

PCI-GPIB

IEEE 488.2 GPIB Interface PCI Card

Features

- Fully compatible with IEEE 488.2 GPIB interface
- > 1 Mbyte/sec transfer rate
- Support VISA/SICL (Standard Instruments Control Library) standard
- Usage of iGPIB chip enhanced mode in driver provides:
 - Fully synchronous operation by chip design
 - 510 bytes FIFO for handling complete SCPI strings in one step
 - Hardware Time-out counter
 - Extended EOS byte handling
 - Optional drivers for other operating systems (call for availability)
- **Operating Systems**
 - Windows 3.x/95/98/NT/2000
- **Recommended Software**
 - Datalog DASYLab ®
 - GfS Digis and DIAdem ®
 - HP BenchLink ®
 - HP VEE ®
 - Keithley TestPoint ®
 - LabTech Notebook ®
 - National Instruments LabWindows ®
 - National Instruments LabView ®
 - National Instruments Measure Studio ®



Ordering Information

- **PCI-GPIB**
IEEE 488.2 interface PCI card

Introduction

PCI-GPIB card is a PCI plug-in card which supports the IEEE 488.2, SCPI, and VISA/SICL standard. IEEE 488.2, or GPIB (General Purpose Instrument Bus), is a standard for instrumentation communication and control for instruments from various manufacturers. The PCI-GPIB card uses the enhanced features of the ines iGPIB chip in conjunction with state-of-the-art plug & play technology to help users create a system equipped with different instruments by using simply one standard interface.

In addition to the enhanced hardware features, the PCI-GPIB card also provides wide selections of software supports. Users may choose their familiar applications or programming languages to create a test and measurement system that operates with diverse stand-alone instruments.

Specifications

Bus Properties

- Up to 15 instruments can be connected to one controller
- Maximum data transfer rate: 1 MByte per second
- Cable length:
 - 20m between controller and one device
 - 2m between each device
- Data transfer mode: 8 bit parallel
- Handshake: '3 wire handshake', reception of each data byte is acknowledged

Programming Language Interface

- HP Basic ®
- Microsoft Visual Basic ®
- Microsoft Visual C++ ®
- Borland Delphi ®
- Borland C++ ®
- Borland Turbo Pascal ®

Application Interface

- Datalog DasyLab ®
- GfS Digis and DIAdem ®
- HP BenchLink ®
- HP VEE ®
- Keithley TestPoint ®
- LabTech Notebook ®
- NI LabView ®
- NI LabWindow ®

General Specifications

- I/O connector: IEEE 488 standard 24-pin
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 to 80 °C
- Relative humidity: 5 to 95%, noncondensing
- Dimensions (not including connectors)
120 mm x 92 mm