BlueStorm/Express

Features

- PCI Express x1 lane serial card
- 2, 4, 8 or 16 ports
- Switchable RS-232/422/485
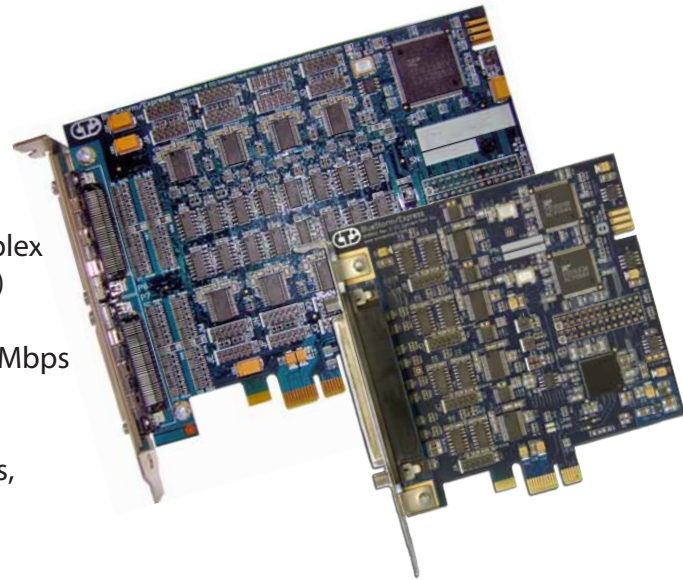- Supports full duplex (4 wire) with RTS/CTS flow control, half duplex (2 wire) with auto TxD echo cancellation and multi-drop (4 wire) modes in RS-422/485
- Bi-directional data speeds up to 921.6 Kbps (RS-232) and 1.843 Mbps (RS-422/485)
- Selectable for tri-state on power up in RS-422/485 mode
- Multi-strike surge suppression; IEC 1000-4 compatible all signals, all ports
- Operating temperature range of 0˚C to 70˚C
- RoHS compliant

Specifications

Number of Ports	2, 4, 8 or 16 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	DB-9 cables, DB-25 cables, DB-9 external I/O box
Control Signals	RS-232: TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 1.8432 Mbps (custom baud rates also available)
Interrupts	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources
UART Type	Dual UARTs with up to 64 bytes transmit and receive FIFO buffers for each port
Dimensions	*(2 and 4 port models)* Length: 10.86 cm/4.275" Height: 10.92 cm/4.300" *(8 and 16 port models)* Length: 14.699 cm/5.775" Height: 11.1125 cm/4.375"
Environmental	Operating Temperature: 0º C to 70º C (32º F to 158º F) Storage Temperature: -55º C to 105º C (-67º F to 221º F) Humidity: 5 to 95% non-condensing
Bus	PCI Express
Software Compatibility	Windows 2000/XP/XP x64/XPe/Server 2003/Server 2003 x64/CE/Vista, QNX 4.X/6.X, Linux
Surge Suppression	IEC 1000-4 compatible on all signals, all ports (optional)
System Requirements	One PCI Express x1 card edge
Power Requirements	+3.3V DC @ 400mA (typical)
Regulatory Approvals	FCC Class A EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024

The BlueStorm/Express family offers reliable, high speed data transfer for your PCI Express system.

These x1 lane, standard profile PCI Express serial cards offer 2, 4, 8 or 16 ports of RS-232/422/485 connectivity, compatible with any PCI Express slot.

Bidirectional data speeds up to 1.8432 Mbps (RS-422/485) ensure your data acquisition, office automation, POS, self-service kiosk or scientific/instrumentation applications communicate in a reliable, cost-effective manner.

BlueStorm/Express cards are compatible with x1, x4, x8 and x16 lane PCI Express slots. Upgrading a PCI system to the more efficeint PCI Express requires a hardware change only - your new PCI Express system is backwards compatible with your PCI software.