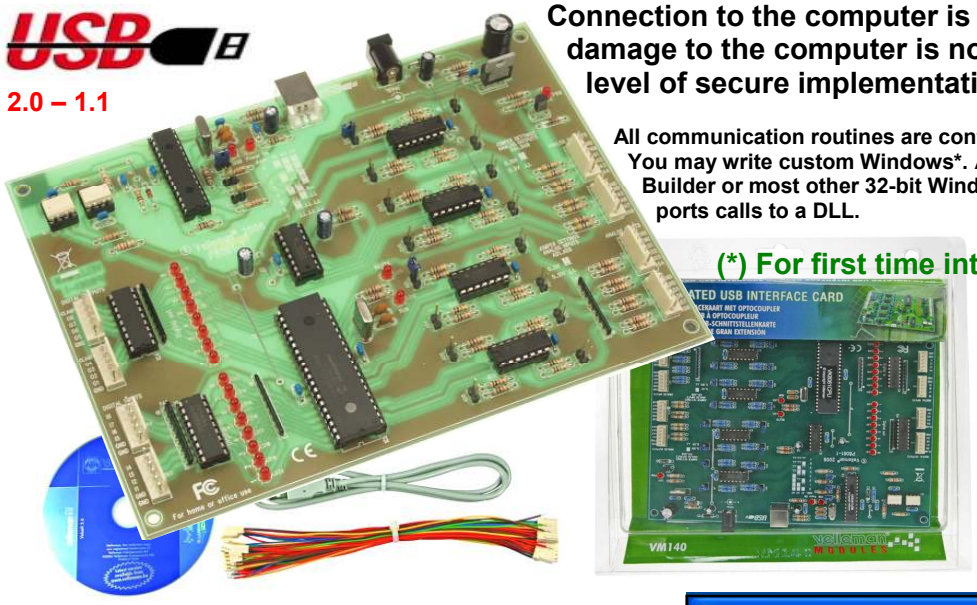
EXTENDED USB INTERFACE BOARD VM140

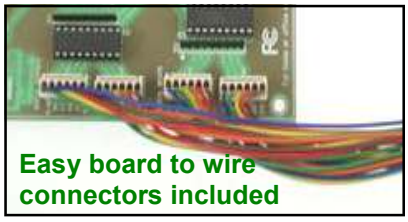
Advanced and safe interfacing possibility using this card. Connection to the computer is galvanically isolated, so that damage to the computer is not possible thus providing a high level of secure implementation.

USB 2.0 – 1.1



All communication routines are contained in a Dynamic Link Library (DLL). You may write custom Windows*. Applications in Delphi, Visual Basic, C++ Builder or most other 32-bit Windows application development tool that supports calls to a DLL.

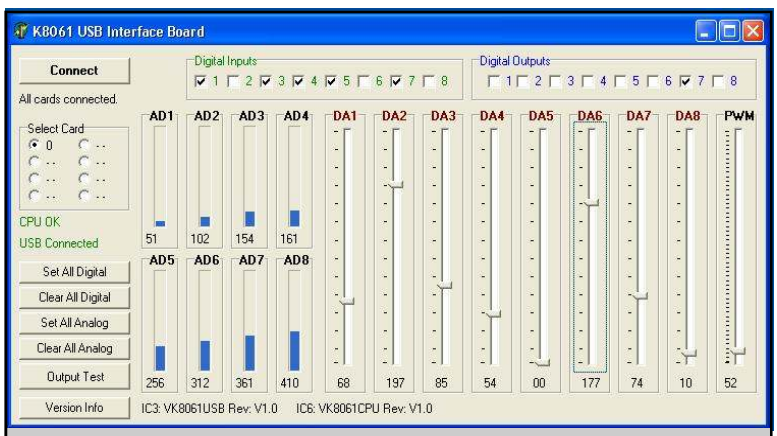
(*) For first time interfacing and tutoring, check also our VM110 USB experimentation interface board



