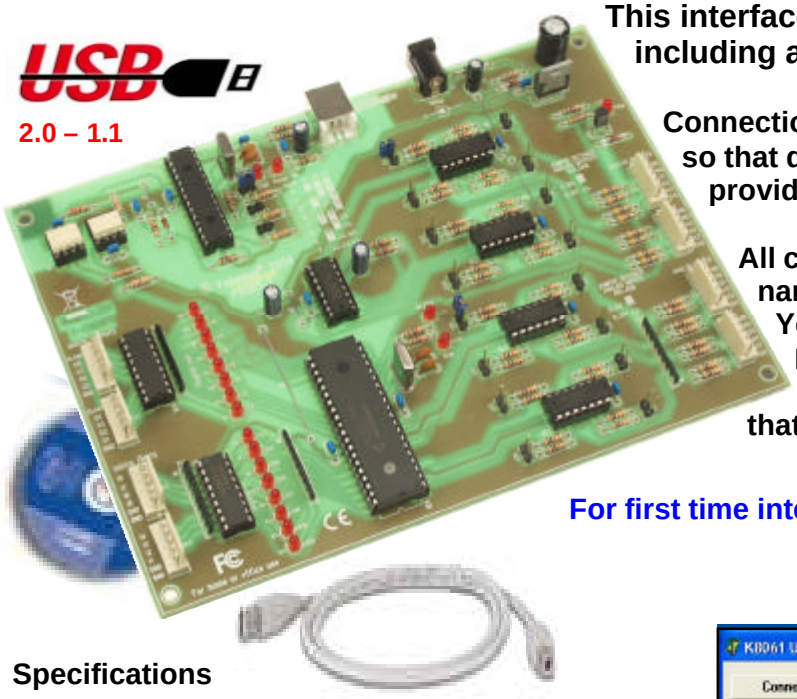
EXTENDED USB INTERFACE BOARD

USB 2.0 – 1.1



This interface board has a total of 33 input/outputs: including analog / digital and + 1PWM output.

Connection to the computer is galvanic-optical isolated, so that damage to the computer is not possible thus providing a high level of secure implementation.

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.

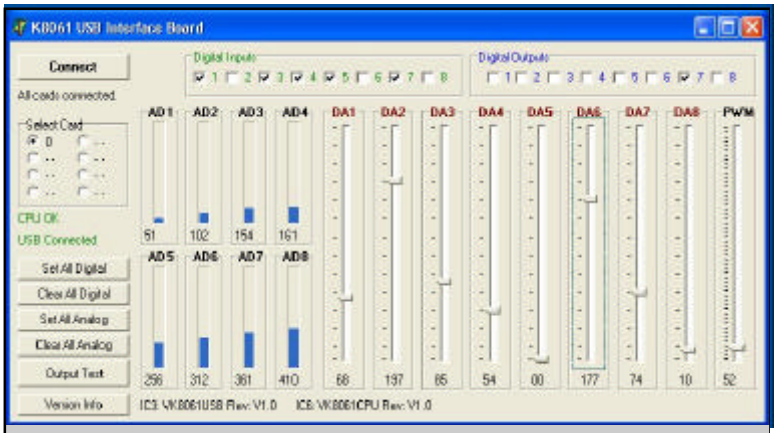
For first time interfacing and tutoring, check also our K8055 USB experimentation interface board

* WinXp recommended for optimum compatibility

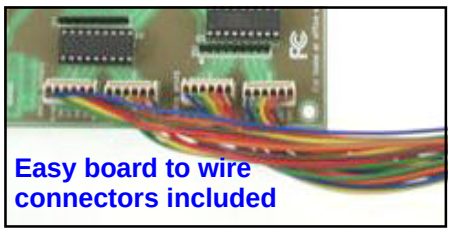
Specifications

- 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")

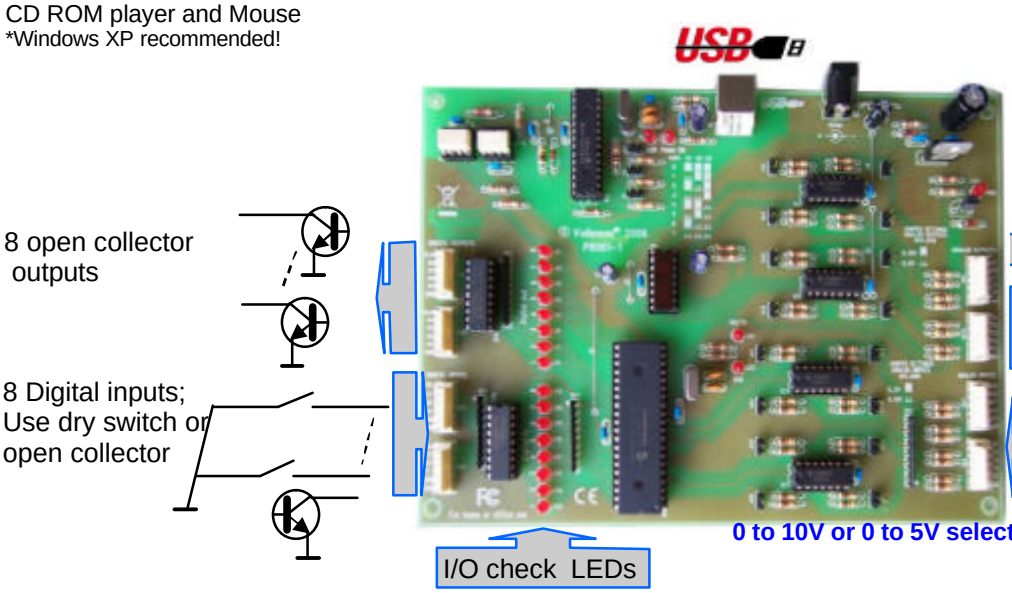
Minimum system:
Pentium class CPU with free USB port (1.1 or higher)
Windows 98SE or higher (Win NT excluded) *
CD ROM player and Mouse
*Windows XP recommended!



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



Easy board to wire connectors included



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

velleman-kit HIGH-Q