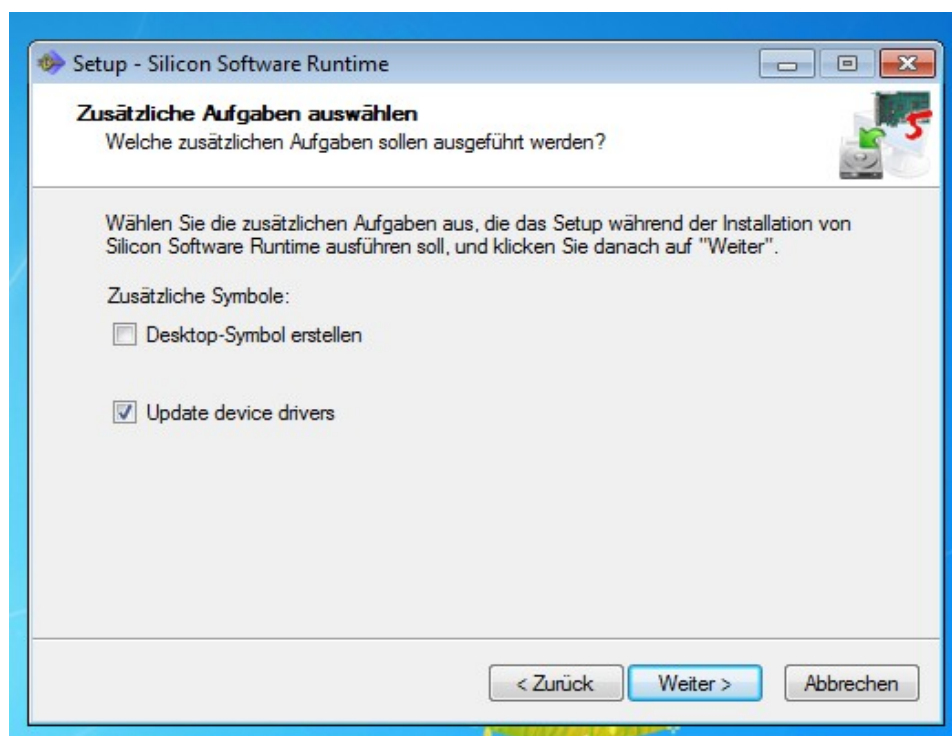
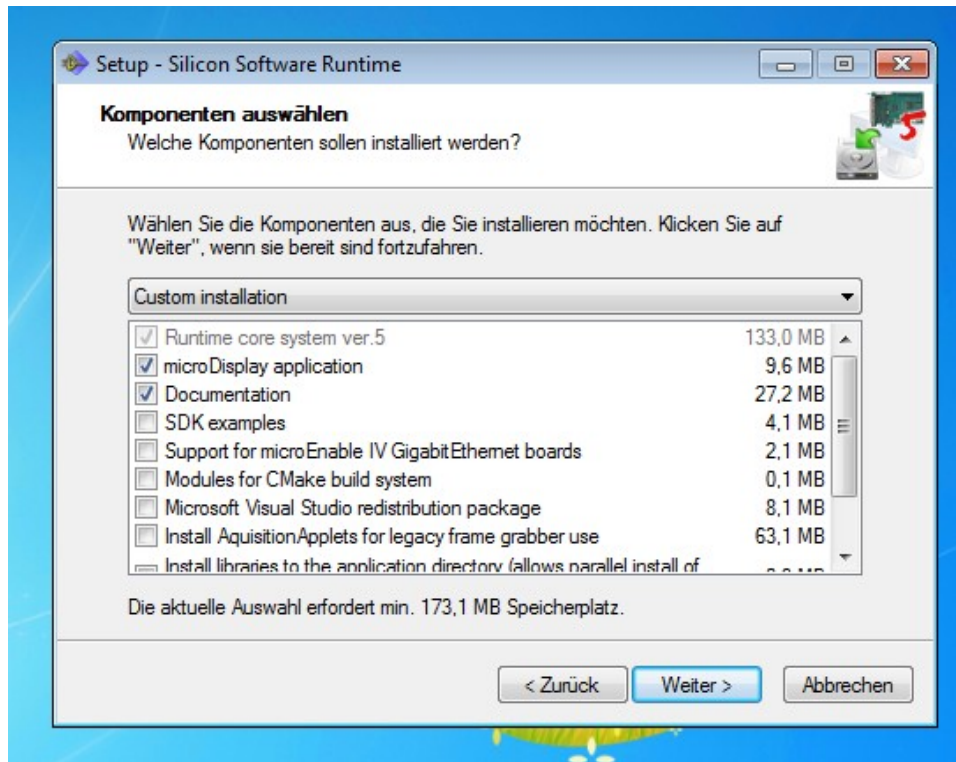


