



## EXTENDED USB INTERFACE BOARD

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.

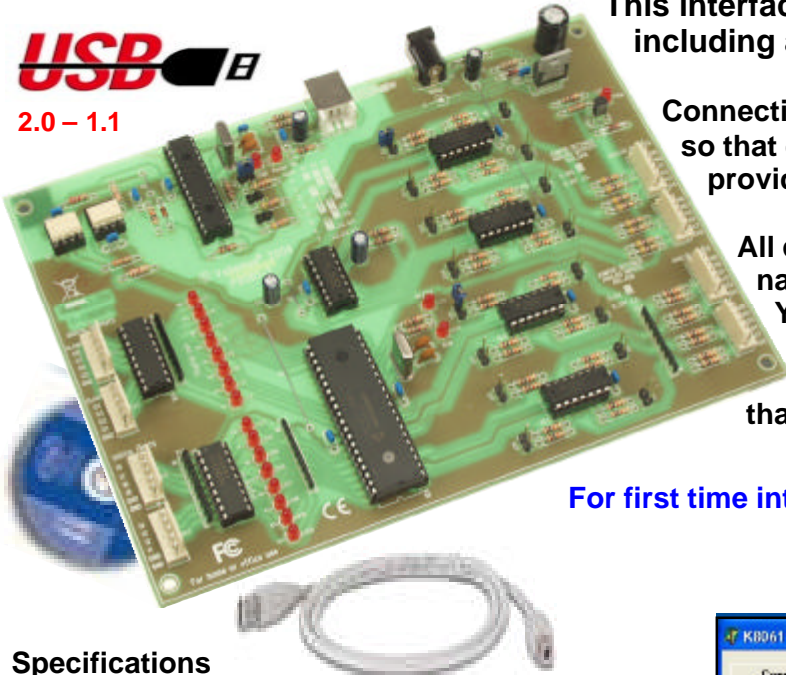
All communication routines are contained in a Dynamic Link Library (DLL).

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

**USB**  
2.0 - 1.1

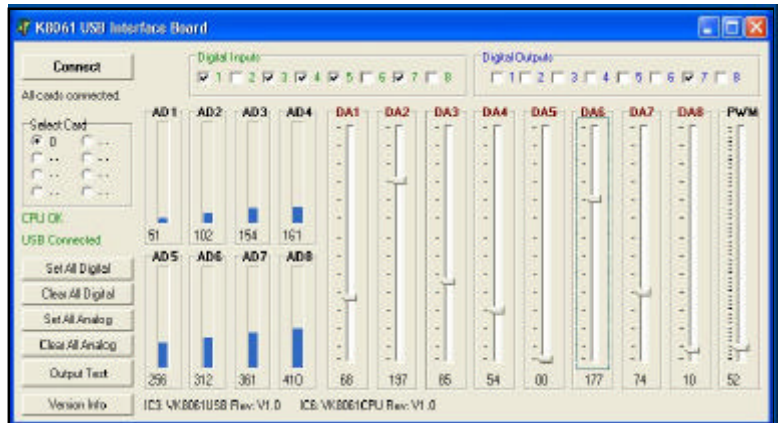


### Specifications

- 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:

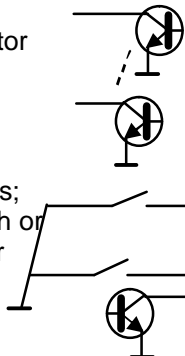
- Separate output / input test
- Clear all / set all function
- Analog and PWM output set sliders
- Analog input bar-graph indication
- Card selection address



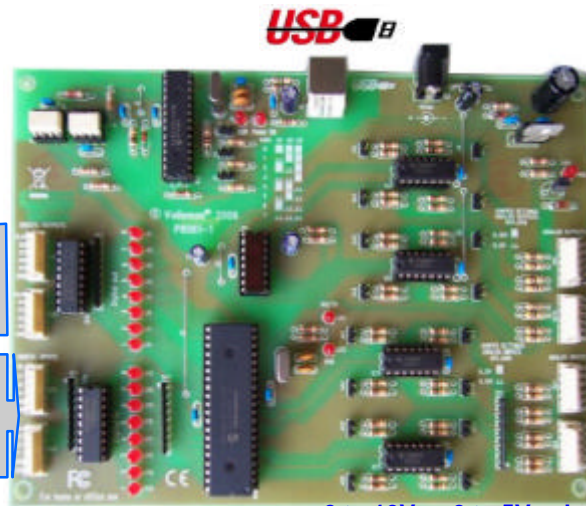
Easy board to wire connectors included

8 open collector outputs

8 Digital inputs; Use dry switch or open collector



I/O check LEDs



PWM output

8 Analog outputs  
0 to 5V or 0 to 10V

8 Analog inputs  
0 to 5V or 0 to 10V

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