NetStaX™ DSDK

DEVICENET SLAVE DEVELOPERS KIT

Pyramid Solutions' NetStaX™ DeviceNet Slave Developers Kit (DSDK) enables you to quickly introduce DeviceNet Slave functionality into your products and systems.

Designed for rapid integration into your DeviceNet products, the DSDK allows product developers to add UCMM capable DeviceNet Slave functionality using field-proven source code. All source code, with the exception of some microprocessor-specific startup code, is written in C.

Benefits

- High performance
- Out-of-the-box examples
- Simplified porting
- Minimized resource use
- Rich set of features
- Scalable

The DSDK Contains

- Example application code for an AMD 80188EM/SJA1000 CAN controller and the Infineon (Siemens) C167CR
- DeviceNet Slave Stack Source Code
- DeviceNet Slave Stack Example Code (platform builds examples)
- DSDK User Guide
- Source code modules

Features

- Compiler support for x186 and Infineon SABC167CR micro-controllers
- Scalable for Group 2 only or UCMM capable devices
- Predefined Group 2 connection set
- Support for explicit message, cyclic, poll, change of state and strobe connections
- UCMM explicit message server
- UCMM explicit message client
- Group 2 only server capabilities with hardware screener
- NV or DipSwitch net parameter support
- Fragmentation of both explicit and I/O messages
- Offline connection set
- Device heartbeat message production
- Device heartbeat message consumption

- **CAN Controller Supported**
  - Philips SJA1000 SABC167
  - Infineon

- **Supported Objects**
  - Identity
  - DeviceNet
  - Connection
  - Assembly
  - Ack Handler
  - Message Router
  - Rockwell Automation Non-Volatile Storage template
  - Debug template

Application Software

DSDK Software Protocol Stack

CAN Chip

CAN PHY

DeviceNet™

PYRAMID SOLUTIONS