GPIB-USB-2

USB 2.0 IEEE-488.2 GPIB Adaptor

Features

- **True USB 2.0 High Speed (480Mb/s)**
- **Compact, full metal housing**
- **GPIB-32.DLL compatible, runs VEE, LabVIEW etc.**
- **Windows (10/64 bit, 7, Vista, XP, 2000) , Linux**

Overview

The GPIB-USB-2 is a USB GPIB adaptor supporting USB 2 (480Mb/s) in a miniature full metal housing.

It performs all the basic IEEE-488.1 functions such as talker, listener and system controller. The IEEE-488.2 compatible funcions make it fully compliant with the IEEE-488.2 specification. In controller applications, you can control typically up to 15 devices (instruments). If operated as a talker/listener (device) interface it does exchange data and state information with the current controller-in-charge of the GPIB bus. The GPIB-USB-2 lets Windows and Linux programs control GPIB devices.

Hardware

The GPIB-USB-2 operates at USB 2.0 High Speed (480Mb/s). It can be connected to any USB2.0 host or hub. The GPIB-USB-2's very compact full metal housing has the same size as a standard GPIB connector, thus eliminating the space problems of traditional GPIB-to-USB converters when used for equipment with narrow port openings. The GPIB-USB-2 will fit on even the smallest port opening.

Software

Windows The Windows software set is included with the GPIB-USB-2. It is a WDM driver and supports Windows (10, 7, Vista, XP, 2000) on all PC compatible 32 and 64-bit platforms. Libraries and header files are included for the Visual C++, Visual Basic, MINGW and Delphi development systems. An industry standard compatible GPIB-32.DLL supports nearly all applications designed for that interface, including applications developed for LabView 6+, LabWindows, Agilent VEE, TransEra HT-Basic, Agilent Intuilink, and more.

Linux The Linux software set is included with the GPIB-USB-2. It supports the Intel (x86/x86_64) platform Linux kernel versions from 2.6 onwards. Thus it is compatible with all Linux distributions based on that kernels, e.g. Ubuntu, RedHat, SuSE etc. Application development using the GNU Compiler Collection (GCC) is supported. The ig++ class library provides all interfaces required to control instruments. In addition, IEEE488.2/SCPI compatible instruments can be implemented using Linux based embedded systems.

Specifications

GPIB Capabilities

IEEE 488.1 Capabilities: AH1, SH1, T/TE5, L/LE3, SR1, RL1, PP1/PP2, DC1, DT1, C1, C2, C3, C4, C5
IEEE 488.2 Capabilities: includes the capability to read the following bus lines:EOI, ATN, SRQ, REN, IFC, NRFD, NDAC, DAV
GPIB Handshake Rate: > 1Mbytes/sec

Environmental and Physical

Size (excluding cable)**:** 60 mm W x 20 mm H x 50 mm D (2 6/16 in x 2 in x 13/16 in)
Cable length (including connectors)**:** 196 cm (~6 1/2 ft)
Weight (net, including cable)**:** 120 g
Operating ambient temperature: 0 to 50°C
Storage temperature: -20 to 80°C
Relative humidity: 5 to 95%, noncondensing

Ordering Information

GPIB-USB-2 - Adaptor (including cable), Software CDROM

On the Web

Click www.inesinc.com for more information and resources.

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