

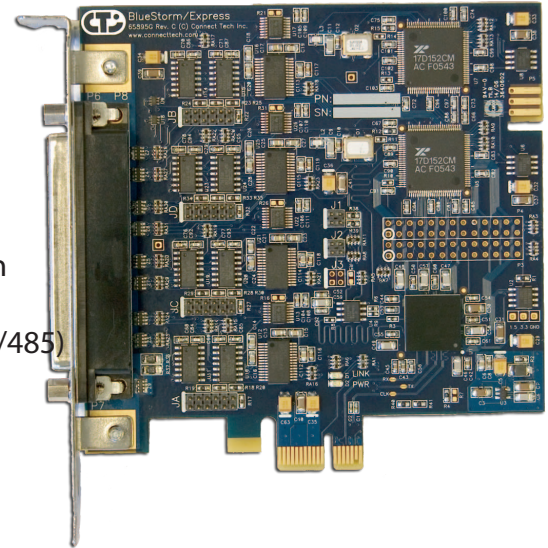
PCI Express

Serial Communications




BlueStorm/Express

Features

- PCI Express x1 Lane serial card
- Two or four 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
- Bidirectional data speeds 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 and 4
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	DB-9 male DB-37 female (custom cable solutions also available)
Control Signals	RS-232: TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-
Baud Rates	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 byte transmit and receive FIFO buffers for each port
Dimensions	Height: 10.92 cm/4.300" Length: 10.86 cm/4.275"
Power Requirements	+3.3V DC @ 400 mA (typical)
Environmental	Operating Temperature: 0° to 70° C (2 and 4 port models) Storage Temperature: -55° to 105° C Humidity: 5 to 95% non-condensing
Bus	PCI Express
Software Compatibility	Windows 2000/XP and NT, QNX, Linux 
Surge Suppression	IEC 1000-4 compatible on all signals, all ports (optional)
System Requirements	One PCI Express x1 card edge
Regulatory Approvals	FCC Class A   EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024

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

These x1 lane, standard profile PCI Express serial cards offer two or four 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.

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

The BlueStorm/Express is covered by a lifetime warranty and free technical support.



Connect Tech Inc.
Industrial Strength Communications

42 Arrow Road
Guelph, ON, Canada
N1K 1S6
www.connecttech.com

Phone: 1-519-836-1291
Toll free (in North America): 1-800-426-8979
Fax: 1-519-836-4878
Email: sales@connecttech.com