

# Blue Heat/PCI PTM

## Applications

Blue Heat/PCI Pass Through Mux (PTM) adapter offers two asynchronous RS-232 serial ports with Monitor Pass Through and Intercept Pass Through capabilities. In Monitor mode the Blue Heat/PCI PTM adapter allows you to monitor and pass through the data from a device connected to one serial port to a device connected to the other serial port. This pass through connection is maintained even if the power or software fails in the computer hosting the Blue Heat/PCI PTM, but without monitoring capabilities. In Intercept mode you can monitor, process and then pass through the data from a device connected to one serial port to a device connected to the other serial port. Once again this pass through connection is maintained even if the power or software fails, but without monitoring/processing capabilities. The Blue Heat/PCI PTM is an ideal industrial strength solution for applications requiring high-speed serial data collection and processing with data pass through, such as process monitoring/control, remote equipment configuration/programming and data logging.

## Features

- Two, asynchronous RS-232 serial ports.
- Supports data communications speeds up to 921 Kbps.
- A 16C2850 UART controls each port providing 128 bytes of Tx/D/RxD FIFO buffers.
- Independent port configuration with baud rates from 50 bps to 921 Kbps; data bits of 5, 6, 7 or 8; stop bits of 1, 1.5, or 2, and odd, even, or stick parity.
- Monitor Pass Through Mode: you can monitor and pass through data from a device on one serial port to a device on the other serial port. If power or software fails the serial port connections will default to direct pass through.
- Intercept Pass Through Mode: you can monitor, process and pass through data from a device on one serial port to a device on the other serial port. If power or software fails the serial port connections will default to direct pass through.
- Utilizes robust high quality Telecom DPDT relays to achieve direct pass through when power fails
- Onboard DB-9 connectors
- Easy installation comes with board, comprehensive manual and driver software. No DIP switches or jumpers to set – full Plug and Play.

## Benefits

### High Speed, High Performance Communications

Rapid data transfer rates up to 921 Kbps on all ports. A state of the art 16C2850 dual UART with 128 bytes of Tx/D and RxD FIFO buffers offloads interrupt handling and buffering from the main CPU, thus improving overall system performance.

### Hardware Reliability

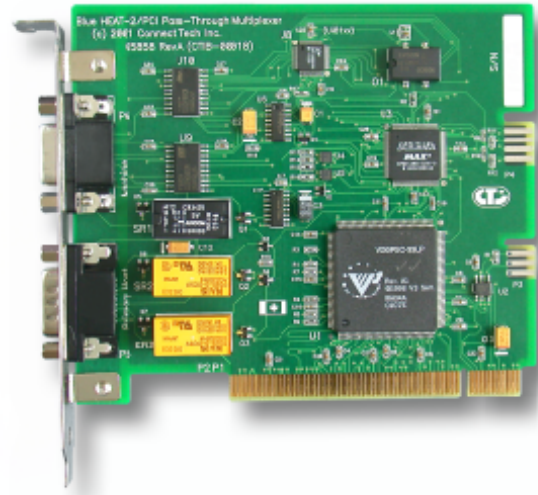
The Blue Heat/PCI PTM utilizes durable high quality Telecom relays to ensure that your hardware/software solution achieves a high degree of reliability in both Pass Through Modes.

### Hardware Flexibility

Blue Heat/PCI offers hardware flexibility and adaptability for your application. You can configure each port's electrical interface, baud rate, parity, data and stop bits independently.

### Software Compatibility

Blue Heat/PCI board offers compatibility with existing standard serial drivers for many of the most popular operating systems such as Windows NT/2000. This provides you with more software flexibility for your communication needs.



## Easy to Use

Blue Heat/PCI adapters come ready for simple installation with no DIP switches or jumpers to set. Included are board, driver software and a comprehensive manual.

## Warranty and Service

Connect Tech, an ISO 9001 registered company, has provided high performance communication solutions since 1985, building and testing products to meet high standards of quality and reliability. The Blue Heat/PCI PTM adapter comes with a one year warranty.

## Specifications

	Blue Heat-2/PCI PTM
Number of ports	2
Electrical Interface	RS-232
Connectors	One DB-9 male connector and one DB-9 female connector
Control Signals	DTR, DSR, RTS, CTS, Tx/D, RxD
Baud Rates	21 bps – 921 Kbps
I/O Addresses	Plug and Play resources require two 256 byte I/O spaces
Interrupts	Plug and Play resources require one interrupt
Memory Addresses	Plug and Play resources require a megabyte of memory address space
UART Type	16C2850 dual UART c/w 128 byte Tx/D/RxD FIFO buffers
Switching Mechanism	High reliability Telecom quality DPDT relays
Dimensions	Width: 10.70 cm Length: 12.60 cm Height: 1.50 cm Weight: 0.10 kg
Power Requirements	+5 VDC @ 360mA (typ) ±12 VDC @ 32mA (typ)
Environmental Requirements	Temperature: (operating) 0 to 70° C (storage) -65 to 150° C Humidity: 95% non-condensing
Bus	33 MHz, 32 bit PCI with read/write FIFO buffers
Software Compatibility	Windows NT/2000 (contact Connect Tech for most current list)
System Requirements	One available 32 bit PCI slot and PCI bracket assembly
<b>Part Numbers</b>	<b>Model</b>

*Please contact Connect Tech for more information about the Blue Heat/PCI PTM adapter*

## Trademarks

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## Quality and Reliability since 1985

