



**Drew
Technologies, Inc.**

AVIT



Vehicle



PassThru Device /
Embedded Platform



Wireless laptop
or no PC at all

Data Acquisition and Remote Management

AVIT was designed specifically for high speed remote data acquisition. AVIT supports common heavy duty truck protocols and 16 analog high resolution inputs. It can host applications on embedded Linux, and communicate with cellular modems using USB Host. With these capabilities, AVIT is a great stand-alone product for managing trucks, fleets, and test vehicles on the road.

High Performance Analog Inputs

The AVIT heavy truck vehicle interface box supports heavy truck protocols, 16 analog inputs, 4 digital I/Os, 256M Bytes of internal RAM, optional Compact Flash storage card, optional wireless interface all over an extended temperature range. AVIT has 16 Analog inputs with +/-5V input range, 10000 samples per second maximum sample rate, 2 mV resolution, and software configurable filters set by default to 5 KHz, 500 Hz, 250 Hz, 100 Hz, 50 Hz and 20 Hz.

Product Specifications

- 256MB Onboard RAM
- Embedded Linux OS
- 1 USB Host Port
- RJ45 Ethernet
- Optional 802.11 Wireless
- Low Power mode

A Multipurpose Tool

The AVIT is flexible and capable of supporting many different tasks with additional software. Possible uses include:

- ECU simulator
- Data logger / flight recorder
- Dealer service tool
- End-of-line Tester
- Fleet and remote monitoring

Vehicle Protocols

AVIT has built-in hardware to communicate with in-vehicle networks on CAN-based modern vehicles and Heavy Duty trucks. Protocols supported include

- 2 CAN channels for J1939 and GMLAN (including Single wire CAN),
- J1850VPW (GM Class 2)
- 1708