SERIAL PCI CARD
INSTALLATION GUIDE

This PCI Multi I/O card uses the latest PCI based Peripheral controller chipset from MosChip, enabling this card to be installed on any PCI capable PC system. Most of the latest motherboards no longer come with serial or parallel port. By 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 product offers superior performance and unmatched data transfer rate. It is also ideal for industrial automation applications

FEATURES AND SPECIFICATIONS:
General
- Easy installation, automatically selects IRQ and I/O address
- Supports 32-bit PCI local bus specification revision 2.1
- Supports PCI power management
- Supports PCI IRQ sharing feature, saves valuable resources for other add-on cards
- Supports multiple cards on one PC
- Supports Windows 98SE, ME, NT, 2000, XP 32/64 bits, Vista 32/64 bits, 7 32/64 bits Linux and DOS operating systems.

Serial port (RS-232) Interface
- Compatible with industrial standard 16C550 UART
- On-chip 16-byte depth FIFO in Transmit & Receive paths of each port
- Fast data rate up to 155.2 Kbits/sec on each port
- Supports Modem Control Signals
- Supports 5,6,7,8 bit serial format
- Supports Even, Odd, No Parity or Force Parity

HARDWARE INSTALLATION
1. Turn your computer off and all devices connected to it.
2. Remove the computer's cover. Refer to your computer user's manual for more details.
3. Locate an unused PCI slot and remove the metal bracket. Save the bracket screw for later use.
4. Align the card horizontally with respect to the PCI 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.

Before the installation of the controller card, let us make the following assumptions:
1. The end users must have the basic knowledge of installing an internal device and its driver to a PC. If they are not sure about their abilities or have any queries, please call their local dealers immediately, or find somebody who are experienced and qualified for assistance.
2. The computer has been properly installed with our supported Windows operating system

DRIVER LOCATIONS
All the drivers for the following PCI I/O cards can be located on the Driver CD under these folder paths:

MCS9835 or NM9835 (2S) ; \NETMOS\NM9835S

Note: MosChip Semiconductor Technology acquired NetMOS Technology Inc. in 2001 and the chipset part numbers were revised from NM98xx to MCS98xx but the drivers remain the same.

DRIVER INSTALLATION

1. System will detect a new device. Please choose "**Locate and install driver software (recommended)**" and click "**Continue**" then select **"I don't have the disc. Show me other options".**
2. Click on "browse my computer for driver software (advanced)" and then browse the CD and choose the locations
   D:\Netmos\NM9835S\[OS FOLDER]
3. After that, click **Next** to continue.
4. It will display the message of "**Windows can't verify the publisher of this driver software".** Please choose **"Install this driver software anyway"** to finish the installation.
5. The system will detect new peripheral: **MOSCHIP PCI MULTI/IO Controller**. Browse to driver folder. It will installer driver for **MOSCHIP PCI SERIAL PORT**, then for **MULTIFUNCTION DEVICE** at the level of COM ports.
6. If there is a Windows warning, click "**Continue**"
7. The system will install the **MOSCHIP PCI SERIAL PORT Com 3** and **MOSCHIP PCI SERIAL PORT Com 4** drivers, and finally **MOSCHIP Unusable Parallel Port LPT3**.
8. Driver installation is completed. The COM and LPT numbers may vary regarding your system.

Updating drivers

All the latest drivers are available for download at this website:
http://www.connectland.eu

Connection of peripherals

Connect serial or parallel peripheral to PCI port. You may need to install peripheral driver.