commands, UDP API
- Internal Protocols: UDP API, TCP API
- API Control/Status: AT commands, UDP API, TCP API, AT commands over SMS

Environment

- Operating: -30°C to 85°C
- Storage: -40°C to 85°C
- Humidity: Up to 95% non-condensing
- Vibration: In accordance with SAE J1211

Power

Operating Voltage: 9 - 16 V DC

Certifications: (North America)

- FCC: Parts 2, 15, 22, 24
- PTCRB: Version 5.6
- CE: N/A
- GCF: N/A
- eMark: Yes
- RoHS Compliant: Yes
- Industry Canada: RSS-210, 132, 133
- AT&T: Yes
- Rogers: Yes

Dealer/Distributor: