Engagement Model and Overview:

We offer this pre-tested and pre-packaged CAN FD software solution under a **one-time licensing fee model.**

Under this model, **CAN FD protocol stack can be reused 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.
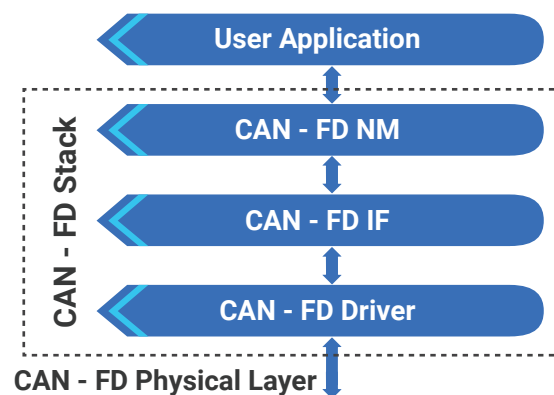
We have extensive experience in partnering with global auto-motive OEM's and suppliers for successful deployment of the CAN FD software solution across various production programs in the USA, Europe, and India.

CAN FD Solution Package:

The software package consists of **the CAN FD protocol layers and CAN FD API which helps in integration of the CAN FD stack with the customer application.**

Our ready-to-deploy and re-usable CAN-FD stack solution consists of the following:

- **CAN FD Driver:** Data abstraction between physical layer and higher layers of the stack architecture.
- **CAN FD Interface Layer:** Routing of the Bus channel and hard ware independence of the software stack.
- **CAN FD Network Layer:** The Tx and Rx messages are config ured to communicate the status of the various modes of operation cycles of the CAN BUS, to the application layer.

Memory Requirements:

The Memory Requirement can vary according to the number of Tx and Rx messages configuration for CAN IF layer. Following are the standard memory requirements:

ROM - 5 KB

RAM - 2 KB

Application of CAN FD in Automotive:

The CAN FD stack is ideal for the applications which require large bandwidth for data communication or faster baud rate. The following are some examples of such applications:

- **Vehicle Diagnostics**
- **ECU reprogramming**

User Application

CAN - FD Stack

CAN - FD NM

CAN - FD IF

CAN - FD Driver

CAN - FD Physical Layer

Features:

- Designed to support 64 bytes of data transfer
- Due to higher payload CAN FD stack doesn't require transport layer protocol
- Supports bandwidth of more than 8 Mbit/s
- Data transfer rates are faster and signal fidelity is better due to simpler packet management
- Longer CRC check keys ensure data security in CAN FD
- CAN FD controllers can be used as classical CAN nodes.

CAN FD Integration and support Services:

- CAN FD Driver development services as per the compatibility with the Hardware platform.
- Integration of the CAN FD software stack with the target application.
- Static Configuration for CAN IF layer (Tx and Rx messages) according to the project/ application requirement through Cfg.c and Cfg.h files.
- Integration support services for vehicle application layer and PC Tools.
- CAN FD Bootloader development to support re-programming of the automotive ECU
- Testing services for the CAN FD Bootloader as per the ISO Standard
- Conformance testing as per ISO 16845 Standards
- Integration testing and maintenance services.

CONNECT WITH US

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