

Using PXI with CompactPCI

The ability to use PXI-compatible products with standard CompactPCI products is an important feature of *PXI Specification Revision 2.0*. If you use a PXI-compatible plug-in device in a standard CompactPCI chassis, you are unable to use PXI-specific functions, but you can still use the basic plug-in device functions.

The CompactPCI specification permits vendors to develop sub-buses that coexist with the basic PCI interface on the CompactPCI bus. Compatible operation is not guaranteed between CompactPCI devices with different sub-buses nor between CompactPCI devices with sub-buses and PXI devices. The standard implementation for CompactPCI does not include these sub-buses. The NI PXI-6704 works in any standard CompactPCI chassis adhering to the *PICMG CompactPCI 2.0 R3.0* core specification.

What You Need to Get Started

To set up and use your NI 6703/6704 device, you will need the following:

- ☐ One of the following devices:
 - NI PCI-6703
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 - NI PXI-6704
- ☐ One of the following software packages and documentation:
 - NI-DAQ 7.4 or later
 - LabVIEW for Windows
 - LabWindows™/CVI™ for Windows
 - Measurement Studio
 - ANSI C without NI Application Software
 - .NET Languages without NI Application Software
- ☐ PC with a free PCI slot or PXI chassis with a free slot
- ☐ 68-pin cable (SH68-68-D1)
- ☐ 68-pin terminal block (CB-68)