PPI8255.VBX
version 1.0

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by
Douglas A. Bebber

How to Register

You can register the PPI8255.VBX by sending a check or money order for $15.00 to:

Douglas A. Bebber
2420 Briar Oak Circle
Sarasota, Florida 34232
(813) 378-3760

You can also register this custom control online via CompuServe's SWREG. Type "GO SWREG" and search for title PPI8255.

When you register this custom control you will receive a release copy of the control (no Nag-Ware screens) and a Programmer's Guide.

Product Description

The PPI8255.VBX provides the Visual Basic developer with an easy-to-use Custom Control (VBX) interface to Intel's 8255 Programmable Peripheral Interface (PPI) integrated circuit. Using this VBX programmer's can directly manipulate up to 24 digital input/output lines on any available 8255 PPI chip.

Simply assign the I/O base address of the 8255 (located on any PC adapter card) to the VBX's **BaseAddress** property. You now have complete control of the 8255 PPI chip and any devices it may be connected to.

This custom control was developed to provide Visual Basic programmers with an easy-to-use VBX interface to the DBTDIO24 Programmable Digital I/O adapter card (available from DB Technologies for $75). However, this VBX can be used to control an 8255 PPI on any PC adapter given the I/O base address.

Warning

As stated above, this VBX gives complete control to an 8255 PPI and any connected devices. You should use caution when using this control. You have the ability to directly drive connected devices. You should make sure that you understand what you are doing when you use the PPI8255.VBX.

The author assumes no responsibility for how this VBX is used in your software products. The software is provided on an as-is basis. The author provides no warranty on this **Working Model**.

Hints

You should set the I/O mode for each port before setting the **Mode** property setting (this is not required but when setting the **Mode** the **PortA**, **PortB**, **PortCLower**, and **PortCUpper** properties are referenced and applied).

The **BaseAddress** property default setting is 768 (300 hexadecimal). This property expects a decimal value for the 8255 PPI base address. If you place a PPI8255 entry in the WIN.INI file that value will be used as the default (again specify in decimal).

example:

[PPI8255]
base address=768

For technical information on the 8255 PPI please contact the Intel Corporation.

For more detailed information concerning the use of this VBX please see the Programmer's Guide.