

# User Manual

## About the PCI-Express I/O card

This PCI-Express I/O card uses the latest PCI-Express interface standard for expansion bus, enabling this card to be installed on any PCI-Express capable PC system. Most of the latest motherboards no longer come with serial or parallel port, using this card; end-user can add serial and parallel ports to their PC system, allowing them to connect their serial and parallel devices. This PCI-Express I/O card offers superior performance and unmatched data transfer rates. It is also ideal for industrial automation applications.

## Features

### General

- Compliant with PCI-Express Base Specification Revision 1.0a
- Single-Lane (x1) PCI-Express with throughput up to 2.5Gbps
- Support Re-map function for legacy ports
- Driver support for DOS, Linux, Windows 95, 98SE, ME, NT, 2000, XP operating system

### Serial Port (RS-232) Interface

- Build-in 16C550 compatible UART
- 16-Byte deep transmitting and receiving FIFO
- Transfer rate up to 1Mbps
- Support RS-232 hardware flow control

### Parallel Port Interface

- IEEE1284 compatible parallel port
- Support SPP, PS2, EPP & ECP mode
- Fast data rates up to 1.5MBps
- Build-in 16-Byte FIFO

## Installing the PCI-Express I/O card into your computer

1. Turn off your computer and all devices connected to it.
2. Remove the computer's cover. Refer to your computer user's manual for more details.
3. Find an unused PCI-Express slot and remove the metal bracket. Save the bracket screw for later use.
4. Align the card horizontally with respect to the PCI-Express slot and insert it into the slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the card into the slot, secure the card with the bracket screw you have saved.
5. Replace the computer's cover.
6. Turn your computer on. You are now ready to install the driver!

## Driver Locations

All the drivers for the following PCI-Express I/O cards are located in these folders of the Driver CD:

Chipset Part No.	Description	Driver Folder
MCS9805	PCI-Express Single Parallel Port card (1P)	\NETMOS\NM9805
MCS9815	PCI-Express Dual Parallel Port card (2P)	\NETMOS\NM9815
MCS9820	PCI-Express Single Serial Port card (1S)	\NETMOS\NM9835S
MCS9835	PCI-Express Dual Serial Port card (2S)	\NETMOS\NM9835S
MCS9835	PCI-Express Single Parallel + Dual Serial Port card (2S1P)	\NETMOS\NM9835M

## Installing Driver

Make sure that your Windows OS is installed and running properly on your PC.

### For Windows XP, 2000, ME, 98SE, 98 & 95 operating system

1. Start Windows.
2. Windows will automatically detect the PCI-Express I/O card. Click the **Next** button to continue.
3. Select "**Search for a suitable driver for your device (Recommended)**" and click on the **Next** button.
4. Insert the Driver CD into the CDROM drive. Select "**Specify a location**" and click the Next button to continue.
5. Click the **Browse** button to select the location for the drivers.
6. At the Locate File window:
  - Select the CDROM drive.
  - Select **NETMOS** folder.
  - Select the appropriate folder for your PCI-Express I/O card's driver.
  - Select the appropriate folder for your operating system.
  - Click on the **Open** button.
  - Finally, click on the **Next** button
7. Click on the **Finish** button to start copying files from the Driver CD.
8. Once driver installation is completed, you can now connect your external devices to the PCI-Express I/O card. To install the driver for the external devices, please refer to the external device user's manuals

### For Windows NT 4.0 operating system

1. Start Windows NT.
2. Select "**RUN**" option in Windows NT.
3. At the "RUN" option, click on the "**Browse**" button.
4. At the Browse for Folder window:
  - Select the CDROM drive.
  - Select **NETMOS** folder.
  - Select the appropriate folder for your PCI-Express I/O card's driver.
  - Select **NT40** folder.
  - Select **NT40.EXE**.
  - Click on the **Open** button
5. Finally, click the "**OK**" button.
6. Follow the instructions to finish up the driver installation. Your system will automatically restart in order to complete the driver installation.

### For Linux operating system

Please refer to the documents in the Linux folder for driver installation.

### For DOS operating system

Copy **NMDOSIN.EXE** to your hard disk and run **NMDOSIN.EXE**. For Help Option, run **NMDOSIN.EXE /?**

### Update Drivers

Please visit this website: <http://www.moschip.com> for all the latest drivers for your PCI-Express I/O card.

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