Blue Heat/PCI CL

Applications

The Blue Heat/PCI CL adapter offers eight asynchronous 20mA Current Loop serial ports that enable you to connect multiple terminals, printers, data collection devices, data output devices and other serial devices to PCI bus compatible computers. The Blue Heat/PCI CL adapter is an ideal industrial strength solution for communication, data acquisition, industrial automation, and scientific/instrumentation applications requiring robust multi-channel serial data collection and processing.

Features

- Eight asynchronous 20mA Current Loop serial ports
- Supports data communications speeds up to 57.6 Kbps
- Each port is optically isolated (passive mode only)
- 16C654 UARTs control each port providing 64 bytes of TxD/RxD FIFO buffers
- Independent port configuration with baud rates from 21 bps to 57.6 Kbps, data bits of 5, 6, 7 or 8; stop bits of 1, 1.5, or 2, and odd, even, or stick parity
- DB-9, DB-25 male cables, or DB-9 male connector box, or RJ-45 connector module available (custom cable solutions also offered)
- Includes SeePORT, a full-featured Windows 95/98 software data analyzer
- Easy installation comes with board, cable assembly, comprehensive manual and driver software - no DIP switches or jumpers to set - full Plug and Play

Benefits

High Performance Communications
Robust and rapid data transfer rates up to 57.6 Kbps on all ports makes the Blue Heat/PCI CL board an ideal solution for connecting 20mA peripherals to your computer system. State of the art 16C654 quad UARTs with 64 bytes of TxD and RxD FIFO buffers offload interrupt handling and buffering from the main CPU, thus improving overall system performance.

Hardware Flexibility
The Blue Heat/PCI CL offers hardware flexibility and adaptability for your application. You can configure each port's baud rate, parity, data and stop bits independently. The Blue Heat/PCI CL adapter offers various connector options to suit your needs.

Hardware Reliability
Each port is optically isolated when operating in passive mode. Protection against electrical disturbances means fewer failures, less downtime. This makes the Blue Heat/PCI CL an excellent choice for mission critical applications that require highly reliable and rugged serial communications.
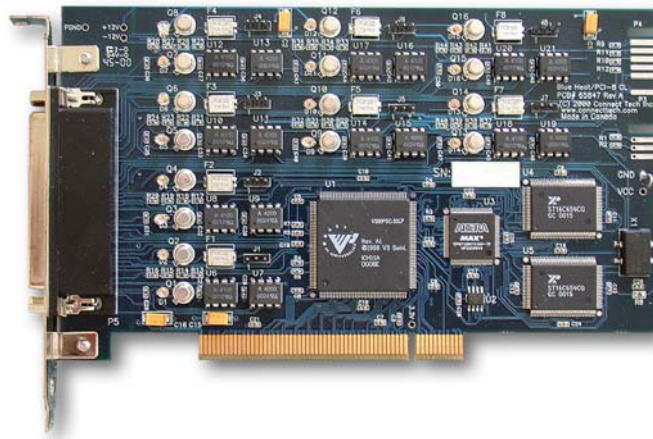
Software Compatibility
The Blue Heat/PCI CL adapter offers compatibility with existing standard serial drivers for many of the most popular operating systems such as: Linux, QNX, SCO Unix, Solaris, Windows NT/2000, Windows 95/98/Me/XP, and Windows XP Professional x64. This provides you with more software flexibility for your communication needs.

Easy to Use
The Blue Heat/PCI CL adapter comes ready for simple installation with no DIP switches to set. Included are board, cable assembly, driver software and a comprehensive manual.

Diagnostic Tools
The Blue Heat/PCI CL adapter includes the Windows 95/98 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 CL adapter comes with a lifetime warranty.

Specifications

	Blue Heat-8/PCI CL
Number of Ports	8
Electrical Interface	20mA Current Loop
Connectors (custom cable solutions also offered)	DB-9 male cable harness DB-25 male cable harness DB-9 male connector box RJ-45 module
Control Signals	TxD, RxD (passive or active)
Baud Rates	21 bps - 57.6 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 UART c/w 64 byte TxD/RxD FIFO buffers
Dimensions	Width: 10.50 cm Length: 18.00 cm Height: 1.50 cm Weight: 0.12 kg
Power Requirements	+5 VDC @ 375mA (typical) ±5% ±12 VDC @ 320mA (maximum) ±10% (can be operated with +12 VDC only to conserve power)
Environmental Requirements	Temperature: (operating) 5° to 70° C (storage) -65° to 150º C Humidity: 5 - 95% non-condensing
Bus	33 MHz, 32 bit PCI with read/write FIFO buffers
Regulatory Approvals	FCC Class A EN55022 Class A ICES-003; EN50082-2
Software Compatibility	Linux, QNX, SCO Unix, Solaris, Windows NT/2000, Windows 95/98/Me/XP, and Windows XP Professional x64 (contact Connect Tech for most current list)
System Requirements	One available 32 bit PCI slot and ISA bracket assembly

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

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Connect Tech Inc.

Quality and Reliability since 1985