

Requirements and Compatibility

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Last Revised: 2014-11-06 07:14:51.0

## CardBus and PCMCIA Carrier for PXI/CompactPCI data sheet

### NI PXI-8221



- 2-slot PC Card adapter in a single-slot PXI module
- Two type I/II cards or one type III card acceptance
- Compatibility with 3.3 V or 5 V PC Card
- PCI interface for maximum performance
- Serialized interrupt request (IRQ) in PXI handles legacy ISA-style interrupts
- Ability to add any PCMCIA (16-bit) and CardBus (32-bit) functionality
- Compatibility with NI PXI-8110, PXI-8108, PXI-8102, and PXI-8101 controllers

#### Overview

The NI PXI-8221 accepts two PC Cards in a single-slot PXI module, giving you more options for expanding PXI and CompactPCI systems. You can use the module to add any functionality from PCMCIA or CardBus plug-ins. Use the PXI-8221 with the NI PXI-8110, PXI-8108, PXI-8102, and PXI-8101 embedded controllers. Some previous-generation embedded controllers are also supported.

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#### Requirements and Compatibility

##### OS Information

- Windows 2000/XP

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#### Application and Technology

##### Applications

- PC Card flash hard disks for removable storage media
- Sound cards
- Bus interfaces
- Video cards
- Modems
- Any PC Card function

##### Hardware

The NI PXI-8221 PC Card adapter can control two fully independent PC Card sockets. It accepts either two type I or type II PC Cards or one type III PC Card. The module handles 16-bit PCMCIA and 32-bit CardBus PC Cards that can operate at the full speed of the PCI bus (132 MB/s). It can also handle the mixed operation of PCMCIA and CardBus PC Cards.

##### Serialized IRQ

The PXI-8221 PC Card adapter implements a special feature of the PXI and CompactPCI specification called serialized IRQ for handling PCMCIA PC Cards. Serialized IRQ implements standard ISA interrupt requests in a PCI-based system, such as PXI or CompactPCI. This approach provides a mechanism for communicating between ISA legacy components, such as PCMCIA, with PCI components and controllers.

## LED Indicators

The PXI-8221 PC Card adapter has two independent LED status indicators that light when a PC Card is properly installed and configured. The module automatically supplies the power required by either 3.3 V or 5 V PC Cards.

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## Support and Services

### System Assurance Programs

NI system assurance programs are designed to make it even easier for you to own an NI system. These programs include configuration and deployment services for your NI PXI, CompactRIO, or Compact FieldPoint system. The NI Basic System Assurance Program provides a simple integration test and ensures that your system is delivered completely assembled in one box. When you configure your system with the NI Standard System Assurance Program, you can select from available NI system driver sets and application development environments to create customized, reorderable software configurations. Your system arrives fully assembled and tested in one box with your software preinstalled. When you order your system with the standard program, you also receive system-specific documentation including a bill of materials, an integration test report, a recommended maintenance plan, and frequently asked question documents. Finally, the standard program reduces the total cost of owning an NI system by providing three years of warranty coverage and calibration service. Use the online product advisors at [ni.com/advisor](http://ni.com/advisor) to find a system assurance program to meet your needs.

### Technical Support

Get answers to your technical questions using the following National Instruments resources.

- **Support** - Visit [ni.com/support](http://ni.com/support) to access the NI KnowledgeBase, example programs, and tutorials or to contact our applications engineers who are located in NI sales offices around the world and speak the local language.
- **Discussion Forums** - Visit [forums.ni.com](http://forums.ni.com) for a diverse set of discussion boards on topics you care about.
- **Online Community** - Visit [community.ni.com](http://community.ni.com) to find, contribute, or collaborate on customer-contributed technical content with users like you.

### Repair

While you may never need your hardware repaired, NI understands that unexpected events may lead to necessary repairs. NI offers repair services performed by highly trained technicians who quickly return your device with the guarantee that it will perform to factory specifications. For more information, visit [ni.com/repair](http://ni.com/repair).

### Training and Certifications

The NI training and certification program delivers the fastest, most certain route to increased proficiency and productivity using NI software and hardware. Training builds the skills to more efficiently develop robust, maintainable applications, while certification validates your knowledge and ability.

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NI offers options for extending the standard product warranty to meet the life-cycle requirements of your project. In addition, because NI understands that your requirements may change, the extended warranty is flexible in length and easily renewed. For more information, visit [ni.com/warranty](http://ni.com/warranty).

### OEM

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