

## Introduction

This manual is applicable to Blastronix model 232/2S1P-PCI unit. Your unit was supplied with the 16C954 UARTs. The power-on defaults will cause it to look like standard 16C550 UARTs. The 16C550 is equipped with 16 byte transmit and receive FIFO's to help insure against loss of data and maximize hardware efficiency. The UARTs can be configured for 128 byte transmit and receive FIFO's. This can be done from within the windows program you are using. The unit is also equipped with an enhanced parallel port which conforms to the standard IBM parallel port pin-out.

## Hardware Installation

The unit is very simple to install. Simply install the unit into any available PCI slot. Start the computer. With Windows 95, 98, 2000 and XP applications, the system will recognize the presence of a new PCI device. When prompted install your CD in a drive and select the "have disk" option when the operation system is asking you where to look for the proper device driver.

## Software / Driver Installation for NT

The installation software expects the hardware to be physically installed before the software installation can be completed successfully. To install the software, copy the files to your hard drive to a folder of your choice. Double click on the install icon. The installer will find the card and make the necessary PCI assignments and modifications to the registry. Also click on the install icon for the parallel port to install the enhanced parallel port in an NT system. Be aware that in the NT system the parallel port may install as LPT 1 even if there is already a parallel port installed. The existing port would then be LPT 2.

## Interrupts and addresses

The installation and addresses are automatically assigned. This is not user controllable parameter. The user may influence the IRQ assignment by changing PCI slots or installing different cards in a different order. Machines with an AMI BIOS also give you the ability to influence the PCI selection to some extent. If you move a card to a different slot, you must run the un-installer and then run the installer again. (NT4 applications)

## High Speed Option Header

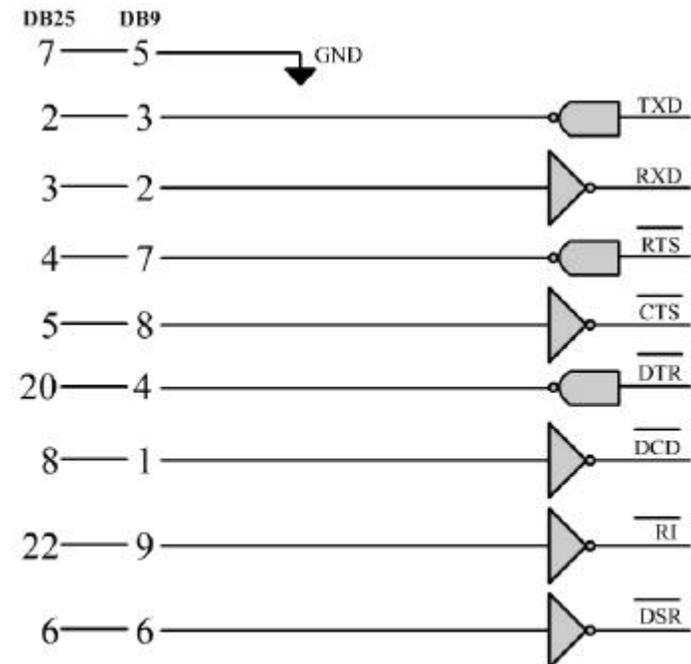
At the right side of the unit is the jumper option for high speed applications. The factory default will have the 115K option selected. This sets the top speed for the card at 115.2 K baud. All standard com drivers support this setting.

If you wish to use the higher speed setting simply move the jumper to the desired top speed. The other options are 230K baud 460K and 920K baud.

If you are not using a comm. driver that specifically supports these higher speeds then your actual speed will be a multiple of your selected speed. For example most comm. packages assume a top speed of 115.2K baud. 460K baud is four times this speed. If you set the jumper for 460K and use a standard comm. Driver to select your baud rate then your actual baud rate will be four times as fast.

## 232 Pin-Out

The pin-out for the unit is a standard DTE 9 pin, pin-out. This is the same pin-out that is found on the "on board" of all PC's



Schematic of serial interface (DTE)

## Parallel port Pin-Out

The parallel port uses the standard IBM pin out used by all standard parallel ports.

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**BLASTRONIX**

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**232/2S1P-PCI**

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**USER MANUAL**

**VERSION 1.0**