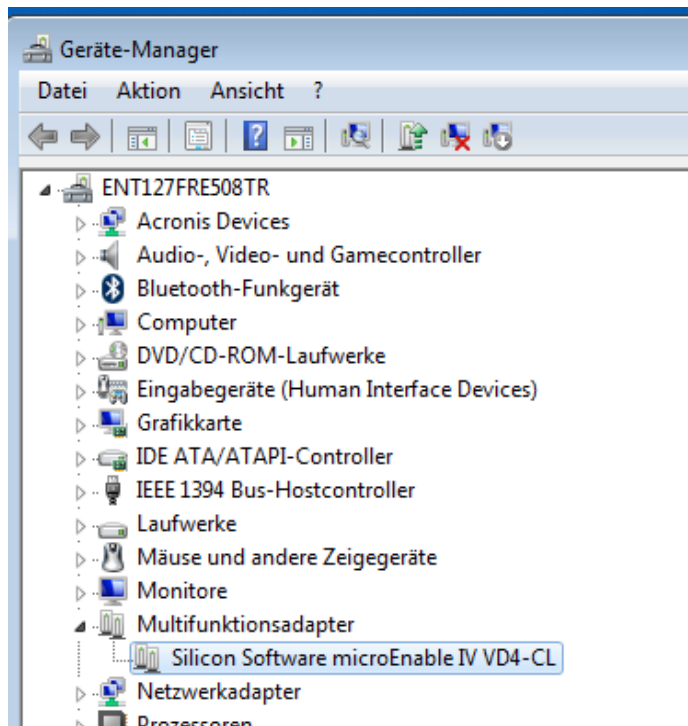
Short test and install instruction for Silicon Software Me4 Board.

Please install the latest silicon software runtime package 5.1.4 before installing the hardware.

Please select the following options during the installation:

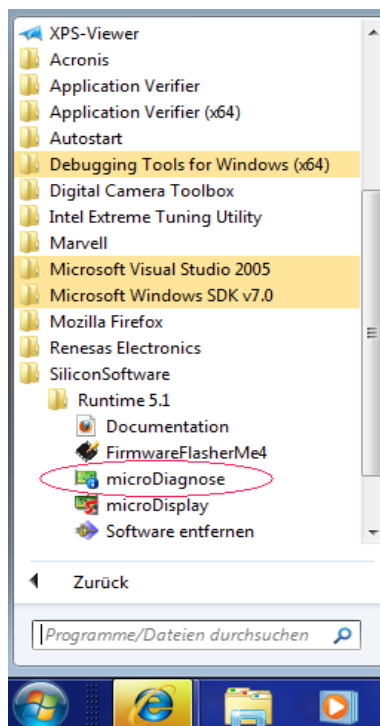


The grabber card should be displayed this way within the device manager:

