

# Blue Heat/PCI RJ-11

## Applications

Blue Heat/PCI RJ-11 adapter offers eight asynchronous RS-232 serial ports for data collection devices, barcode readers, time clocks, scales and other industrial automation equipment. The Blue Heat/PCI RJ-11 adapter is an ideal industrial strength solution for Point of Sale applications that require powered serial ports for magnetic card readers, barcode scanners, weigh scales, or other serial peripherals not requiring power.

## Features

- Eight asynchronous RS-232 serial ports
- Supports data communications speeds up to 1382.4 Kbps
- 16C654 UARTs control each port providing 64 bytes of Tx/D/RxD FIFO buffers
- Dual mode interrupt scheme: PCI and ISA modes with status register (for software that supports this feature), improves performance and compatibility
- Independent port configuration with baud rates from 21 bps to 1382.4 Kbps, data bits of 5, 6, 7 or 8; stop bits of 1, 1.5, or 2, and odd, even, or stick parity
- On board RJ-11 connectors for six ports and male DB-9 connectors/cables for two ports
- +5 VDC or +12 VDC power provided on the six RJ-11 ports (factory configured)
- Includes SeePORT, a full-featured Windows 95 software data analyzer
- Easy installation with no DIP switches or jumpers to set - full Plug and Play

## Benefits

### High Speed, High Performance Communications

Achieve rapid data transfer rates up to 1382.4 Kbps. State of the art 16C654 quad UARTs with 64 bytes of transmit and receive FIFO buffers offload interrupt handling and buffering from the main CPU, thus improving overall system performance.

### Hardware Flexibility

Blue Heat/PCI RJ-11 offers hardware flexibility and adaptability for your application. You can configure each port's baud rate, parity, data and stop bits independently. +5 VDC or +12 VDC power is provided on six ports for applications with peripherals requiring it. This eliminates the need for external power supplies for these peripherals.

### Software Compatibility

The Blue Heat/PCI RJ-11 board with its dual mode interrupt scheme offers compatibility with existing standard serial drivers for many of the most popular operating systems such as: Linux, QNX, SCO Unix, Solaris, Windows NT/2000 and Windows 95/98/Me/XP. This provides you with more software flexibility for your communication needs.

### Easy to Use

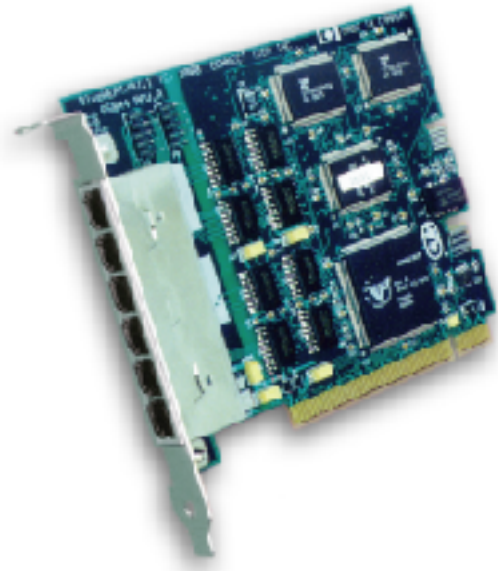
To get you up and running in no time, the Blue Heat/PCI RJ-11 adapter comes ready for simple installation with no DIP switches or jumpers to set. Included are board, cable assembly, driver software and a comprehensive manual.

### Diagnostics Tools

Blue Heat/PCI RJ-11 adapters include the Windows 95 software data line analyzer, SeePORT to help you diagnose communication problems and therefore minimize downtime.

### 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 RJ-11 adapter comes with a one year warranty.



## Specifications

	Blue Heat-8/PCI RJ-11
Number of ports	8
Electrical Interface	RS-232
Connectors	Ports 1 to 6: RJ-11 Ports 7, 8: DB-9 male connectors (optional cable)
Control Signals	Ports 1 to 6: Tx/D, Rx/D, DSR, RTS, +5 VDC or +12 VDC Ports 7, 8: DTR, DSR, RTS, CTS, RI, Tx/D, Rx/D, DCD
Baud Rates	21 bps – 1382.4 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	16C654 quad UARTs c/w 64 byte Tx/D/RxD FIFO buffers
Dimensions	Height: 10.50 cm Length: 12.25 cm Width: 1.50 cm Weight: 0.12 kg
Power Requirements	+5 VDC @ 400mA (typical) +/- 12 VDC @ 144mA (typical)
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
Regulatory Approvals	FCC Class A ICES-003; EN50082-1 EN55022 Class A EN 61000-4
Software Compatibility	Linux, QNX, SCO Unix, Solaris, Windows NT/2000 and Windows 95/98/Me/XP (contact Connect Tech for most current list)
System Requirements	One available 32 bit PCI slot and ISA bracket assembly
<b>Part Numbers</b>	<b>Model</b>
BH084000	Blue Heat-8/PCI RJ-11, 8 ports RS-232 with 6 RJ-11, no cables
BH084004	Blue Heat-8/PCI RJ-11, 8 ports RS-232 with 6 RJ-11, 2 DB-9 male cables

Please call Connect Tech for more information about the Blue Heat/PCI RJ-11



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