

# NetStaX DSDK

DeviceNet Slave Developers' Kit

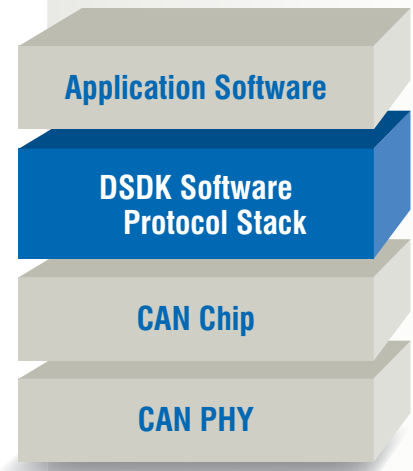
Pyramid Solutions' NetStaX™ DeviceNet Slave Developers Kit (DSDK) enables you to quickly introduce DeviceNet Slave functionality into your products & systems.

The DSDK allows product developers to add UCMM capable DeviceNet Slave functionality using field proven source code. Designed for rapid integration into your DeviceNet products, the kit includes documentation, source code, and example application code for both an AMD 80188EM / SJA1000 CAN controller and the Infineon (Siemens) C167CR. All source code, with the exception of some microprocessor-specific startup code, is written in C. The DSDK consists of source code modules, example application code and a User Guide. The DSDK is distributed under a non-royalty Software License Agreement.

## DSDK Features & Kit Description

- Compiler support for x186 & 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
- **Complete DSDK Developers Kit includes:**
  - DeviceNet Slave Stack Source Code
  - DeviceNet Slave Stack Example Code (platform builds examples)
  - DSDK User Guide

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



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