

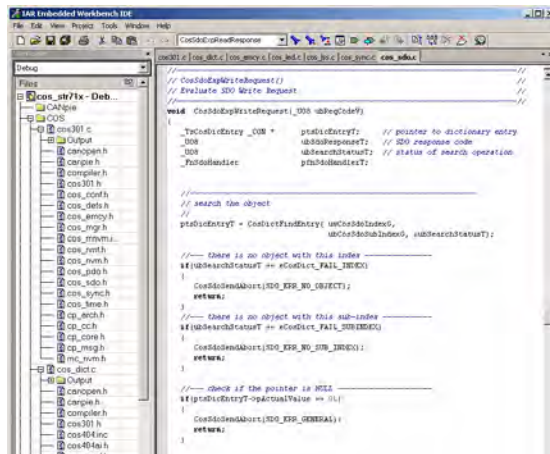


Source Code

CANopen master protocol stack

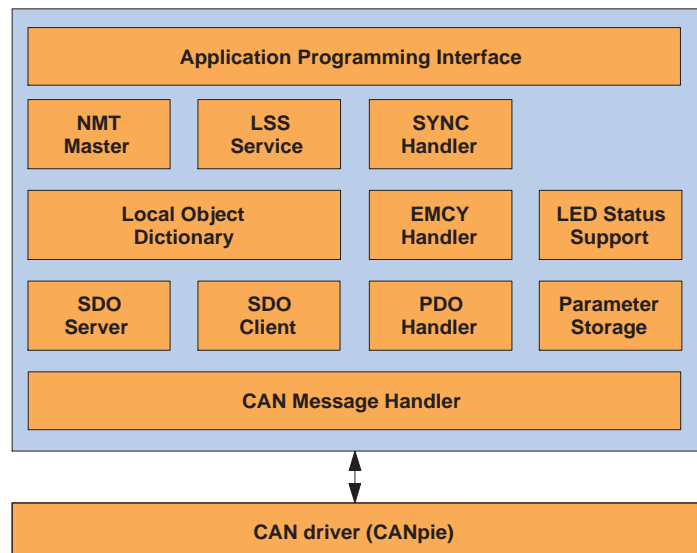
Software package for development of CANopen master devices

The CANopen master source code protocol stack offers the complete functionality for integration of the CANopen standard CiA 301 in your own devices. Versatile configuration options allow an individual customisation to the target system. Example code eases the startup phase, the user can concentrate on the implementation of his own application. A consistent driver interface gives the flexibility to use any CAN controller available on the market.



Features

- Complete functionality according to CANopen specifications CiA 301 and CiA 302
- Modular software structure with versatile configuration options
- Broad range of supported CAN controllers
- Consistent interface for the CAN driver (CANpie)
- Simple customisation to application (vendor specific parameters)
- Miscellaneous add-ons available



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Technical Data	CANopen master protocol stack
Communication profile	<ul style="list-style-type: none"> • CiA 301, version 4.1 • CiA 302
NMT master	<ul style="list-style-type: none"> • Boot-up message • Heartbeat producer / consumer • Node-Guarding
SDO client	<ul style="list-style-type: none"> • Expedited upload / download • Segmented upload / download • Block upload / download
PDO handler	<ul style="list-style-type: none"> • assignment of PDO data to a process image • Support for Standard / Extended Frames • Static / Dynamic mapping
CANopen services	<ul style="list-style-type: none"> • Emergency messages • Synchronisation message (SYNC consumer / producer) • Layer Setting Services (CiA 305, LSS)
Miscellaneous	<ul style="list-style-type: none"> • LED status information • Parameter store /restore
CAN driver	CANpie, available for a wide range of CAN controllers (refer to separate datasheet)

Order Number	Description
50.02.001	CANopen Master Protocol Stack Protocol Stack as C source code, example programs, documentation in English language
50.10.xxx	CANpie driver (refer to separate data sheet)