GPIB-PCI-XL

▶ **PCI IEEE-488.2 GPIB Interface**

Features

- **für 3.3V und 5.0V Steckplätze, Low-Profile PCI umrüstbar**
- **1KByte Transfer-FIFO für schnelle Datenübertragung**
- **GPIB-32.DLL kompatibel, für VEE, LabVIEW etc.**
- **Windows (10/64 bit, 7, Vista, XP, 2000) , Linux, QNX**

Overview

The GPIB-PCI-XL is a PCI GPIB controller card that converts any PC with a PCI bus slot into a GPIB controller. An optional Low-Profile PCI mounting kit makes the card convertible between PCI and Low-Profile PCI.

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-PCI-XL lets Windows and Linux programs control GPIB devices.

Hardware

The GPIB-PCI-XL card plugs into any PCI slot (5.0 and 3.3V slots are supported). A 24 pin STD IEEE488 connector is used to connect GPIB equipment using standard GPIB cables.

Software

Windows The Windows software set is included with the GPIB-PCI-XL. 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-PCI-XL. 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 bracket)**:** PCI form factor, 85 mm H x 120 mm W (3.35 in x 4.73 in)
Weight (net)**:** 75 g
Operating ambient temperature: 0 to 50°C
Storage temperature: -20 to 80°C
Relative humidity: 5 to 95%, noncondensing
Supply Voltage: 3.3 V ±5%
Supply Current (max)**:** 250 mA

Ordering Information ———————

GPIB-PCI-XL - Card, Software CDROM
LP-PCI-KIT - Low-Profile PCI mounting kit

On the Web———————————

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

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