

CANdbLib

Programming Interface for Access to CAN Databases

CANdb++ is a data management system used to define and manage communication relationships in distributed electronic control unit (ECU) networks. For almost all motor vehicle producers their communication matrices are available in DBC format.

Features and Advantages

Vector is offering the CANdbLib access library so that providers of test systems can also realize the advantages of CAN databases. CANdbLib is a developer license packet consisting of the CANdb Editor, CANdbLib Class Library (DLL), and five run-time licenses. Licensing packages with additional run-time licenses can be obtained upon request.

Functions

You can set up your own databases very quickly using the Windows dialogs of the CANdb Editor. The library provides functions as C++ Classes, which might for example deliver signals converted to physical values.

Application Areas

CANdbLib allows measurement signals to be interpreted according to the description existing in the DBC file. This is helpful when creating converters, e.g. generating a DBC file from data that exist in another format – perhaps a company-specific format.

Defining Information

All of the information relevant to a project is defined in CANdb++. For example, define precisely their bit position, bit count, physical units, and linear conversion formula. Also, one can describe the CAN messages, the signals transmitted in them.

Integral Component

CANdb++ is an integral component of most of the Vector CAN tools. CANdb++ makes it possible to decode signals from CAN messages, convert them to physical measurement values, and display them in a user-friendly manner.

Product Components

- > CANdb Editor for Windows 9x/NT4.0/2000/XP
- > Windows 9x/NT4.0/2000/XP C++ Class Library for Microsoft Visual C++ 6.0
- > Windows 9x/NT4.0/2000/XP C++ Class Library for Microsoft Visual C++ 7.0
- > 5 run-time licenses

