

OBD-II CAN Bus GPS Development Kit

Feature

- Male OBD-II connector
- Easy-to-use Arduino library
- Integrated ATmega32U4 – 8-bit AVR microcontroller
- NEO-6 GPS breakout
- Integrated microSD card (or TF card) slot
- Micro-USB port for output
- Supports up to 115200 UART baud rate (default 9600)
- Supports up to 1Mb/s CAN Bus baud rate
- LED indicators for TX and RX

Specification

Parameter	Value
MCU	Atmega32U4 (with Arduino Leonardo bootloader)
Clock Speed	16MHz
Flash Memory	32KB
SRAM	2.5KB
EERROM	1KB
Operate Voltage	5V
Input Interface	OBD-II
Output Interface	Micro-USB

Application

The development kit allows you to access your vehicle's CAN bus via the OBD-II connector. The development kit can be connected (plugged) to your vehicle's OBD-II port (On-Board Diagnostics port). The base board of the development kit is integrated with an Atmega32U4 microprocessor.

The CAN-Bus library is available to write sketches using Arduino IDE to send and receive messages from the CAN bus network and also allows you to fetch useful data from the messages. The output data can be taken through the Micro-USB port or you can store them to a microSD card (TF card) by inserting to the microSD slot.

The main board in the kit is based on **MCP2551** CAN transceiver and **MCP2515** CAN receiver, which provides baud rate from 5kb/s to **1Mb/s**.

A NEO-6 GPS breakout is seated on the base board allows you to track your vehicle with this fantastic small module by logging the GPS data to a microSD card.

Part List

OBD II Slaver(Base board)	x1
GPS Board	x1
Plastic Case	x1
Screw Driver	x1

Note : MicroSD card or TF card is not included with this package.

