

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**

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.

Engagement Model and Overview:

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

This engagement model gives you the ownership of the software **IP rights** and the **source code** of the CAN FD software stack. The IP rights enable you to deploy the software stack across multiple product lines.

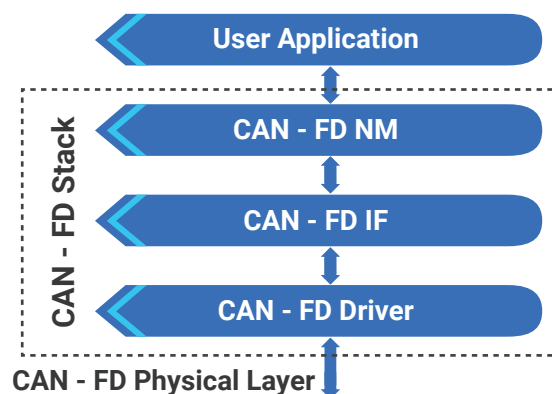
We have extensive experience in partnering with global automotive OEM's and suppliers for successful deployment of the CAN FD software solution across various production programs in the USA, Europe, and India.

CAN FD Solution Package:

The software package consists of the source code 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 hardware independence of the software stack.
- **CAN FD Network Layer:** The Tx and Rx messages are configured to communicate the status of the various modes of operation cycles of the CAN BUS, to the application layer.



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.

Get in touch with our Team:



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