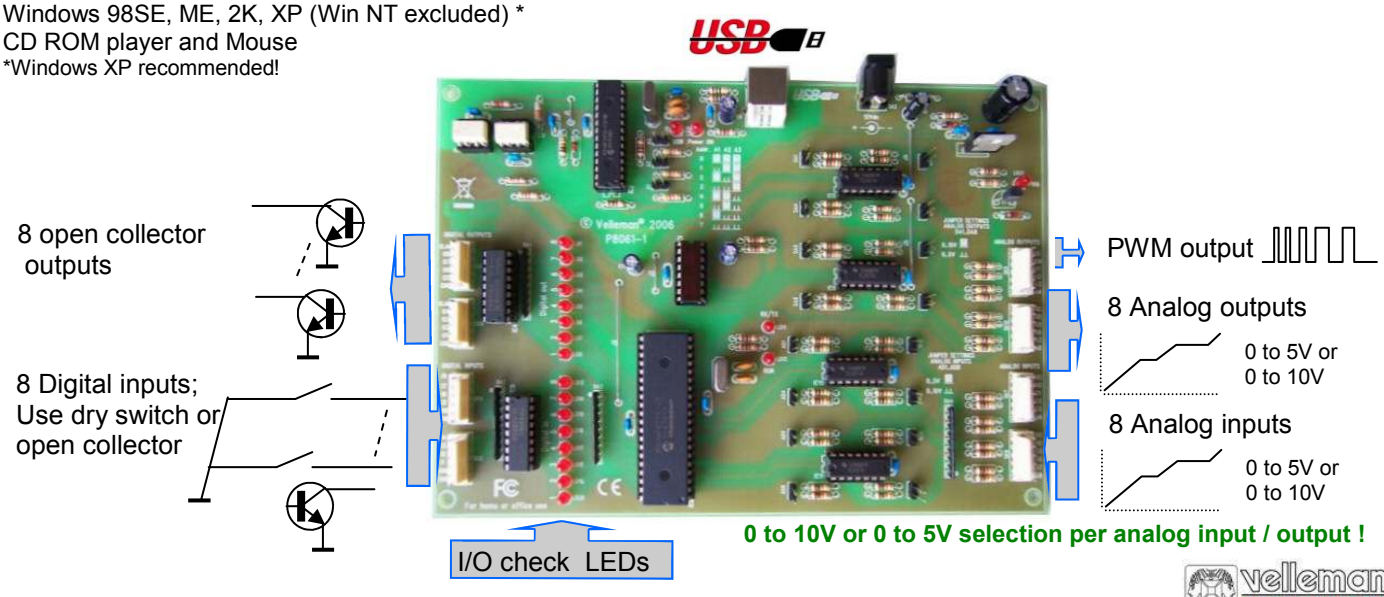
Specifications

- 8 analogue 10 bit resolution inputs: 0…5 or 10VDC / 20kohm
- 8 analogue 8 bit resolution outputs: 0…5V or 10VDC / *47ohm*
- 8 digital inputs: Open collector compatible (connection to GND=0) with on board LED indication.
- 8 digital open collector outputs (max. 50V/100mA) with on board LED indication.
- One 10 bit PWM output: 0 to 100% open collector output (max 100mA / 40V) with on board LED indication.
- General response time: 4ms per command.
- USB Port: 2.0 and 1.1 compatible. USB cable included
- Board to wire connectors (20cm wire)
- Power consumption through USB port: approx. 60mA
- Power supply through adaptor: 12Vdc / 300 mA (PS1205).
- PCB Dimensions: 195 x 142 x 20mm (2.7 " x 5.6" x 0.8")

Minimum system:
Pentium class CPU with free USB port (1.1 or higher)
Windows 98SE, ME, 2K, XP (Win NT excluded) *
CD ROM player and Mouse
*Windows XP recommended!



DIAGNOSTIC / TEST SOFTWARE
Features:
- Separate output / input test
- Clear all / set all function
- Analog and PWM output set sliders
- Analog input bar-graph indication
- Card selection address



0 to 10V or 0 to 5V selection per analog input / output !

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