

The Vector Automatic Vehicle Location (AVL) device was specifically designed to meet the basic communication requirements of mobile fleet drivers and operators. This straightforward, easy to use mobile data terminal offers a number of features that help reduce costs, improve productivity, increase driver security, and enhance overall customer service.



Features

Some key features of the Vector AVL™ include:

- Serial ports for additional in-vehicle devices
- GPS data buffered during network outage to ensure reliable reporting
- Easily interfaces to eFleet hosted dispatch solution

Benefits

This mobile data terminal encompasses enabling technology that delivers simple, yet necessary field-based operations.

■ Automatic Vehicle Location

The Vector AVL™ leverages GPS-based tracking technology to provide fleet operators the location of their vehicle in real-time. This feature allows fleet operators the capability to track vehicles automatically with minimal effort.

■ Cost Effective

Tracking vehicles in real-time with the Vector AVL™ will optimize the fleet operator's vehicles usage. This benefit improves overall operational efficiency and ultimately reduces costs.

■ Enhanced Security

The device's real-time tracking capability also enhances security. The Vector AVL™ can be hidden from view, inside the vehicle to detract from vandalism. Furthermore, the device can act as an image recorder when coupled with the SmartCam in-vehicle camera, providing a total security system.

■ Wireless Networks

The Vector AVL™'s wireless capabilities support most cellular data networks to interface with a fleet's existing wireless data service.



Specifications

Dimensions	■ 205 mm (L) x 135 mm (H) x 26 mm (D)
Weight	■ 420 g (without options)
Enclosure	■ Lightweight injection molded plastic
Processor	■ Intel® 80C186, 20 MHz
Memory	■ 512 kB battery-backed up RAM, 512kB flash memory, 2 kB EEPROM
Interfaces	■ 2 RS-232C ports, 3 digital inputs and 3 digital outputs
Status Indicators	■ Power LED (red), 2 x Status LED (green)
Electrical Requirements	■ Input Voltage: 13.8VDC (10 – 17VDC range) Current: less than 600mA at 12VDC
Environmental	■ Operating Temperature: -20°C to +70°C Storage Temperature: -40°C to +80°C Relative Humidity: 5% to 80% (non-condensing)
EMC (Electromagnetic Compatibility)	■ FCC Part 15B Class A; e-Mark per EMC directive 95/54/EC
ADD-ON OPTIONS	
Flash Memory	■ Internal 32 MB flash memory for data storage available upon request
GPS	■ Internal 12 channel GPS receiver with external antenna Accuracy: <5m (50%), <8m (90%)
Radio Modem	■ Private radio 4800 bps to 9600 bps available upon request
Cellular Public Data Modem	■ External GSM/GPRS, CDMA, or iDEN via RS-232C port Internal GSM/GPRS, CDMA modems for North America upon request
Peripherals	■ SmartPrint™ (In-Vehicle Printer) SmartPay™ (In-Vehicle Payment)

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