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Laptop Control of PXI with PCMCIA CardBus

NI PXI-CardBus8310, NI CardBus-8310, NI PXI-8310

- Laptop control of PXI/CompactPCI
- CardBus-to-PXI remote control
- Up to 50 MB/s sustained throughput
- Cabling up to 14 m
- Hot-plug compliance
- Compatible with Windows XP



Overview

The NI PXI-CardBus8310 interface kit gives you direct control of PXI systems via your laptop computer. The CardBus-to-PXI link is transparent to software applications and drivers to provide the ability to use laptop computers to control PXI systems. The NI PXI-CardBus8310 interface kit is ideal for use with portable systems, and you can pair it with DC-powered chassis to provide mobile solutions for applications such as in-vehicle data logging and test.

PCMCIA CardBus Control of PXI

With a PXI-CardBus8310 interface kit, you can transparently control a PXI system from a laptop computer with a CardBus slot. The CardBus-to-PXI link consists of an NI CardBus-8310 card in a laptop computer connected via industry-standard CAT 5 Ethernet cabling to an NI PXI-8310 module in slot 1 of a PXI chassis. For convenience, you can purchase either a complete PXI-CardBus8310 interface kit with all necessary components or purchase the CardBus card, PXI module, and cabling separately.

The PXI-CardBus8310 interface kit, which uses a StarFabric serial interface to implement a CardBus-to-PCI bridge, provides a transparent link where all PXI modules appear as if they are PCI boards within the laptop computer itself. However, you benefit from the increased number of slots, power and cooling per slot, module selection, and synchronization features provided by PXI.

For a list of compatible laptop computers, visit the PXI-CardBus8310 model page at **ni.com/pxi**.

Ordering Information

For online configuration of a complete PXI system, including chassis, modules, and all accessories, visit **ni.com/pxiadvisor**.

CardBus Kit for Control of PXI/CompactPCI

NI PXI-CardBus8310 with 3 m cable 779540-01
Kit includes one CardBus card (CardBus-8310), one PXI module (PXI-8310), and one 3 m cable kit.

PXI Interface Module

NI PXI-8310 779541-01

CardBus Interface Card

NI CardBus-8310 779542-01

CardBus Cable Kits

3 m 779544-03
10 m 779544-10
14 m 779544-14
Kits include two cables with EMC ferrites.

BUY NOW

For complete product specifications, pricing, and accessory information, call 800 813 3693 (U.S.) or go to **ni.com/pxi**.

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Specifications

Specifications subject to change without notice.

Sustained Throughput

Input	Up to 50 MB/s[1]
Output	Up to 10 MB/s[1]

[1]System dependent

Power Requirements

Typical CardBus-8310	1.15 W
Maximum CardBus-8310	1.15 W
Typical PXI-8310	2.35 W
Maximum PXI-8310	2.75 W

Physical

Dimensions	
CardBus-8310	Type II PC Card
PXI-8310	1-slot 3U PXI module
Slot requirements	One 3U PXI system controller slot
Maximum cable length	14 m
Compatibility	Fully compatible with PXI Hardware Specification, Revision 2.1

Operating Environment

Temperature	
CardBus-8310	0 to 40 °C
PXI-8310	0 to 55 °C
Relative humidity	10 to 90% noncondensing

Storage Environment

Temperature	-40 to 70 °C
Relative humidity	5 to 95% noncondensing

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We also offer service programs that provide automatic upgrades to your application development environment and higher levels of technical support. Visit **ni.com/ssp**.

Hardware 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** to find a system assurance program to meet your needs.

Calibration Services

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