

Quick Start for TCIC (July '08)

Your TCIC package includes the following folders:

1. **TCIC User's Manual**

User Manual of the TCIC.

2. **Drivers**

The drivers through which an application may communicate with the board. There are **two** sets of drivers; however, **they can't be both active in the same time**. That is, once a driver has been installed, it should be uninstalled in case the other driver is going to be installed.

(Quoted from FTDI ® documentation:)

FTDI's 1st and 2nd generation of USB UART and USB FIFO chips can be installed with one of two sets of drivers .

The first driver type is the D2XX direct driver. This provides direct access to the device via a dynamic link library (DLL) supplied with the driver. Applications can then be written which use the functions available in the DLL to directly control the device .

The second driver type is the virtual COM port (VCP) driver. The VCP drivers emulate a standard PC COM port. These can be communicated with in the same manner as any other COM port on the PC .

- 2.1 **FTDI – D2XX Direct DLL Driver**

(Version 3.01.04)

- 2.2 **FTDI – VCP (Virtual COM Port) Driver**

(Revision 905.2154)

3. **TCIC-Monitor V_{x.xx}**

Initial setup & Smart data logger package.

4. Examples

4.1 VB-Net Example for both drivers

Sample program in VB-Net, communicating with the board either through the **direct** driver or through the **VCP** driver (source included). The existing driver (direct or VCP) is detected automatically.

4.2 LabVIEW Example for the VCP driver

Sample program in LabVIEW 6.1, communicating with the board through the **VCP** driver (source included).

5. **Microsoft ® Net Framework** (included only in the CD-ROM package)
'Dotnet Framework' V1.1.4322 for the case it does not exist on your PC, saving you downloading this 23MB file from the WEB.

Follow these steps:

1. Connect the TCIC board to a USB port on your PC.
2. Direct the 'Found New Hardware Wizard' to folder #2.1 or #2.2 (it might be that some steps will have to run twice).
3. Install the TCIC-Monitor using folder #3.
4. Try to run the TCIC-Monitor. In case it says that you don't have the 'dotnet framework', install it either using folder #5 on your CD-ROM, or by download from <http://www.microsoft.com/downloads/details.aspx?FamilyID=262d25e3-f589-4842-8157-034d1e7cf3a3&displaylang=en>
5. If you have the '.NET' ('DOT net') and/or LabVIEW, you may use the sources supplied in folder #4 and code your own application.
6. For detailed description refer to the User Manual in folder #1.