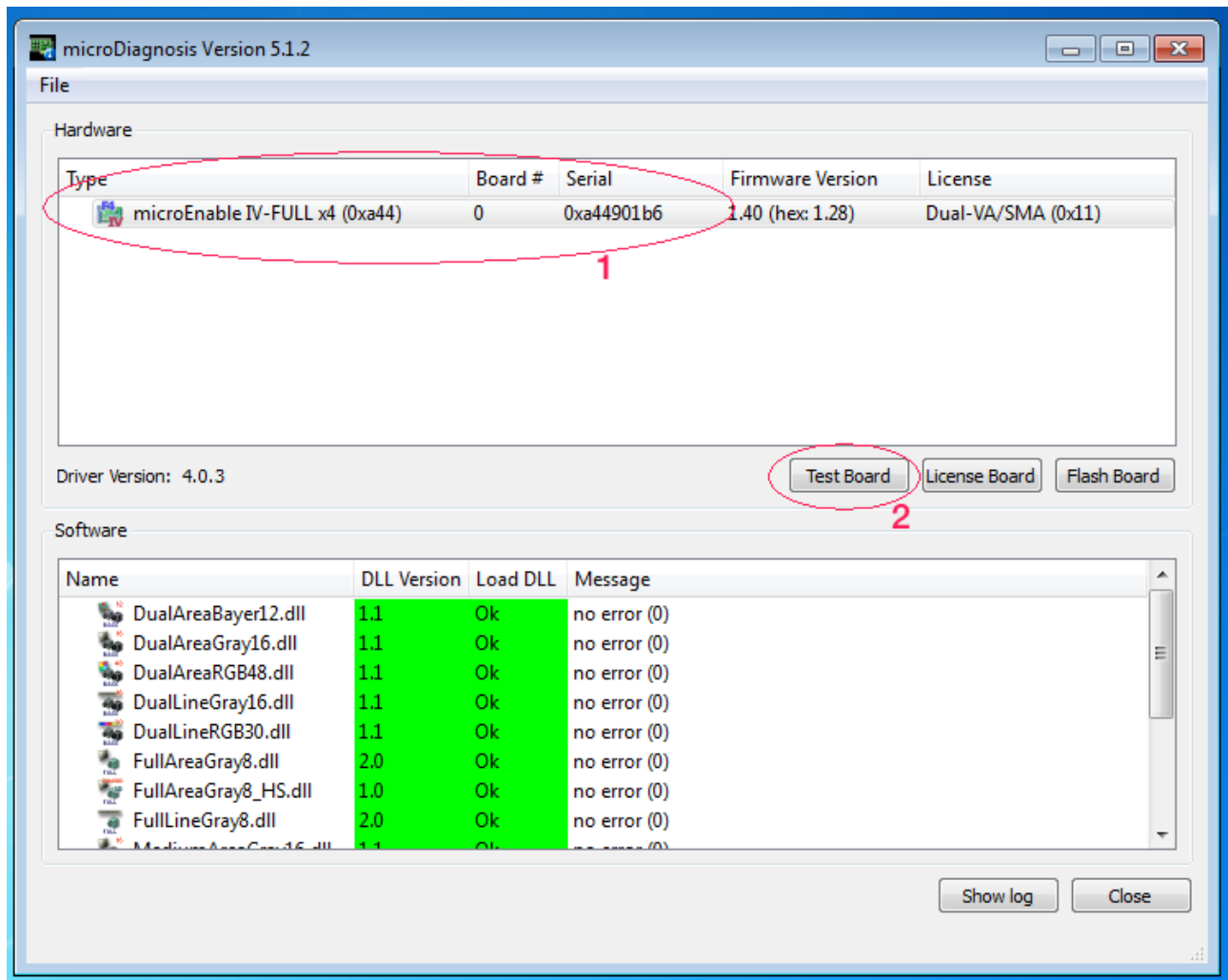


If the device is not shown this way, please reinstall the silicon software device driver. The driver is located in the following directory: C:\Programme\Silicon Software\Runtime5.1\drivers\me4.

After the installation, please start the program microDiagnose:



The following dialog is shown:



Please verify the firmware version, which must be 1.40 (1.28 in hex).

To test the board select the board in 'hardware' (1) and click 'Test Board' (2) afterwards.

If the firmware is not 1.40 (1.28 in hex), please upgrade to the latest firmware. Select 'Flash Board', then select the grabber in the dialog and open the appropriate hap file, e.g. firmware_me4Fullx4_a44-01-28.hap. Afterwards click on 'FLASH'. You must power cycle your computer after the upgrade.

It is mandatory that 'PCIe Highspeed Capable' (4) is enabled. Otherwise the board is probably not able to transfer the necessary data rate.



After the initialization start the test by clicking 'Run' (3). The transfer rates as shown in (5) should be displayed.

If you have got a board, which is not member of the following list and the above test did run with success (Highspeed capable!), please report it to pco and/or Silicon software.

Supermicro X8ST3, GigaByte GA-X58A-UD3R, Intel S5520, Intel DX58SO2, Supermicro X8DTH-iF

Siso-Runtime mixing 32/64bit installation on 64bit system

Starting with 5.1.2 it is enabled to use the WoW64 mode, siso told us. Thus it is possible run 32bit applications on a 64bit system with access to me4 boards. To do so the 32bit runtime has to be installed on a 64bit system. It contains the necessary 64bit drivers.

Unfortunately it is not possible to use 64bit applications then. To overcome this issue the user can install the 64bit runtime, which breaks the functionality of the 32bit runtime. However there is still a workaround to run both 32bit and 64bit applications on a 64bit system. Here's a todo list:

1. Install 32bit runtime (plain system!!!)
2. Move the files found in C:\Cameralink\Serial and copy the dll clserme4.dll (and other ones, e.g. clserme3.dll) to a directory called C:\Cameralink\Serial32. The files must be moved, otherwise the following installation will not place the corresponding runtime dll clserme4.dll (64bit version) to the serial directory.
3. Install the 64bit runtime
4. Open the registry editor and edit the following key:

HKLM\Software\Wow6432Node\cameralink\CLSERIALPATH and change the value 'serial' to 'serial32'

This will enable the 32bit application to get access to the serial port library.

5. To run a 32bit application you'll have to create a batch file, e.g. startcw.bat, inside the application folder with the following content:

```
set SISODIR5=c:\program files (x86)\SiliconSoftware\Runtime5.1  
camware
```

This will enable the 32bit application to get access to the 32bit siso runtime package.

To place your application replace the name camware to your application name. The 64bit version runs 'unchanged' since it has been installed after the 32bit runtime.

In case the 64bit version is already installed, you'll have to repeat the steps for the 64bit version (move to serial64, change the reg key HKLM\Software\Cameralink (att.: without Wow3264Node!), create batch file with set SISODIR5=c:\program files\SiliconSoftware\Runtime5.1, install 32bit version).

ATTENTION: The Siso setup offers optional software packages which can be selected/deselected. In case the user runs the default setup as offered by Siso a GigE driver package will be installed. This breaks the following second installation (32 if 64bit is already installed, 64 if 32bit is already installed).

Please select only the following software options:

- Command line tools
- GUI Tools
- Microsoft Visual Studio redistribution package

- Acquisition Applets

Deselect the following software option:

- Support for microEnable IV Gigabit Ethernet boards

This scenario has been tested on a 64bit machine with 5.1.3.

FRE / 13.02.12 / pco ag