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Find the *National Instruments GPIB-PCIIA* at our website: *Click HERE*

Low-Cost GPIB Interface for ISA

NI GPIB-PCII/IIA

- NAT4882 ASIC
  - Completely IEEE 488.2 compatible
  - Compatible with NEC µPD7210 controller
  - Compatible with TI TMS 9914A controller
  - Reduced software overhead
  - Increased reliability
- More than 300 kbytes/s transfer rates
- Half size ISA board fits any ISA slot
- RF-shielded IEEE 488 connector
- Software compatible with GPIB-PCII and GPIB-PCIIA boards of the past
- Choice of three DMA channels and six interrupt lines

Operating Systems

- Windows Me/9x/3.1
- DOS

Recommended Software

- LabVIEW
- LabWindows/CVI
- Measurement Studio

Driver Software (included)

- NI-488.2



Overview

The National Instruments GPIB-PCII/IIA is a full-function, low-cost IEEE 488 interface for PCs with ISA slots. The NI GPIB-PCII/IIA is compatible with all NEC µPD7210-based GPIB-PCII and GPIB-PCIIA boards, as well as interface boards that use the TI TMS 9914A controller chip. The board can also share interrupts when used in the GPIB-PCIIA mode.

The NAT4882 chip performs the basic IEEE 488 Talker, Listener, and Controller functions, as well as all the remaining Controller functions required by IEEE 488.2. By integrating the complete PC bus interface into the NAT4882, the GPIB-PCII/IIA has unsurpassed flexibility and reliability. The NAT4882 also significantly increases the throughput of the associated NI-488.2 by performing operations in hardware that were previously possible only in software.

Hardware Options

With DIP switches, you can select either GPIB-PCII or GPIB-PCIIA compatibility, NEC µPD7210 or TI TMS9914A mode of operation, and the base I/O address to which the board responds.

Ordering Information

GPIB-PCII and NI-488.2 for	
Windows Me/9x	777463-01
Windows Me/9x (2 m cable)	777463-51
Windows 3.1/DOS	776092-01
Windows 3.1/DOS (2 m cable)	776092-51
GPIB-PCIIA and NI-488.2 for	
Windows 3.1/DOS	776113-01
Windows 3.1/DOS (2 m cable)	776113-51
X2 GPIB Cables	
1 m	763061-01
2 m	763061-02
4 m	763061-03
8 m	763061-04

BUY ONLINE!

*Visit **ni.com/info** and enter gpibpciiia.*

Specifications

IEEE 488 Compatibility
IEEE 488.1 and IEEE 488.2 compatible

Maximum IEEE 488 Bus Transfer Rates
Standard IEEE 488 handshake ..... More than 300 kbytes/s

Power Requirement (from ISA I/O Channel)
+5 VDC ..... 250 mA typical, 490 mA maximum

Physical
Dimensions ..... 10.7 by 11.1 cm, (4.2 by 4.4 in.)
I/O connector ..... IEEE 488 standard 24-pin

Operating Environment
Component temperature ..... 0 to 55 °C
Relative humidity ..... 10 to 90%, noncondensing

Storage Environment
Temperature ..... -20 to 70 °C
Relative humidity ..... 5 to 95%, noncondensing

Electromagnetic Interference
FCC Class B certified

Compliance
Online at **ni.com/hardref.nsf**

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