

CyberParallel PCI

Quick Installation Guide

Introducing the *CyberParallel PCI*

The *CyberParallel PCI* is a high-speed parallel I/O card for parallel device connections. It provides 1 ECP/EPP parallel port which supports data transfer rates up to 1.5 MB/sec.

Features and Benefits

- Conforms to PCI v2.2 Plug and Play
- Can be installed in 32-/64-bit, 3.3v/5v PCI and PCI-X slots
- Full support for DOS and Windows based software
- PCI IRQ sharing feature reduces IRQ conflicts
- Compliant with IEEE 1284-1994 parallel port standard
- Works with various types of parallel port devices including printers, removable drives, scanners, CD-R/RWs, and more
- Supports ECP/EPP, Bi-directional Parallel Port (PS2) and Standard Parallel Port (SPP) modes

System Requirements

- Pentium or equivalent computer with an available PCI slot
- DOS, Windows 95/98/98 SE/ME/NT 4.0/2000/XP/Server 2003

Package Contents

- (1) *CyberParallel PCI* board
- (1) Driver CD
- This quick installation guide

Board Layout

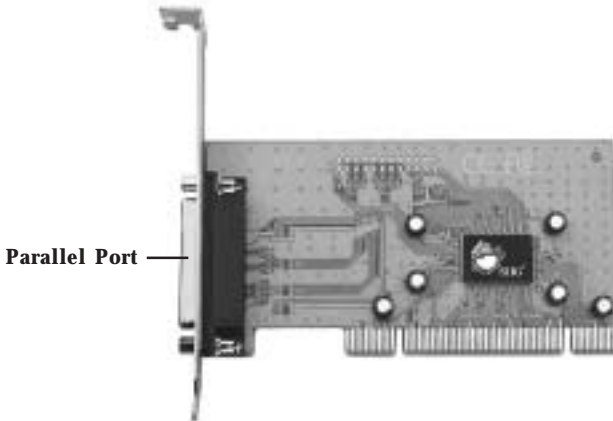


Figure 1. CyberParallel PCI Layout

Hardware Installation

General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer's reference manual for further information, if needed.

Caution: Static Electricity Discharge may permanently damage your system. To avoid possible static electricity discharge during the installation, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer's case (if plugged in), for a few seconds.

- During the installation, avoid any contact with internal parts. Handle cards only by their external edges.
1. Turn OFF the power to your computer.
 2. Unplug the power cord and remove your computer's cover.
 3. Remove the slot bracket from an available PCI slot.
 4. Carefully align the card to the selected PCI slot push the board down firmly, but gently, until it is well seated.
 5. Replace the slot bracket's holding screw to secure the card.
 6. Replace the computer cover and reconnect the power cord.

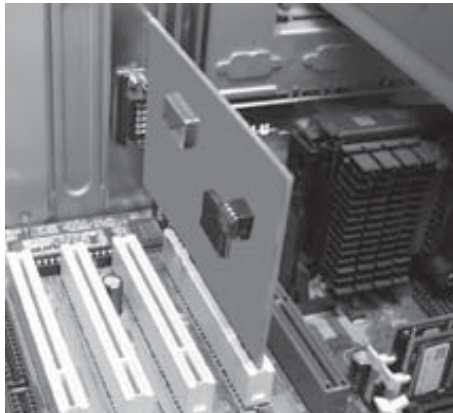


Figure 2. Inserting the PCI Board

Software Installation

This section provides the steps on how to install the *CyberParallel PCI* drivers. Please make sure the board is installed before proceeding with the driver installation.

Windows 95 Driver Installation

1. At the **Update Device Driver Wizard**, click **Next**.
2. Insert the driver CD and click **Other Locations**.
3. Type in **X:\1P\95**, click **OK**, then click **Finish**. (Change **X:** to match your CD-ROM drive letter)
4. From the **Insert Disk** window, click **OK**. When the **Copying Files** dialog box appears, type in **X:\1P\95**, then click **OK**. (Change **X:** to match your CD-ROM drive letter)
5. Restart Windows to complete the driver installation.

Windows 98/98SE Driver Installation

1. At the **Add New Hardware Wizard**, click **Next**.
2. Select **Search for the best driver for your device (Recommended)**, then click **Next**.
3. Select **Specify a location**, uncheck the other boxes, insert the driver CD, type in **X:\1P\98**, then click **Next**. (Change **X:** to match your CD-ROM drive letter)
4. Click **Next**, then **Finish**.
5. Restart Windows to complete the driver installation.

