

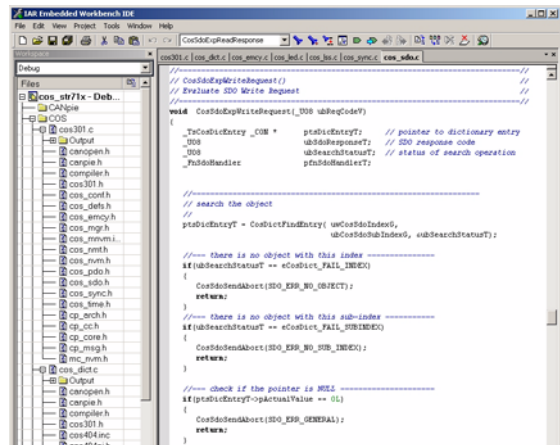


## Source Code

### DeviceNet slave protocol stack

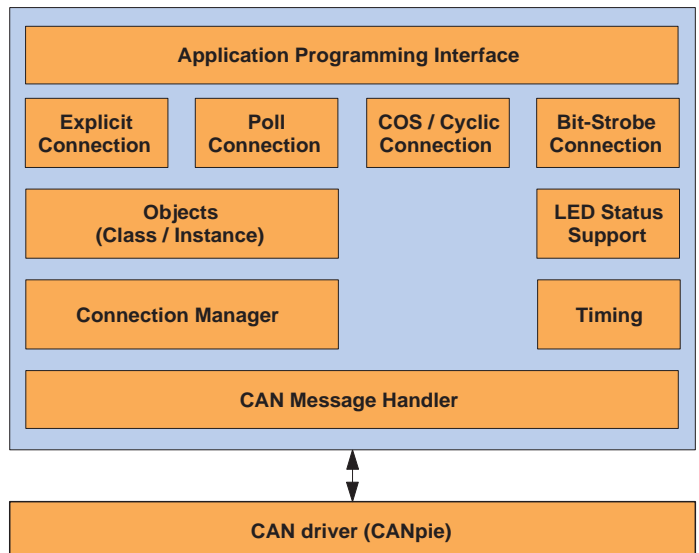
Software package for development of DeviceNet slave devices

The DeviceNet slave source code offers the complete functionality for the integration of the DeviceNet standard into your devices. Versatile configuration options allow individual customisation to the target system. Example codes facilitate the startup phase, enabling users to focus on the implementation of their own application. A consistent driver interface provides the flexibility to use any CAN controller available on the market.



## Features

- Modular software structure, independent from the operating system
- Direct access to all variables of the devices
- Full support of the predefined Master/Slave connection set for development of a Group-2-Only-Slave
- Explicit messages, poll, bit strobe, change of state / cyclic
- Continuous maintenance of code
- Application-optimized through simple software switches, thus reducing code sizes
- Support of implementation



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Functionality	DeviceNet slave protocol stack
Classes / Instances	<ul style="list-style-type: none"> <li>• Identity (Class 1)</li> <li>• Message Router (Class 2)</li> <li>• DeviceNet (Class 3)</li> <li>• Assembly (Class 4)</li> <li>• Message Router (Class 5)</li> </ul>
Messages of the Predefined Master Slave Connection Set	<ul style="list-style-type: none"> <li>• Poll</li> <li>• COS / Cyclic</li> <li>• Explicit</li> <li>• Bit-Strobe</li> </ul>
Services	<ul style="list-style-type: none"> <li>• DUP MAC Check</li> <li>• Heartbeat</li> </ul>
Modules	<ul style="list-style-type: none"> <li>• LED - support of network Netzwerk / device status</li> <li>• Vendor-specific classes (Class 100)</li> </ul>
Supported Controllers	<p>CANpie, available for a wide range of CAN Controllers:  Atmel T89C51CCxx / AT90CANxxx, Freescale HCS12 / XGATE, Fujitsu 16LX,  Infineon C5x5CA / C16xC, Microchip PIC18Cxx8, NEC V850, TI DSPs, etc.  (other Microcontrollers upon request)</p>

Order Number	Description
50.03.001	DeviceNet Slave Protocol Stack Protocol Stack as source code, comprehensive example programs as well as documentation in English language
50.10.xxx	CANpie driver API for CAN-implementation of the respective Microcontroller (please contact us to ascertain availability for specific Microcontrollers)