



- ✓ “Out of the box” J2534 Pass-Thru device.
 - ✓ “Easy to Use” providing a simple user interface/connection.
 - ✓ J2534 API - latest standards version supported.
 - ✓ Runs the SAE J1699 Vehicle Validation software.
 - ✓ On or off-board J2534 module programming.
- ✓ Supports CAN (ISO 11898, J2284), Single-Wire CAN, ISO 15765, ISO 9141, KWP2000, J1850 PWM (Ford SCP), J1850 VPWM (GM Class 2 and Chrysler), SCI and GM-UART.
 - ✓ USB 2.0 connection to a PC for fast downloads. Operates at full network speed with fast and efficient data transfers.
 - ✓ Vehicle connection with an OBDII cable or a custom cable.



INTRODUCTION - VEHICLE STANDARD INTERFACE

The VSI-2534 is a J2534 Pass-Thru device with a primary purpose to program automotive ECUs (Electronic Control Units). It provides module programming for development, re-programming (reflashing), and end-of-line testing.

The VSI-2534 is also useful for vehicle diagnostics, development, general design, hardware-in-the-loop simulation and provides for communications with any vehicle network. The VSI-2534 is perfect for running the J1699 emissions compliance testing software required by CARB. It provides a stable reference design during module development and testing.

How To Use THE VSI

Some typical applications of the VSI-2534 include:

- ✓ Use the SAE J1699 validation software on a PC to confirm if the vehicle conforms to OBD-II specifications.
- ✓ Use DG’s J2534 SDK (Software Development Kit) to query the vehicle or module to design optimal solutions.
- ✓ Re-program a module’s firmware using a PC program obtained from an automotive manufacturer.
- ✓ Write your own PC application using the supplied Windows DLL and making J2534 function calls to the VSI-2534, sending data into the vehicle and receiving responses back. DG can also provide this on a contract basis.
- ✓ You can write any application to communicate with a module using either proprietary or public protocols.

J2534 SOFTWARE DEVELOPMENT KIT (SDK)

Included with the purchase of your VSI-2534, the SDK is a software and documentation set that is used to develop your own application using J2534 function calls. An intuitive sample user interface is included so you can immediately communicate with the VSI and your vehicle or module.

Using the intuitive user interface of J2534 SDK, you can quickly and easily:

- ✓ Connect to the vehicle with the applicable protocol.
- ✓ Send commands to the vehicle and read responses.
- ✓ Set, enable/disable Filtering values: Block, Pass, Flow Control.
- ✓ Save commands and data to an ASCII file. Clear the data window.

