

## Memory Requirements:

Following are the standard memory requirements:

**ROM - 512 Kb**

**RAM - 1 Mb (minimum)**

## Applications of ISOBUS stack in Automotive:

ISOBUS software solution is integrated to standardize data communication between tractors and implements designed by different global OEMs' and suppliers

**Following are some of the applications of the ISOBUS software stack:**

- Vehicle Diagnostic for Tractors
- Facilitating Interoperability between different Implements such as :

- Fertilizers
- Seeders
- Sprayers
- Harvesters
- Forage
- Irrigation

## Features:

- ISOBUS stack ensures interoperability of data transfer between tractor and implements.
- Implement target application is configurable in ISOBUS.
- ISOBUS stack supports Diagnostic Protocol for Implement.
- Object pool configuration using static configurable files such as cfg.c and cfg.h
- ISOBUS supports TP layer and File server which facilitates large amount of Data transfer.

## Engagement Model and Overview:

Our pre-tested, ready-to-deploy and stable ISOBUS software stack is offered under a **one-time licensing fee model**.

This model provides you the ownership of the software **IP rights** and the **source code** of the ISOBUS stack.

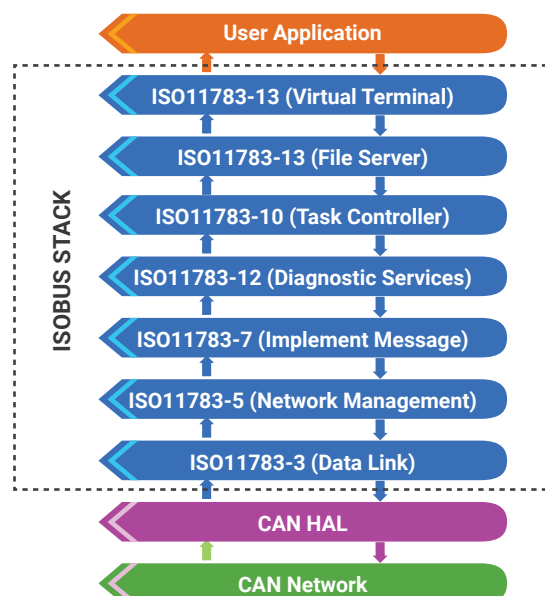
With IP rights and the source code, as a customer you can leverage the benefits of reusing ISOBUS software stack across **multiple projects and/or across product lines**.

With embedded software & hardware development expertise of 10+ years, we have partnered with global Automotive OEMs' and Suppliers for successful deployments across various production programs in the USA, Europe, and India.

## ISOBUS Solution Package:

Our ISOBUS software stack is developed in compliance with ISO 11783 standard, defined for agricultural and forestry based tractors & implement applications.

The solution package includes a set of APIs to facilitate ISOBUS stack integration with the target application and the CAN based physical layer.



## ISOBUS Integration, Testing and Support Services:

- Integration of the platform independent ISOBUS software stack with the target application
- Integration of the ISOBUS software stack with the hardware platform.
- Development of APIs for integration with hardware platform and target application
- Development of ECU reprogramming module/ Bootloader development based on ISO 11783 Standard.
- Object pool configuration tool development with respect to customer requirements.
- CAN Device driver development
- Conformance Testing
- Production testing or end-of-line testing
- Post-production support after integration with the target application.

## ISOBUS Stack Configuration and Customization:

The following customization can be configured based on specific business requirements:

- The configuration of Implement Rx and Tx messages in ISOBUS stack.
- Configurations of the Fault-code memory.
- DM configuration for active faults, passive faults, and clearing faults.
- The configuration of Task Controller with respect to customer needs.
- The configuration of the Information management layer services to manage communication between the Tractor ECU and the implement control unit.
- The configuration of the reprogramming sequence as per the end-user application requirements.

### CONNECT WITH US

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