LIN STACK
—FACT-SHEET—

MEMORY REQUIREMENTS:

The memory requirement of a LIN Stack depends on the Tx and Rx messages that need to be configured for the LIN IF layer.

More the number of messages, higher will be the memory requirement.

However, as per our experience across various projects related integration of LIN Software Stack, the tentative standard memory requirement will be as follows:

ROM: 5KB   **RAM: 2KB**

APPLICATION OF LIN STACK IN AUTOMOTIVE

LIN Protocol based software stack has helped our customers (across US, Germany, India and China) for implementation of LIN sub-network, in passenger cars and commercial vehicles

We have partnered with customers for configuration and integration of our LIN Software Solution for the following applications:

- Roofing system in vehicles
- Wiper Control
- Door Lock/Unlock Control
- Any application on LIN subnet

ENGAGEMENT MODEL AND OVERVIEW

LIN Software Stack, designed and developed by our experienced automotive team, is a ready-to-deploy, stable and pre-tested solution. We have developed separate LIN Stack solutions for LIN Master and LIN Slave configurations.

We offer this LIN protocol stack under a one-time licensing fee model.

This model makes the LIN 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.
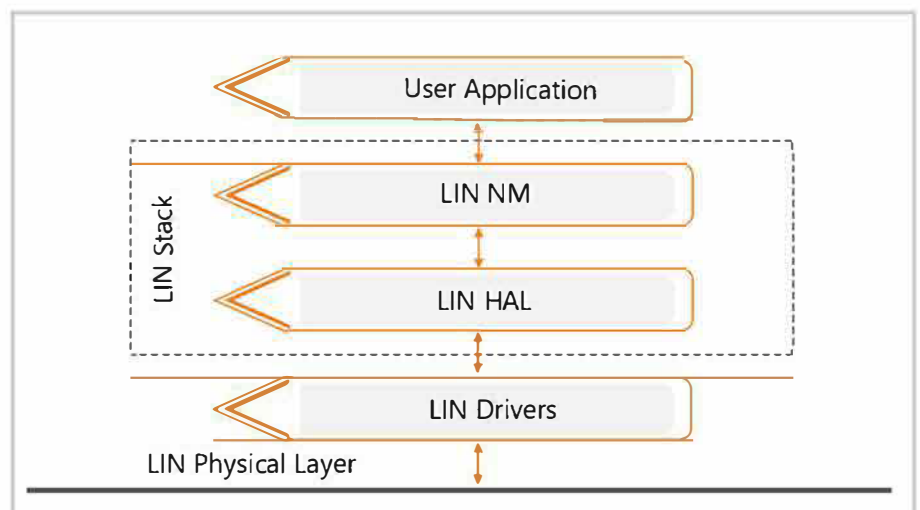
LIN STACK SOLUTION PACKAGE

Our LIN stack is designed and developed in compliance with SAE 2602 Standard.

The software package consists of the complete source code and APIs that help in integration of the LIN stack with the Target Application and the Hardware Platform.

The standard solution package includes the following:

- **LIN Device Drivers:** It facilitates the access to the hardware resources and offers a hardware independent API to the upper layer.

- **LIN Hardware Abstraction Layer:** Consists of LIN Interface and LIN TP Layer; Responsible for hardware abstraction, error handling and transport layer software services for diagnostics

- **LIN Network Management: Coordinates** the transition between normal operation and bus-sleep mode of the network.

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delivered with passion

LIN STACK INTEGRATION AND SUPPORT SERVICES

FEATURES

- Based on Slave/Master Architecture; LIN stack is available as a LIN Master and LIN Slave Solution

- PC Based LDF to auto-code generator Tool, for faster configuration of LIN IF Layer.

- Configurable HAL standard code

- Skeleton code for Scheduler table, is provided along with the LIN stack

- Configuration for Software Filtering

- Device Driver Development for LIN Master and LIN Slave

- Experience in delivering Support for Driver Integration, for several popular Microcontroller Platforms

- Algorithm development for Scheduler Table and its configuration based on LDF files and SWRS

- Tx and Rx message configuration from LIN Description File (LDF)

- PC based proprietary tool, for LDF to configuration file generation

- Support for data segmentation over LIN TP to facilitate sending of large data packets