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# Getting Started with PXI-8231 for Windows

This document describes how to install the PXI-8231 hardware and driver software for Windows.



**Note** If your system does not have a CD-ROM drive, refer to the *Alternative Driver Installation Options for the PXI-8231* section.

## PXI-8231 for Windows Vista/XP/2000

Follow these steps to install the PXI-8231 hardware and driver software for Windows Vista/XP/2000.

1. Shut down and power off the computer.





2. Install the hardware and cables. Power on the computer.



3. Install the Windows Vista/XP/2000 Ethernet drivers.

(Windows Vista) Windows automatically detects the new hardware and installs the Ethernet driver.

(Windows XP) Windows automatically detects the new hardware and displays a Found New Hardware Wizard window. Insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and follow the directions presented. Choose the **Recommended** option when given a choice and click Next.

	Welcome to the Found New Hardware Wizard	Completing the Found New Hardware Wizard
1	This wizard helps you install software for:	The wizard has finished installing the software for:
	Ethernet Controller	Intel(R) PR0/1000 MT Desktop Adapter
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>	
	Click Next to continue.	Click Finish to close the wizard.

**Tip** If Windows displays an **Insert Disk** dialog box indicating it cannot locate a file on the *Intel PRO Adapter* CD-ROM, insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and tell Windows to copy files from the Win2kXP directory of the CD-ROM drive (typically d:\Win2kXP\).

(Windows 2000) Windows automatically detects the new hardware and displays a Found New Hardware Wizard window. Insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and follow the directions presented. Choose the **Recommended** option when given a choice.

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If Windows asks where to search for a new driver, make sure the box next to **CD-ROM Drive** is checked and click **Next**.



For help with cabling instructions and troubleshooting tips, refer to the *PCI/PXI Ethernet* Adapters Installation Guide on the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM.

#### PXI-8231 for Windows Me/98

Follow these steps to install the PXI-8231 hardware and driver software for Windows Me/98.

1. Shut down and power off the computer.



2. Install the hardware and cables. Power on the computer.



3. Install the PCI-PCI bridge driver.

Windows automatically detects the new hardware.

Follow the prompts in the wizard. Select the **Recommended** option when given a choice. If Windows asks where to search for a new driver, clear all checkboxes and click **Next**. If a wizard does not appear, proceed to the next step.

4. Install the Windows Me/98 Ethernet drivers.

(Windows Me) Windows automatically detects the new hardware and displays an Add New Hardware Wizard window. Insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and follow the directions presented. Choose the **Recommended** option when given a choice and click Next.



(Windows 98) Windows automatically detects the new hardware and displays an Add New Hardware Wizard window. Insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and follow the directions presented. Choose the **Recommended** options when given a choice.



If Windows asks where to search for a new driver, make sure the box next to **CD-ROM Drive** is checked and click **Next**.

Add New Hardware Wi	zard	Add New Hardware Wizard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.         Eloppy disk drives         Do-ROM drive         Microsoft-Windows Update         Specify a location:         C:WINDOWS\CATROOT         Browse	Windows has found an updated driver for this device, an also some other drivers that should work with this device.         What do you want to install?         Intel(R) PR0/1000 MT Desktop Adapter         Intel(R) PR0/1000 MT Desktop Adapter
Add New Hardware Wi	<pre></pre>	< Back     Next>     Cancel       Add New Hardware Wizard
	Windows driver file search for the device: Intel(R) PRO/1000 MT Desktop Adapter Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue. Location of driver: Drivense & ME GIGABIT ETHERNET DRIVERSIVET6254DJNF	Intel(R) PRO/1000 MT Desktop Adapter
	< <u>₿</u> ack Next > Cancel	Cancel

**Tip** If Windows displays a dialog box indicating it cannot locate a file on the *Intel PRO Adapter* CD-ROM, insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM and tell Windows to copy files from the Win98ME directory of the CD-ROM drive (typically d:\Win98ME\).

**Tip** If Windows displays a dialog box indicating it cannot locate a file on the Windows 98 CD-ROM, try inserting the Windows 98 installation CD-ROM and telling Windows to copy files from either the top directory or the win98 directory of the CD-ROM drive (typically d:\ or d:\win98\).

For help with cabling instructions and troubleshooting tips, refer to the *PCI/PXI Ethernet* Adapters Installation Guide on the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM.

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5. Restart the computer and connect to your network.



## PXI-8231 for Windows NT 4.0

Follow these steps to install the PXI-8231 hardware and driver software for Windows NT 4.0.

