

## Memory Requirements:

The standard memory requirements are as follows:

ROM - 15Kb

RAM - 3 Kb

## Application of OBID II Stack in Automotive:

OBID II stack is widely used across the automotive Industry. This stack is best suited for passenger cars and light commercial vehicles. Following are some examples of such applications:

- Vehicle Diagnostic applications like emission control and monitoring of major engine components.
- Telematics Unit
- Fleet Management System
- Electronic Logging Device(ELD)

## Engagement Model and Overview:

Leverage the benefits of **one-time licensing fee model** for this stable, pre-tested and industry recognized OBID II protocol stack

This model makes **the OBID protocol stack re-usable for multiple production programs**. Terms and conditions for business model of the stack is completely aligned with the specific requirements of the customer. We would love to chat over a coffee to discuss your project's requirements and vision.

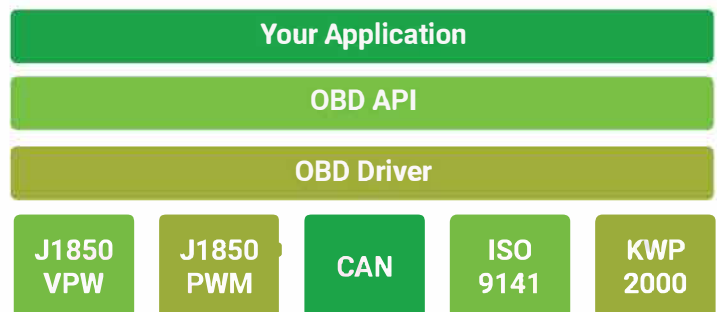
This pre-packaged OBID II software stack solution can be implemented in an Automotive ECU product as a server, in an External Tool Kit (like a scanner) as a client or in Telematics unit as a slave.

## OBID II Solution Package:

Our OBID II stack is designed and developed in compliance with ISO 15031 Standard.

The software package consists of a, complete source code and OBID API which helps in integration of the OBID II stack with the target application and Hardware Layer. The standard solution package includes the following:

- ISO 15031 standard complaint OBID services
- ISO 15765 standard complaint OBID over CAN module (CAN TP Layer)
- VPW/PWM drivers to support OBID over J1850
- ISO 14230 complaint UART/K-Line drivers to support OBID over K-Line
- ISO 9141-2 complaint UART drivers to support OBID over ISO9141-2



## Features:

- Supports all the Functional Address and Physical Address.
- Auto protocol detection across CAN, K-line, ISO9141 and 17850.
- Supports all the OBID modes: Mode 01, 02, 03 and so on.
- cfg.c and cfg.h files consist of the configurable OBID PIDs.
- OS independent: Compatible with Non-OS, RTOS, and Linux environments.
- Platform independent: integrated with 8 bit, 16 bit and 32 bit microcontroller (Freescale, Renesas, PIC, Fujitsu)

### **Integration, Testing and Support Services for ECU and After-Market Products:**

- Implementation of physical layers (CAN, J1850, K-Line and more) as per the project requirement
- Integration of the stack with the target application and hardware platform.
- Development, testing and maintenance support for After-Market Products for Telematics, ADAS, Remote Vehicle Diagnostic applications.

### **Get in touch with our Team:**

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