

Python

Python 是一款價格低廉，支持多種通訊協定的硬體界面。它是用來和所有具有OBD2 界面車輛的車內診斷網路進行通訊。Python 具有 J2534 API，可用來對ECU進行軟體再裝(Firmware



Reprogramming)，或作為硬體界面進行故障診斷。此一多功能硬體界面可經由USB端，或RS-232 端和PC通訊。Python產品系列還包括一個平行界面轉換器，以便和相連的CAN匯流排網路進行通訊。其典型用戶包括通用汽車公司及其供應商、日本電莊、日野、西門子等。

所支援之通訊協定和APIs:

CAN (canbus), ISO9141-2, ISO11898 (CAN), ISO15765, J1939, J1979, J2284, J2534, KWP2000 (ISO14230).

Common Applications

Application	Description
Diagnostics	Our Python is a vehicle diagnostics tool that can be used in end-of-line testing, service-level interface for diagnostic functions. It provides a J2534 Interface used by companies to write their own applications.

Available Accessories and Options

The following items are available

Part Number	Product Name
MP-PY-USB-CABLE	USB to DB-9 male cable.
MP-PY-OBDII-CABLE	OBDII to DB-9 female cable.

Related Products

Part Number	Product Name
MP-OBDII-BOX	Dearborn OBDII Breakout Box_– our OBDII box that gives you a practical and easy way to establish in-line electrical connection to the Vehicle On-Board Diagnostic (SAE J1962 or OBDII) connectors.

A low-cost, multi-protocol hardware interface that is designed to communicate to all OBD II vehicle diagnostic networks. See [Archive Section](#) for previous items.

Software and Device Drivers

- [Python \(1B\) J2534 Installation & Setup program – Version 8.07](#) (EXE, 1.97MB).

Note: Requires Python Firmware Version 3.42 to function.

- [Python \(1B\) J2534 Release Notes – for Version 8.07](#) (PDF, 30KB).

This release is based on the 03.05 J2534 specification. This release is compatible with the 02.02 J2534 specification. Please note that the “02.02” Reference is to the February 2002 J2534 Specification.

- [Python \(1B\) J2534 Installation & Setup program – Version 9.03](#) (EXE, 2.4MB).

Note: Requires Python Firmware Version 3.42 to function.

- [Python \(1B\) J2534 Release Notes – for Version 9.03](#) (PDF, 29KB).

NEW! *This release is based on the 04.04 J2534 specification.* This is not backward-compatible with the 02.02 J2534 specification. Please note that the “02.02” Reference is to the February 2002 J2534 Specification, and the “04.04” Reference is to the December 2004 J2534 Specification.

Note: To purchase the J2534 specification, [click here.](#)

Note: For previous software and driver versions, see the [Archive Section](#) of our Download page.

Product Data Sheet

- [Python Data Sheet](#) (PDF, 71K).

Product Manuals

- Not applicable

Firmware

Contact Dearborn Group Sales or Technical Support for upgrade information.

Examples

- [Demo Example](#) – (CPP, 8K).
- [Demo Example](#) – (H, 2K).

The Dearborn Group J2534 SDK

- The scope of this utility is to help user develop a J2534-based application compliant to 04.04 specification.
- [Installation application](#) (EXE, 313K).
- The source code for the utility is located under "C:\J2534 SDK\Source Code" (default installation directory "C:\J2534 SDK") and can be used for reference while developing an application.
- The executable can be created by compiling the source code with Microsoft Visual C++ 6.0 or later.
- This application is designed to communicate with any Dearborn Group Technology J2534-based products. One of these DG products need to be properly installed for this application (or a user created version) to be usable: VSI-2534, Python, or one of the Gryphon Family tools.

