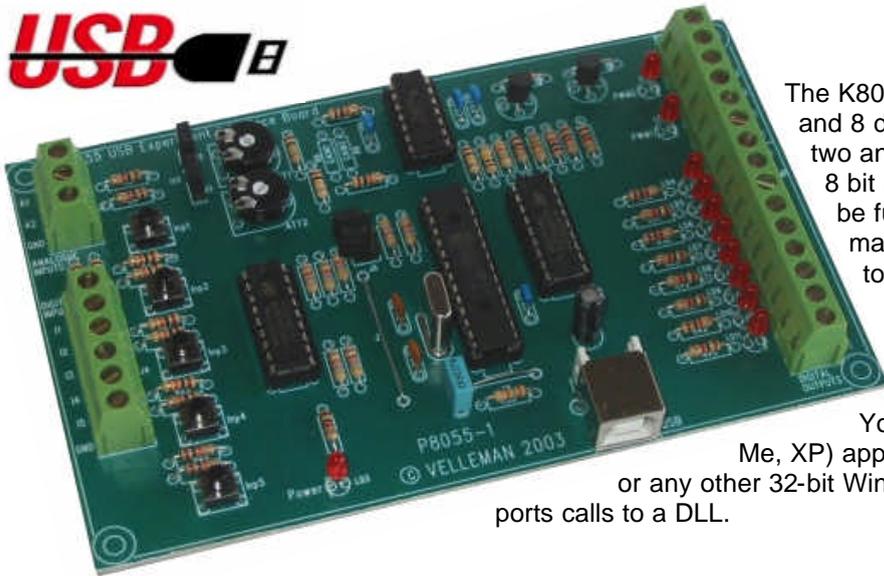


K8055 USB Experiment Interface Board

USB 



The K8055 interface board has 5 digital input channels and 8 digital output channels. In addition, there are two analogue inputs and two analogue outputs with 8 bit resolution. The number of inputs/outputs can be further expanded by connecting more (up to a maximum of four) cards to the PC's USB connectors.

All communication routines are contained in a Dynamic Link Library (DLL) K8055D.DLL.

You may write custom Windows (98SE, 2000, Me, XP) applications in Delphi, Visual Basic, C++ Builder or any other 32-bit Windows application development tool that supports calls to a DLL.

Specifications:

- 5 Digital inputs (0= ground, 1= open). On board test buttons provided.
- 2 Analog inputs with attenuation and amplification option. Internal test +5V provided.
- 8 Digital open collector output switches (max 50V/100mA). On board LED indication.
- 2 Analog outputs 0 to 5V, output resistance 1K5.
or:
PWM 0 to 100% open collector outputs
max 100mA / 40V. On board LED indication.
- General conversion time: 20mS per command
- Power supply through USB aprx. 70mA.
- Diagnostic software and communication DLL included

Minimum system:

- Pentium class CPU
- USB1.0 or higher connection
- Windows 98SE or higher (Win NT excluded)
- CD ROM player and Mouse

K8055 Demo

Card Address: SK5 SK6

Connect

Card 3 connected

Set All Digital
Clear All Digital
Set All Analog
Clear All Analog
Output Test

Inputs: 1 2 3 4 5

Outputs: 1 2 3 4 5 6 7 8

Counter1: Reset

Counter2: Reset

Debounce Time: 0ms 2ms 10ms 1000ms

DA1: 182 DA2: 47 AD1: 230 AD2: 137

DIAGNOSTIC / TEST SOFTWARE

Features:

- Separate output / input test
- Clear all / set all function
- Counter function on inputs 1 and 2 with adjustable debounce (max 2KHz depends on total I/O load)
- Analog output set sliders
- Analog input bar-graph indication

