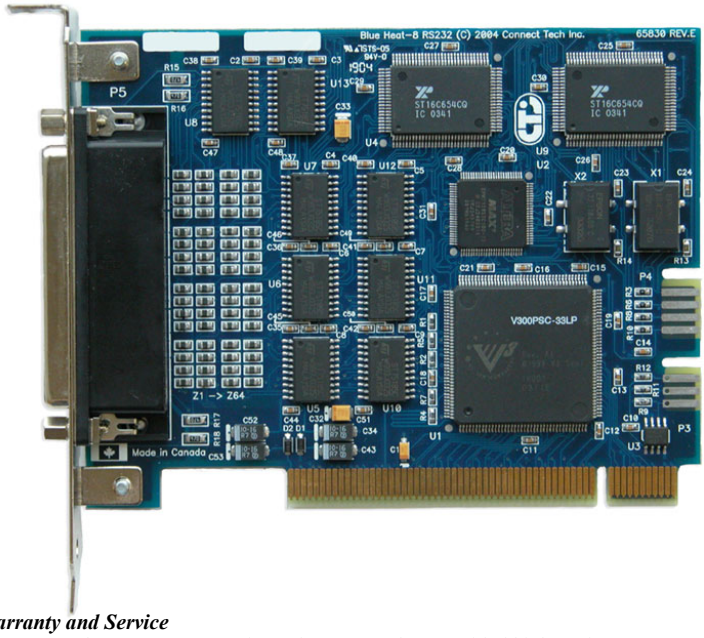
Blue Heat/PCI RS-232



Applications

Blue Heat/PCI RS-232 adapters offer two, four or eight asynchronous RS-232 serial ports that enable you to connect multiple terminals, modems, printers, data collection devices, barcode readers and other serial devices to PCI bus compatible computers. Blue Heat/PCI RS-232 adapters are ideal industrial strength solutions for communications, data acquisition, industrial automation, office automation, POS, and scientific/instrumentation applications requiring high-speed multi-channel serial data collection and processing.

Features

- Two, four or eight asynchronous RS-232 serial ports.
- Supports data communications speeds up to 1382.4 Kbps.
- 16C654 UARTs control each port providing 64 bytes of TxD/RxD FIFO buffers.
- Dual mode interrupt scheme: PCI and ISA modes with status register (for software that supports this feature) to improve 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.
- Full modem control on all ports.
- A choice of a DB-9 and DB-25 fan-out cable, DB-9 external connector box or RJ-45 module (custom connector solutions offered as well).
- Multi-strike surge suppression; IEC1000-4 compatible on all signals, all ports.
- Easy installation: includes board, cable assembly, 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 1382.4 Kbps on all ports make Blue Heat/PCI RS-232 boards ideal connections to high-speed modems or ISDN terminal adapters. State of the art 16C654 quad UARTs with 64 bytes of TxD and RxD FIFO buffers offload buffering from the main CPU while reducing interrupt frequency, thus improving overall system performance.

Hardware Reliability

Blue Heat/PCI RS-232 adapters provide IEC1000-4 compatible surge suppression on all signals, all ports. Protection against electrical disturbances, spikes and surges means fewer failures, less downtime.

Hardware Flexibility

Blue Heat/PCI RS-232 offers hardware flexibility and adaptability for your application. You can configure each port's baud rate, parity, data and stop bits independently. All ports have full modem control and Blue Heat/PCI RS-232 adapters offer various connector options to suit your needs.

Software Compatibility

Blue Heat/PCI RS-232 boards with its dual mode interrupt scheme offer compatibility with existing standard serial drivers for many of the most popular operating systems such as: Linux, QNX, SCO Unix, Solaris, Windows 95/98/CE/Me/XP and Windows NT/2000. This provides you with more software flexibility for your communication needs.

Easy to Use

Blue Heat/PCI RS-232 adapters come ready for simple installation with no DIP switches or jumpers to set. Included are board, cable assembly, 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. Blue Heat/PCI RS-232 adapters are covered by our excellent no cost customer support and a lifetime warranty.

Specifications

	Blue Heat/PCI RS-232		
Number of ports	2, 4, 8		
Electrical Interface	RS-232		
Connectors *(custom connector solutions also offered)*	*2 port model:* DB-9 male connectors *4 & 8 port models:* DB-9 or DB-25 fan-out cable *8 port models*: DB-9 external connector box RJ-45 module		
Control Signals	DTR, DSR, RTS, CTS, RI, TxD, RxD, 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 UART with 64 byte TxD/RxD FIFO buffers		
Surge Suppression	IEC1000-4 compatible on all signals, all ports		
Dimensions	Height: 9.68 cm / 3.81 in. Length: 12.66 cm / 4.98 in. (includes bracket) Width: 1.50 cm / 0.59 in.		
Power Requirements	*2 port model:* +5 VDC @ 240mA (typ) ±12 VDC @ 32mA (typ)	*4 port model:* +5 VDC @ 280mA (typ) ±12 VDC @ 57mA (typ)	*8 port model:* +5 VDC @ 400mA (typ) ±12 VDC @ 144mA (typ)
Environmental Requirements	Temperature: (operating) 0º to 70º C (storage) -65º to 150º C Humidity: 95% non-condensing		
Bus	32 bit 33 MHz PCI		
Regulatory Approvals	FCC Class A ICES-003 Class A EN50082-2 EN55022 Class A EN55024		
Software Compatibility	Linux, QNX, SCO Unix, Solaris, Windows 95/98/CE/Me/XP and Windows NT/2000 (contact Connect Tech for most current list)		
System Requirements	One available 32 bit PCI slot		

Please call for more information about our industrial strength communication products

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