



Virtual CAN Driver

Develop and simulate your NTCAN based Application without CAN Hardware

Execute NTCAN API based Applications

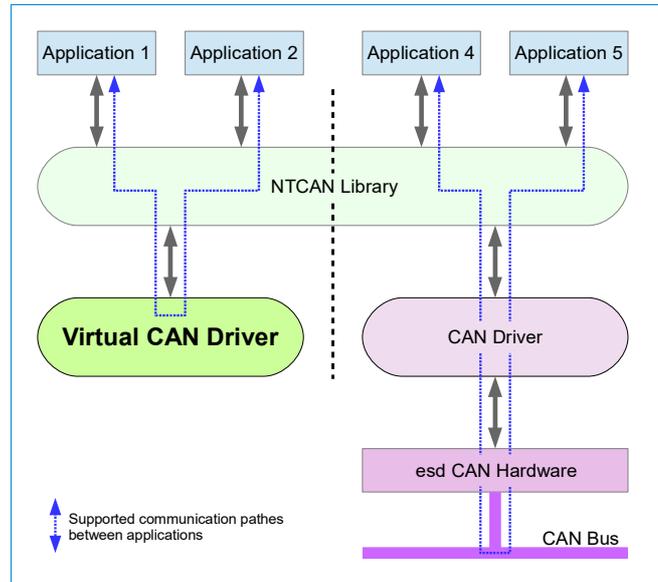
- Designed to test NTCAN-API based CAN applications
- Runs your CAN application program without the need of a working CAN interface and a physical CAN bus (ideally suited for demo applications).
- Supports all NTCAN API calls

Operating System independent and free of Charge

- Works independently from operating system type, i.e. each operating system supported by NTCAN API is supported: Windows, Linux, RTX, VxWorks, QNX, ...
- Simulates esd based CAN hardware interfaces
- Distributed for Windows with CAN SDK (download of CAN SDK is available from www.esd.eu)
- Free of charge

Evaluate Future Features

- Evaluate features of NTCAN API that are not yet supported by the current esd CAN hardware



Simulation of CAN Application Programs

The virtual CAN driver is a pure software based solution which emulates a physical CAN hardware and is capable to behave nearly identically with a few limitations (see below). With this device driver installed you can immediately start developing and testing applications based on the esd NTCAN API and can move smoothly to a physical esd CAN hardware later on.

Technical Specifications:

Features:

All NTCAN API calls are supported.
 For all operating systems that are supported by NTCAN API.
 All esd CAN tools (CANreal, CANscript, CANplot, CANrepro, COBview) are supported.
 Features that are not yet supported by the existing hardware interface, like e.g. CAN-FD can be evaluated.

Limitations:

The returned response time does not represent the real timing. Independent from the baud rate the simulated CAN driver interface is always faster than a real CAN interface.
 Bus load measurement does not show real values.
 Real arbitration is not possible and bus error conditions will not occur.
 Autobaud and error injection (as provided by esdACC) are not supported.

Note:
 For physical CAN communication the NTCAN library based application requires an esd CAN hardware device connected to a running CAN bus.

Order Information:

Virtual CAN Driver - for Windows	included in CAN SDK (free download from CAN SDK Web page at www.esd.eu)
Virtual CAN Driver - for Linux	free download from Virtual CAN Driver Web page at www.esd.eu
Virtual CAN Driver - for all other operating systems	please contact our support team (support@esd.eu)