1. Shut down and power off the computer.



2. Install the hardware and cables. Power on the computer.



3. Install the PCI-PCI bridge driver.

Windows automatically detects the new hardware. Follow the prompts in the wizard. Select the recommended options when given a choice. If Windows asks where to search for a new driver, clear all checkboxes and click **Next**. If a wizard does not appear, proceed to the next step.

4. Install the Windows NT 4.0 Ethernet drivers.

Select **Start»Settings»Control Panel»Network»Adapters** and click **Add**. Click **Have Disk** and insert the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM. You may also be prompted for the original Windows NT CD-ROM.



**Note** Service Pack 5 or later is required for Ethernet driver installation. Advanced features require Service Pack 6a or later.

**Note** When installing adapters on a Windows NT system with no other adapters installed, you must install networking support.

Network     ? X       Identification     Services       Protod     Is       Adapters     Bit dings       Network     Adapters:					
Add <u>Hemove</u> <u>Broperties</u> <u>Update</u> tem Notes	Select Network Adapter       ? ×         Click the Network Adapter that matches your hardware, and then click OK. If you have an installation disk for this component, click Have Disk.         Network Adapter:         Scom 3C508 ISA 16-bit Ethernet Adapter         3Com Etherlink III Adapter (also II/16 and II/16 TP)         3Com Etherlink III PCI Bus Master Adapter         Com Etherlink III PCI Bus Master Adapter				
Close Cancel					
Insert disk with software provided by the software or hardware manufacturer. If the files can be found at a different location, for example on another drive type a new path to the files below.	Intel(R) PR0/100 Family Adapter Intel(R) PR0/1000 Family Adapter OK Cancel Help				
PCI/PXI Gigabit Ethernet Adapters CD					



For help with cabling instructions and troubleshooting tips, refer to the *PCI/PXI Ethernet* Adapters Installation Guide on the *PCI/PXI Gigabit Ethernet Adapters* CD-ROM.

5. Restart the computer and connect to your network.

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#### Alternative Driver Installation Options for the PXI-8231

The installation instructions for each operating system in this document are appropriate for most users. However, if your PXI chassis does not contain a CD-ROM drive, try one of the following alternatives to load the Ethernet driver.

- If you have an existing Ethernet connection in your PXI chassis, download the Intel Ethernet driver from the National Instruments Web site. Access the **Drivers and Updates** page at ni.com/download/.
- Connect an external CD-ROM, such as a USB CD-ROM, and load the Ethernet driver directly from the *PCI/PXI Gigabit Ethernet Drivers* CD-ROM.
- Follow these steps to use another computer with a CD-ROM to copy the Ethernet driver onto a 3.5 in. floppy disk:
  - 1. Open a DOS command window.
  - 2. Change to the directory on the CD-ROM that matches the OS you want to use with the diskette.
  - 3. Change to the \MAKEDISK directory.
  - 4. Depending on your OS choice, type MAKE2KXP, MAKENT, or MAKE98ME and follow the onscreen instructions.

## Where to Go for Support

The National Instruments Web site is your complete resource for technical support. At ni.com/support you have access to everything from troubleshooting and application development self-help resources to email and phone assistance from NI Application Engineers.

National Instruments corporate headquarters is located at 11500 North Mopac Expressway, Austin, Texas, 78759-3504. National Instruments also has offices located around the world to help address your support needs. For telephone support in the United States, create your service request at ni.com/support and follow the calling instructions or dial 512 795 8248. For telephone support outside the United States, contact your local branch office:

Australia 1800 300 800, Austria 43 662 457990-0, Belgium 32 (0) 2 757 0020, Brazil 55 11 3262 3599, Canada 800 433 3488, China 86 21 5050 9800, Czech Republic 420 224 235 774, Denmark 45 45 76 26 00, Finland 385 (0) 9 725 72511, France 01 57 66 24 24, Germany 49 89 7413130, India 91 80 41190000, Israel 972 3 6393737, Italy 39 02 413091, Japan 81 3 5472 2970, Korea 82 02 3451 3400, Lebanon 961 (0) 1 33 28 28, Malaysia 1800 887710, Mexico 01 800 010 0793, Netherlands 31 (0) 348 433 466, New Zealand 0800 553 322, Norway 47 (0) 66 90 76 60, Poland 48 22 3390150, Portugal 351 210 311 210, Russia 7 495 783 6851, Singapore 1800 226 5886, Slovenia 386 3 425 42 00, South Africa 27 0 11 805 8197, Spain 34 91 640 0085, Sweden 46 (0) 8 587 895 00, Switzerland 41 56 2005151, Taiwan 886 02 2377 2222, Thailand 662 278 6777, Turkey 90 212 279 3031, United Kingdom 44 (0) 1635 523545

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