

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.

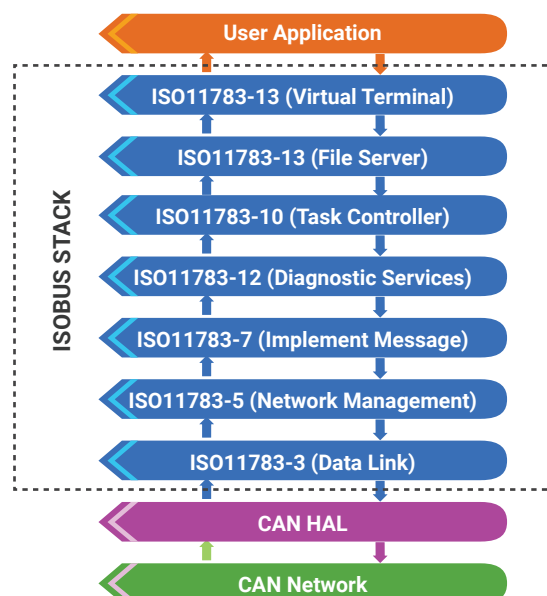
With IP rights and the source code, as a customer you can leverage the benefits of reusing ISOBUS software stack across **multiple projects and/or across product lines**.

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.

Get in touch with our Team:



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