

# MosChip PCI I/O Cards

## Quick Installation Guide

### 1. Introduction

The MosChip PCI I/O Card series is a total solution for serial and parallel device connections. This series includes PCI 1S, 2S, 1P, 2P, 1S1P and 2S1P.

#### 1-1 Key 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
- Fully support for DOS- and Windows-based software
- PCI IRQ sharing feature reduces IRQ conflicts

#### **Serial interface:**

- High-speed 16550 UART serial port(s) supports baud rate up to 115kbps
- Works with 56K modems, PDAs and other serial devices

#### **Parallel interface:**

- Compliant with IEEE 1284-1994 parallel port standard
- Supports ECP/EPP, Bi-directional (PS2) and Standard Parallel Port (SPP) modes
- Works with various types of parallel devices including printers, removable drives, scanners, CD-R/RWs and more

## **1-2 System Requirements**

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

## **2. Installation**

General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer 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 case (if plugged in), for a few seconds.
- During the installation, avoid any contact with internal parts. Handle cards only by their external edges.

### **Note:**

- 1. For PCI 2S1P**, when connecting the **DB9 serial port cable** to **Serial Port 2 (S2)**, please position the ribbon cable so the colored stripe is on the side farthest away from the slot bracket.
- 2. For PCI 2P**, when connecting the **DB25 parallel port cable** to **Parallel Port 2 (P2)**, please position the ribbon cable so the colored stripe is on the side closest to the slot bracket.

### **3. Hardware Installation**

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove the computer cover, select an available 32-bit PCI slot and remove the slot bracket. Save the screw for securing the board after it is installed.
4. To install the board, align the board bus connector to the expansion slot on the motherboard. Push the board down gently until it is well seated.
5. Replace the slot bracket holding screw to secure the board to the rear slot panel.
6. Replace the computer cover and reconnect the power cord.

### **4. Software Installation**

#### **4.1 MS-DOS Driver Installation**

1. After installing the board, boots up your system.
2. Insert driver CD. From the C:\>prompt, type **copy D:DOS\\*.\*** and press <**Enter**>. (Assume D: is your CD-ROM drive).
3. Type **edit autoexec.bat**, and press <**Enter**>.
4. Add **C:\nmdosin.exe -a** at the bottom of the autoexec.bat file.
5. Go to **File**, save the changes and exit.
6. Restart your system for the new setup to take effect.

#### **4.2 Windows 95 Driver Installation**

1. After installing the board, boots up your system.
2. When **Update Device Diver Wizard** window displays, click **Next**.
3. Insert the driver CD and click **Other Locations**.

4. Check **Other Location....** window, type in **D:\Win 95**, click **OK**, then click **Finish**. (Assume D: is your CD-ROM drive)
5. From the **Insert Disk** window, click **OK**.
6. When **Copying Files** dialog box displays, type in **D:\Win95~9**, then click **OK**. (Assume D: is your CD-ROM drive)
7. At the **System Settings Change** window, click **Yes** to restart your system and complete the driver installation.

### **4.3 Windows 98/98SE Driver Installation**

1. After installing the board, boots up your system.
2. At the **Add New Hardware Wizard** windows, click **Next**.
3. Select **Search for the best driver for your device (Recommended)**, then click **Next**.
4. Select **Specify a location**, uncheck the other boxes, insert the driver CD, type in **D:\Win 98**, then click **Next**. (Assume D: is your CD-ROM drive)
5. Click **Next**, then **Finish**.
6. Restart your system to complete installation.

### **4.4 Windows ME Driver Installation**

1. After installing the board, boots up your system.
2. At the **Add New Hardware Wizard** windows, select **Specify the location of the driver (Advanced)**, then click **Next**.
3. Check **Specify a location**, uncheck the other boxes, insert the driver CD, type in **D:\Win ME**, then click **Next**. (Assume D: is your CD-ROM drive)
4. Click **Next**, then **Finish** to complete the installation.

5. Click **Yes** to restart your computer.

## **4.5 Windows NT 4.0 Driver Installation**

### **For PCI Serial card**

1. After installing the board, boots up your system.
2. From the desktop, click **Start**, then **Run**.
3. Insert the driver CD, type in **D:\Win NT\ Setup\_Serial.exe**, then click **OK**. (Assume D: is your CD-ROM drive).
4. At the **Welcome** window, click **Continue**.
5. At the **NetMos Serial Port Drivers Setup** window, click **Next**.
6. Click **Yes** to restart NT to complete driver installation.

### **For PCI Parallel card**

1. After installing the board, boots up your system.
2. From the desktop, click **Start**, then **Run**.
3. Insert the driver CD, type in **D:\Win NT\ Setup\_Parallel.exe**, then click **OK**. (Assume D: is your CD-ROM drive).
4. At the **Welcome** window, click **Continue**.
5. At the **NetMos Parallel Port Drivers Setup** window, click **Next**.
6. Click **Yes** to restart NT to complete driver installation.

### **For PCI Serial/Parallel Combo card**

1. After installing the board, boots up your system.
2. From the desktop, click **Start**, then **Run**.
3. Insert the driver CD, type in **D:\Win NT\ Setup\_Combo.exe**, then click **OK**. (Assume D: is your CD-ROM drive).
4. At the **Welcome** window, click **Continue**.

5. At the **NetMos Multi-IO Drivers Setup** window, click **Next**.
6. Click **Yes** to restart NT to complete driver installation.

#### **4.6 Windows 2000 Driver Installation**

1. After installing the board, boots up your system.
2. When **Found New Hardware Wizard** displays, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)**, then click **Next**.
4. Select **Specify a location**, then click **Next**.
5. Insert the driver CD, type in **D:\Win 2000**, then click **OK**.  
(Assume D: is your CD-ROM drive).
6. Click **Next**, then **Finish** to complete driver installation.

#### **4.7 Windows XP Driver Installation**

1. After installing the board, boots up your system.
2. At the **Found New Hardware Wizard** window, choose **Install from a list or specific location (Advanced)**, then click **Next**.
3. Insert the driver CD, check **Include this location in the search**, uncheck the other boxes, type in **D:\Win XP**, then click **Next**.  
(Assume D: is your CD-ROM drive).
4. At the **Hardware Installation** window, click **Continue Anyway**, then click **Finish**.
5. If the **Found New Hardware Wizard** window displays again, repeat steps 2-4, then click **Finish** until the completion of software installation.

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