

PC GPIB PRODUCTS

488-USB

USB-to-GPIB CONTROLLER MODULE for PCs

DESCRIPTION

ICS's 488-USB is a small USB-to-GPIB Controller Module that converts any PC with a USB interface into a full-function, IEEE 488.2 Bus Controller. The 488-USB performs all of the basic IEEE 488.1 functions such as talker, listener and system controller. Its IEEE-488.2 controller routines make it fully compliant with the IEEE 488.2 specification. The 488-USB module is a Plug & Play USB peripheral that is fully compatible with Windows 98, ME, 2000 and XP operating systems.

Hardware

ICS's 488-USB Controller is a small module that plugs onto any open GPIB connector. The open GPIB connector can be the open end of a cable stack, on the back of an instrument or an unused connector on ICS's GPIB BusStrip™. Finger size jackscrews secure and hold the 488-USB module in any position. Three LEDs provide visual status and diagnostic help for troubleshooting system problems.

Software

The 488-USB includes ICS's 488.2 Driver which supports Windows 98, ME, 2000 and XP operating systems. The 488.2 Driver includes National Instruments' style 488.1 'ib' and 488.2 command sets plus ICS's 488-PC2 Command Set. Release 1.6 provides support to run Visual Basic and C language programs and for LabView. The upcoming Release 2 will complete the VISA support and also support Agilent's VEE programs. Example programs are provided for C/C++ and Visual Basic. Use ICS's 488-PC2 Command Set to adapt an existing 488-PC2 programs to newer PCs with USB interfaces.



Keyboard Controller Program

The 488-USB includes a new version of ICS's Keyboard Controller program for Windows which provides interactive control of GPIB devices from the computer keyboard without having to write a program. The Keyboard Controller program is the ideal utility program for testing the 488-USB Controller, for exercising GPIB devices or for trying out device commands before using them in a program.

Ease of Installation

ICS's 488-USB Module is very easy to install. First run the software installation program to load the driver. Next use the included USB cable to plug the Module into a open USB port. The Windows operating system will automatically detect the 488-USB module and make it available to your program.

Never obsolete

ICS's 488-USB has a soft boot feature which downloads the controller firmware over the USB bus. When a future firmware change like Release 2 occurs, it can be downloaded to the PC from ICS's website. The 488-USB will be updated the next time the PC is re-booted or when the 488-USB is reconnected to the PC

- Converts any PC with a USB interface into a GPIB Bus Controller.
Lets any PC control GPIB and HP-IB Devices.
- Completely IEEE-488.2 Compatible
Runs all required command protocols.
- NI 488.2 Compatible Command Library
Runs C, Visual Basic and LabView programs with NI style command sets.
- Includes ICS's GPIB Keyboard Controller program for interactive control of GPIB devices.
Lets you try out commands and control instruments without writing a program.
- Windows Plug&Play.
Easy USB installation - No dip switches to set or resource conflicts.
- Firmware downloaded over USB bus
Upgrade as new drivers become available.



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