User Manual

INTRODUCTION

This PCI multi-I/O card uses the latest PCI based Peripheral controller chipset from WCH, enabling this card to be installed on any PCI capable PC system. Most of the latest motherboards no longer come with serial port. By using this card, end user can add serial ports to their PC system, allowing them to connect their serial devices like printer, scanner, modem etc. It is also ideal for industrial automation applications.
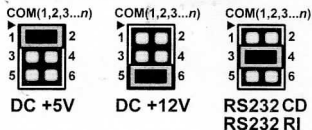
FEATURES AND SPECIFICATION

General

- Fully compliant with PCI Local Bus Specification Revision 2.3
- Supports PCI Power Management 1.2
- Supports multiple cards on one PC
- Supports both Standard Profile and Low Profile computer chassis
- Supports Windows 98SE, ME, 2000, XP 32/64-bit, Server 2003 32/64-bit, Vista 32/64-bit, Server 2008 32/64-bit, Windows 7 32/64-bit, Windows 8 32/64-bit, Windows 8.1 32/64-bit, DOS and Linux

Serial Port (RS-232) Interface

- Compatible to industrial standard 16C450, 16C550, 16C552 and enhanced UART
- Built-in 16-byte depth FIFO in Transmit & Receive paths of each port
- Fast data rate up to 115.2K bits/sec on each port
- Supports hardware and software flow control
- Supports 5-, 6-, 7-, 8-bit characters
- Supports Even, Odd or No Parity Bit Generation and Detection
- Supports 1 or 2 Stop Bit Generation
- Optional jumper for setting CD/RI, +5V or +12V on pin 1 and pin 9 of each serial port DB9 connector (Special model)

HARDWARE INSTALLATION

1. For special model with optional jumper for setting the serial ports, configure the jumper block to select the function of pin 1 and pin 9 for each DB9 serial port connector to meet your requirement. Refer to **Figure 1** for details.
2. Turn off your computer and all devices connected to it.
3. Remove the computer's cover. Refer to your computer user's manual for more details.
4. Locate an un-used PCI slot and remove the metal bracket. Save the bracket screw for later use.
5. 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.
6. Connect the power cable to the product from the power supply of the computer. (Special model)
7. Replace the computer's cover.
8. Turn your computer on. You are now ready to install the driver!

Warning: Check your serial equipment/device carefully for the power voltage requirement.

Figure 1 – Jumper block to configure the function of pin 1 and pin 9 for DB9 serial port

DRIVER INSTALLATION

Installing Driver for Windows 98SE, ME, 2000, XP 32/64bit, Server 2003 32/64bit, Vista 32/64bit, Server 2008 32/64bit, Windows 7 32/64bit, Windows 8 32/64bit and Windows 8.1 32/64bit:

1. Start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
2. Windows will automatically detect the card. Ignore the driver installation wizard.
3. Browse to the following folder on the driver CD according to your operating system:

   D:\WCH\CH35x

4. Run **Setup.exe** to start driver installation.
5. Follow the on-screen instructions to install the driver.
6. Once driver installation is completed, you can now connect your external devices to the PCI multi-I/O card. To install the driver for the external devices, please refer to the external device user's manuals.

Installing Driver for Linux and DOS:

Please refer to the installation manual on the driver CD under these operating system folders to installing the driver.

Updating Drivers:

The latest drivers and last-minute change to this document are available on this website:

http://www.drivers-download.com

Search for the Download Code **DL-0356101** from "Drivers Search".