

1-2 Special Features and Benefits

- Conforms to PCI v2.1 Plug and Play
- Full support for DOS-and Windows-based software
- Fast I/O access speed reduces CPU load and improves system performance dramatically
- IRQ sharing feature eliminates IRQ conflicts

1-3 Special Features and Benefits

According to the Model No. you purchase, PCI I/O card provide some advanced special features to your PC system.

1-3.1 16850 UART Serial

- High-speed 16850 UART serial port (9-pin) supports baud rates up to 920Kbps. Works with 56K external modems, ISDN terminal adapters and other serial port devices.
- Built-in 128-byte FIFO buffers dramatically increase data transmit /receive speed, especially under Windows multitasking environment

1-3.2 16650 UART Serial

- High-speed 16650 UART serial port (9-pin) supports baud rates up to 920Kbps. Works with 56K external modems, ISDN terminal adapters and other serial port devices.
- Built-in 32-byte FIFO buffers dramatically increase data transmit /receive speed, especially under Windows multitasking environment

1-3.3 16550 UART Serial

- High-speed 16550 UART serial port (9-pin) supports baud rates up to 920Kbps. Works with 56K external modems, ISDN terminal adapters and other serial port devices.
- Built-in 16-byte FIFO buffers dramatically increase data transmit

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/receive speed, especially under Windows multitasking environment.

1-3.4 ECP/EPP Parallel

- High-speed parallel port support all types of parallel port devices including removable cartridge drives, CDR/RWs, printers, SuperDisk™ LS-120 drives, scanners and more
- Supports EPP, ECP (PIO mode), Bi-directional Parallel Port (BPP) and Standard Parallel Port (SPP) modes
- Data Transfer rates up to 2MB/sec

2. Installation Guide

2-1 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's cover, select an available 32-bit PCI slot and remove the bracket. Save the screw for securing the board after it's installed.
4. To install the PCI I/O card, Align the board's 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. Restart the system and refer to the next section for Software Installation.

2-2 Software Installation

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2-2.1 Windows 95 Driver Installation

For proper installation in your system, verify the version of Windows 95 in your system by going to My Computer/Control Panel/System/General. Then follow the steps below to install the Windows 95 drivers:

1. When you first turn on your computer after installing the PCI I/O Card, Windows will notify you of "**New Hardware Found**".
2. Select "**Driver from disk provided by hardware manufacturer**" and click "**OK**".
3. Insert the Driver Installation diskette in the floppy drive and type in: **a:\win95** and click on "**OK**".
4. Remove the diskette and restart the computer.

2-2.2 Windows 98 Driver Installation

1. At the Add New Hardware Wizard windows, click on "**Next**".
2. Select the option "**Search for the best driver for your devices**" (**Recommend**), and click on "**Next**".
3. Select the option "**Specify the location**", insert the Driver Installation diskette in the floppy drive and type in **a:\win98** and click on "**Next**".
4. Click on "**Next**" and then "**Finish**" respectively.
5. Remove the diskette and restart the computer.

2-2.3 Windows NT 4.0 Driver Installation

1. Go to Start and Run.
2. Insert the Driver Installation diskette in the floppy drive and type in **a:\nt4\setup**, then click on "**OK**".
3. The "**Intek 21 PCI IO Welcome**" windows will appear. Click on "**Next**", and "**Next**" again.
4. From the next "**Setup Complete**" window, select "**Yes, I want to restart my computer now**" and click on "**Finish**".
5. Remove the diskette and restart the computer for the setup to take effect.

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Note: If you plan to connect a parallel device other than a printer such as zip drive, scanner etc to the port, please follow the next section to change the I/O address for the port to support the device.

To change the I/O address:

1. Go to **Start/Setting/Control Panel**, double - click on Itk PCI IO device icon.
2. Highlight the LPT address and click on setting.
3. Select or type in an I/O address supported by the device and click on **OK**. Make sure the selected I/O address does not conflict with other in your system.
4. Select **Restart Now** for the new setup to take effect.

2-2.4 DOS/Windows 3.x Driver Installation

1. Insert **Driver Installation** diskette in the floppy drive and from the **C:\>** prompt, type in: **copy a:\dos*. * and press <enter>**.
2. Type in: **edit autoexec.bat** and press **<Enter>**
3. Add **C:\ITK21adr.exe** at the bottom of the autoexec.bat file.
4. Go to file, save the changes and exit.
5. Remove the floppy diskette and restart the system for the new setup to take effect.

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