Windows ME Driver Installation

1. At the **Add New Hardware Wizard**, choose **Specify the location of the driver (Advanced)**, then click **Next**.

2. Check **Specify a location**, uncheck the other box, insert the driver CD, type in **X:\1P\ME**, then click **Next**. (Change **X:** to match your CD-ROM drive letter)
3. Click **Next**, then **Finish**.
4. Restart Windows to complete the driver installation.

Windows NT 4.0 Driver Installation

1. From the desktop, click **Start**, then **Run**.
2. Insert the driver CD, type **X:\1P\NT4\setup.exe**, then click **OK**. (Change **X:** to match your CD-ROM drive letter)
3. At the **Welcome** window, click **Continue**.
4. At the **Multi-IO Drivers Setup** window, click **Next**.
5. Select **Yes** and click **Finish** to restart NT to complete the driver installation.

Windows 2000 Driver Installation

1. At the **Found New Hardware Wizard**, click **Next**.
2. Select **Search for a suitable driver for my device (Recommended)**, then click **Next**.
3. Select **Specify the location**, uncheck the other boxes, then click **Next**.
4. Insert the driver CD, type in **X:\1P\2000**, then click **OK**. (Change **X:** to match your CD-ROM drive letter)
5. Click **Next**, then click **Finish** to complete the driver installation.

Windows XP Driver Installation

1. At the **Found New Hardware Wizard**, choose **Install from a list or specific location (Advanced)**, then click **Next**.
2. Insert the driver CD, check **Include this location in the search**, uncheck the other box, type in **X:\1P\XP**, then click **Next**. (Change **X:** to match your CD-ROM drive letter)
3. At the **Hardware Installation** window, click **Continue Anyway**, then click **Finish**.
4. Repeat steps 1-3.
5. Restart your system for the new setup to take effect.

Windows Server 2003 Driver Installation

1. At the **Found New Hardware Wizard**, choose **Install from a list or specific location (Advanced)**, then click **Next**.
2. Insert the driver CD, check **Include this location in the search**, uncheck the other box, type in **X:\1P\2003**, then click **Next**. (Change **X:** to match your CD-ROM drive letter)
3. At the **Hardware Installation** window, click **Continue Anyway**, then click **Finish**.
4. Repeat steps 1-3.
5. Restart your system for the new setup to take effect.

DOS Driver Installation

1. Insert the driver CD. From the **C:\>** prompt, type **copy X:\1P\dos*.***, and press **<Enter>**. (Change **X:** to match your CD-ROM drive letter)
2. Type **edit autoexec.bat**, and press **<Enter>**.
3. Add **C:\nmdosin.exe -a** at the bottom of the autoexec.bat file.
4. Go to **File**, save the changes and exit.
5. Restart your system for the new setup to take effect.

Verify Proper Windows Driver Installation

For Windows 95/98/98SE/ME:

1. Right click **My Computer**, click **Properties**, click **Device Manager**.
2. Double click **NetMosMultiFunction, NetMos PCI...Controller** should be listed.
3. Double click **Ports (COM & LPT)**, a **NetMos PCI Parallel Port** should be listed.

For Windows NT 4.0:

1. Click **Start, Settings, Control Panel**.
2. Double click **NetMos Multi-I/O Ports** icon, click **Parallel Port** tab, a parallel port should be listed under **Ports**.

For Windows 2000/XP/Server 2003:

1. Right click **My Computer**, click **Manage**, then click **Device Manger**.
2. Double click **Multifunction adapters, NetMos... Parallel Port** should be listed.
3. Double click **Ports (COM & LPT)**, a **NetMos PCI Parallel Port** should be listed.

Troubleshooting

Problem: I am installing a parallel port(s) and my system freezes up when Windows tries to install the driver for my printer port.

Solution: Enter your system bios, set the onboard parallel port I/O address to 278h, save and exit. In certain systems, the address 278h is reserved for ISA boards. So when the PCI parallel port tries to capture this address, your system gets confused and freezes up.

Technical Support

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PRODUCT NAME	MODEL NUMBER
CyberParallel PCI	IO1839

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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6078 Stewart Ave.
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