

## Kvaser CANlib SDK

```

#include <stdio.h>
#include <canlib.h>

int main(int argc, char* argv[])
{
    char buf[100];
    canHandle handle;
    canStatus stat;

    canInitializeLibrary();

    handle = canOpenChannel(0, canWANT_EXCLUSIVE);
    if (handle < 0) {
        buf[0] = '\0';
        canGetErrorText(stat, buf, sizeof(buf));
        printf("Failed, returned error=%d (%s)\n", (int)handle, buf);
        exit(1);
    }

    stat = canSetBusParams(handle, BAUD_125K, 0, 0, 0, 0);
    if (stat < 0) {
        printf("canBusParams failed, status=%d\n", stat);
        exit(1);
    }

    stat = canBusOn(handle);
    if (stat < 0) {
        printf("canBusOn failed, status=%d\n", stat);
        exit(1);
    }
}

```

### Compatible Kvaser Products

- Kvaser BlackBird Family
- Kvaser LAPcan Family
- Kvaser Leaf Family
- Kvaser Linx Family
- Kvaser Memorator Family
- Kvaser PC104+ Family
- Kvaser PCI104 Family
- Kvaser PClcan Family
- Kvaser PClcanx Family
- Kvaser PCIEcan Family
- Kvaser USBcan Family

### Supported OS

- Windows Vista/Server 2003™
- Windows XP/2000™
- Windows CE™
- Linux

### Product Versions

- Kvaser CANlib SDK

### The CANlib Software Development Kit (SDK) is your transparent API for interfacing to all Kvaser products.

Kvaser CANlib SDK supports present and future Kvaser products. Any software application written with the Kvaser CANlib SDK can be used with any other Kvaser hardware interface without modifications to the software - no recompiling or editing of the code required.

### Virtual CAN hardware

Virtual hardware is perfect for development work when real hardware is unavailable. Download Kvaser CANlib SDK and start development. When your hardware arrives and you install it, your software can run on the Kvaser hardware instead. This saves time and increases efficiency during project development and testing.

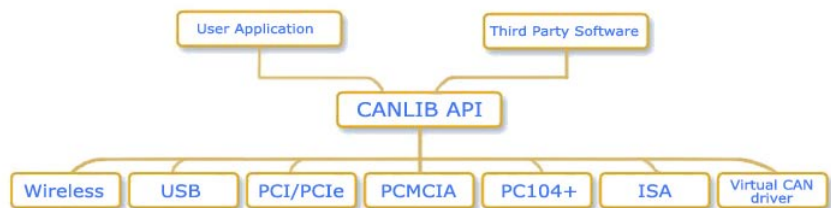
## Supported Compilers

- Microsoft Visual C/C++
- Borland C++ Builder (and the old Borland C++ compiler as well) - also supports the C language
- gcc, MinGW
- Borland Delphi (all versions)
- Microsoft Visual Basic and VB.NET
- Microsoft C#
- Also various examples for managed C++ code, Python, etc.

## General Features

- Example programs
- Getting Started and Reference documentation
- Supports virtual CAN channels for test or demo purposes (no hardware required)
- Support libraries for SAE J2534, RP1210A, RP1210B
- Support libraries for LIN and J1708/J1587
- Support libraries for porting legacy code from a selection of other vendor's APIs
- Debug your own CAN applications using CANKing (free of charge bus monitor, separate download)
- Kvaser CANlib SDK is supported by Kvaser Technical Associates who offer state-of-the-art CAN solutions for Kvaser hardware interfaces, e.g. CAN bus analysis tools, calibration tools and other applications.

## Structure of Kvaser CANlib SDK



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