

DeviceNet Master Library (DML)

Function overview

The DeviceNet Master Library is a software package offered by IXXAT as a Value Added Design Partner (VADP) of Allen-Bradley / Rockwell Automation.

The software facilitates the development of DeviceNet Master and I/O Scanner devices used in industrial controls for DeviceNet. The configuration of the scanner with RSNetWorx for DeviceNet is supported.

The modular structure of the protocol software allows an optimum implementation into the target system. A separate module contains all CAN interface functions in order to access the CAN controller, thus providing the user easy adaptation to CAN controllers that are currently not supported by the software.

The DeviceNet Master Library is delivered as source code. The documentation allows a quick start using the software.

Functionality

Master/Scanner-Functions

- Simultaneous Operation of Master and Slave
- Background Polling for low-priority nodes
- Flexible Bit-Mapping of I/O Data on up to 4 Memory Segments
- Shared Inputs between several scanners allows shared access to the input data of a node without additional I/O connections.
- Supports multiple Identity Object Instances and Applications Objects on the host side

User-specific Hardware Interface

- Prepared interface for various CAN controllers

Configuration and Diagnosis

- Supports Generic Scanners
- Configuration with RSNetWorx for DeviceNet by means of EDS File
- Access to internal data structures possible from both the host and network side
- Firmware Upload and Download

Order number

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