



CANopen Tiny Manager for LabVIEW

CANopen® Manager with CANopen Basic Functions for LabVIEW™ - CAN Applications

Supports the Essential CANopen Functions

- Heartbeat und Guarding
- Network Management (NMT)
- Service and Process Data Object transfers
- Read and write data objects

Full Interoperability of LabView and esd CAN Interfaces

- Use the CANopen Tiny Manager for LabVIEW out-of-the-box with our standard CAN interfaces
- Works with all esd CAN Interfaces with NTCAN-API Support

User-friendly and free Solution

- Easy integration of CANopen Monitoring in LabVIEW
- Free-of-charge use with our CAN SDK software bundle

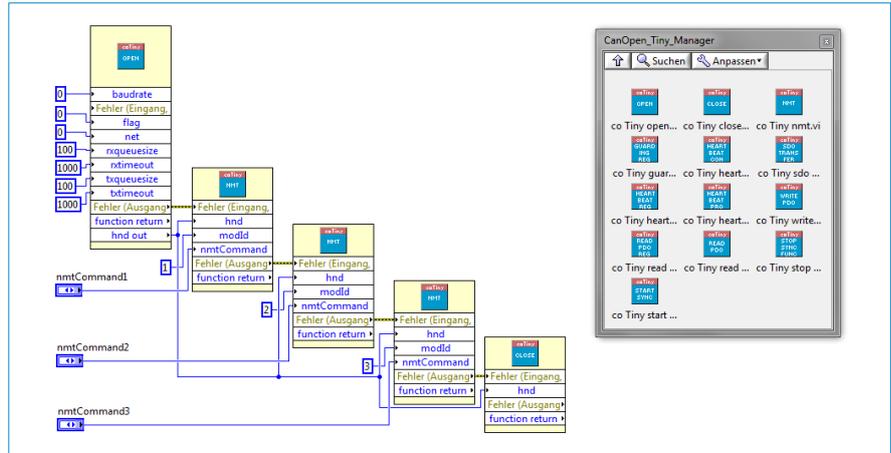
Overview

The CANopen Tiny Manager for LabVIEW is a library, that facilitates the use of CANopen basic functions in LabVIEW.

In addition, a new VI Set is designed to make it easy to use the Tiny Manager library functions in LabVIEW.

Network Management (NMT)

The CANopen Tiny Manager for LabVIEW includes functions to support network management.



Heartbeat and Guarding

The Heartbeat and Guarding mechanisms are available to monitor for CANopen device failure. If the Heartbeat function is enabled, the nodes transmit their status on their own. Whereas the nodes are cyclically queried for their status by data request telegram (remote frame) if the Guarding function is used.

Synchronization Object

As a SYNC producer the CANopen Tiny Manager for LabVIEW can send the synchronization object (SYNC) periodically to all network nodes.

Service Data Objects and Process Data Objects (SDO & PDO)

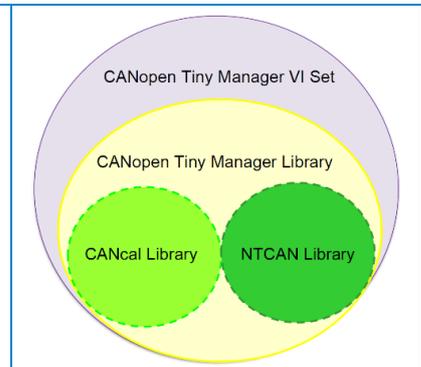
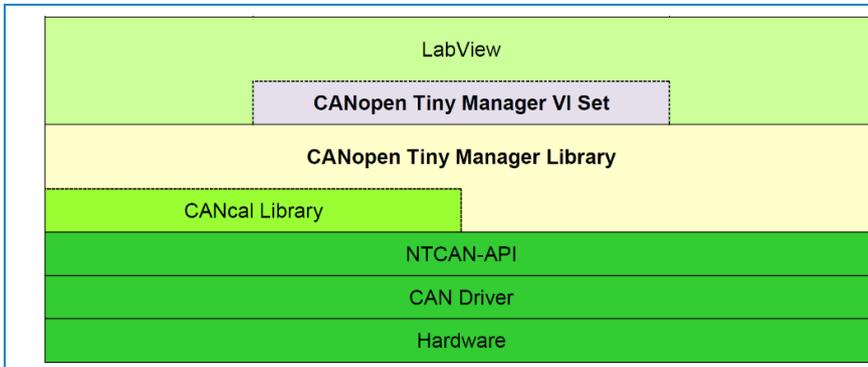
Transmission and reception of data in expedited, segment and block mode are possible. Functions for transmitting process data are provided.

Virtual Instruments (VI) for LabVIEW

The functions of the CANopen Tiny Manager Library are available in LabVIEW as a set of "Virtual Instruments" (VI).

Related Products

This product is compatible with all esd CAN interfaces, supported by Windows®.



Technical Specifications:

Minimum Hardware Requirements:

Host PC Host PC which complies with the hardware requirements for the NI LabVIEW version 2013 or higher

HD Drive Minimum 25 MB free HD drive space

CAN Interface Standard esd products with CAN interfaces supported by Windows

Minimum Software Requirements

Operating System Windows with installed NI LabVIEW version 2013 or higher

Driver esd CAN driver for Windows (version 2.5.x or later)

Order Information:

CANopen Tiny Manager for LabVIEW CANopen basic functions for NI LabVIEW C. 1101.09

Available for
NI LabVIEW 2013 for
Windows 7/8/10 (32-/64-bit)
operating systems