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Serial Installation Guide

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Supported Operating Systems

The following table lists the operating systems each hardware interface supports.

Interface Type	Windows 7 32	Windows 7 64	Windows Vista 32	Windows Vista 64	Windows XP/2000	Windows 2003 Server R2 32	Windows 2008 Server R2 64	LabVIEW Real-Time
PCI-843*x*	✓	✓	✓	✓	✓[3]	✓	✓	✓
PCI-232/485	✓	✓	✓	✓	✓[3]	✓	✓	✓
NI PCIe-843*x*	✓	✓	✓	✓	✓[3]	✓	✓	✓
PXI-843*x*	✓	✓	✓	✓	✓[3]	✓	✓	✓
NI PXIe-843*x*	✓	✓	✓	✓	✓[3]	✓	✓	✓
PXI-842*x*	✓	✓	✓	✓	✓[3]	✓	✓	✓
USB	✓	✓	✓	✓	✓[3]	✓	✓	
ENET	✓	✓[1]	✓	✓[1]	✓[3]	✓[1]	✓	✓[1]
ExpressCard	✓	✓	✓	✓	✓[3]	✓	✓	
PCMCIA			✓[2]		✓[2]			

[1] NI-VISA support only.
[2] Supported by NI-Serial versions 3.5.0 and earlier.
[3] Windows 2000 supported by NI-Serial versions 3.5.1 and earlier.

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PCI/PCI Express/PXI/PXI Express Serial Installation

Refer to the *Serial Hardware and Software Help* (available on the CD) for more information about troubleshooting problems, configuring the hardware and software, programming requirements, and more.

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the *NI-Serial Software for Windows* CD.
3. Click **Install Software** and follow the onscreen instructions.
4. Power down the computer, install your serial PCI, PCI Express, PXI, or PXI Express hardware, and power on the computer.
5. After Windows detects your hardware, select **Start»Programs» National Instruments»NI-Serial»Troubleshooting Wizard**.
6. The Troubleshooting Wizard window appears. This application verifies the software and hardware installation and sequentially tests each NI serial port.
7. Connect the cables.

USB Serial Installation

Caution The USB Serial device and the computer must share the same ground potential.

Refer to the *Serial Hardware and Software Help* (available on the CD) for more information about troubleshooting problems, configuring the hardware and software, programming requirements, and more.

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the *NI-Serial Software for Windows* CD.
3. Click **Install Software** and follow the onscreen instructions.
4. Restart the computer.
5. If you are installing a USB-485/4, connect the external power supply.
6. Connect the USB cable from the USB hardware to an available USB port on your computer or USB hub.
7. Select **Start»Programs»National Instruments»NI-Serial» Troubleshooting Wizard**.
8. The Troubleshooting Wizard window appears. This application verifies the software and hardware installation and sequentially tests each NI serial port.
9. Connect the cables.

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ENET Serial Installation

Refer to the *Serial Hardware and Software Help* (available on the CD) for more information about troubleshooting problems, configuring the hardware and software, programming requirements, and more.

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the *NI-Serial Software for Windows* CD.
3. Click **Install Software** and follow the onscreen instructions.
4. Restart the computer.
5. Install your Serial ENET hardware.
   a. Select **Start»Programs»National Instruments»NI-Serial» Add Serial ENET** to launch the Add Serial ENET wizard.
   b. Follow the prompts to add your serial ENET interface(s). If you see the Hardware Installation dialog box, click **Continue Anyway**. You may see two Hardware Installation dialog boxes per port being installed.
   c. When finished adding your serial ENET interface(s), restart your computer.
6. Select **Start»Programs»National Instruments»NI-Serial» Troubleshooting Wizard**.
7. The Troubleshooting Wizard window appears. This application verifies the software and hardware installation and sequentially tests each NI serial port.
8. Connect the cables.

ExpressCard Serial Installation

Refer to the *Serial Hardware and Software Help* (available on the CD) for more information about troubleshooting problems, configuring the hardware and software, programming requirements, and more.

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the *NI-Serial Software for Windows* CD.
3. Click **Install Software** and follow the onscreen instructions.
4. Restart the computer.
5. Insert your serial ExpressCard hardware.
6. Select **Start»Programs»National Instruments»NI-Serial» Troubleshooting Wizard**.

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7. The Troubleshooting Wizard window appears. This application verifies the software and hardware installation and sequentially tests each NI serial port.
8. Connect the cables.

PCMCIA Serial Installation

Refer to the *Serial Hardware and Software Help* (available on the CD) for more information about troubleshooting problems, configuring the hardware and software, programming requirements, and more.

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the *NI-Serial Software for Windows* CD.
3. Click **Install Software** and follow the onscreen instructions.
4. Restart the computer.
5. Insert your serial PCMCIA hardware.
6. Select **Start»Programs»National Instruments»NI-Serial» Troubleshooting Wizard**.
7. The Troubleshooting Wizard window appears. This application verifies the software and hardware installation and sequentially tests each NI serial port.
8. Connect the cables.

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