

CarDAQ-DV

DV for Developer Version

The CarDAQ-DV is a rugged vehicle communications tool intended for use by 3rd party software companies. It has complete protocol support for 1996-newer OBD2 compliant vehicles. With the CarDAQ-DV software developers can easily add vehicle diagnostic and communication to their existing application without spending time learning the details of vehicle diagnostics and communications. Examples for use include fleet management, emissions test stations, diagnostics software, shop management software, and many other automotive applications.



Diagnostic Integration

The CarDAQ-DV works with JVCI, a diagnostic library and API available for 3rd party application integrators. JVCI is a licensable API and Library designed to help 3rd party developers easily get both generic and manufacturer-specific enhanced data without requiring any programming to communicate with the ECU or identify parameters. This data can be used for diagnostics, monitoring, or to capture sensor data from the vehicle for any reason. Source code and examples for using JVCI are available from Drew Technologies.

Optional Integrated WiFi

The CarDAQ-DV comes standard with wired Ethernet for high speed reliable communications. It can be ordered with built-in 802.11 WiFi for remote operation.

J2534 Communications

The CarDAQ-DV uses J2534, the only standard for OBD2 communications. The CarDAQ-DV works with many 3rd party scan tool, diagnostics, and data logging applications.

MIT Autonomous Vehicle

Massachusetts Institute of Technology (MIT) chose Drew Technologies and the CarDAQ-DV for use in their autonomous vehicle being developed for the 2007 DARPA Grand Challenge. The DARPA Grand Challenge requires robotic vehicles to autonomously operate amongst one another in an urban environment. The vehicles will complete a series of missions, during which they must follow standard driving laws (e.g. stop at intersections, merge with traffic, obey speed limits, etc.) and will be forced to deal with challenges common in urban driving such as moving and stationary cars, roadblocks, potholes, barrels, and other obstructions. The CarDAQ-DV with JVCI will be used to bring data off the in-vehicle network and sensors to help the vehicle operate autonomously.

