

# PCI Express






## Serial Communications

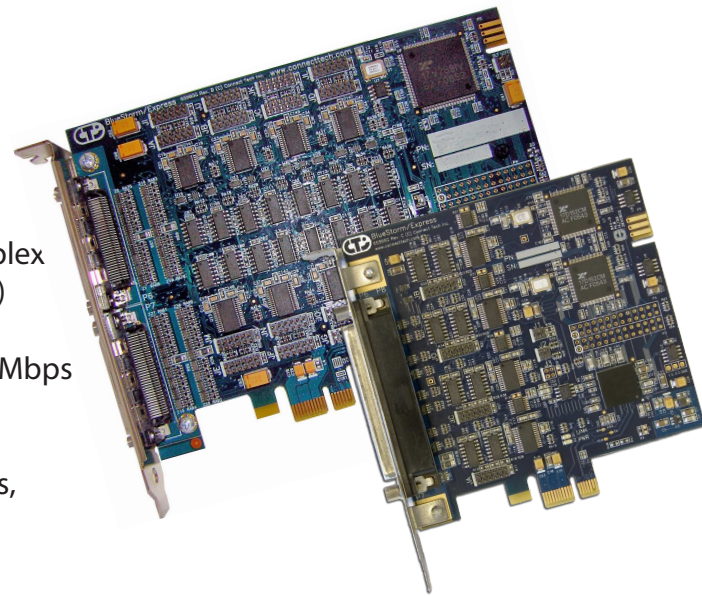
### BlueStorm/Express

#### 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

<b>Number of Ports</b>	2, 4, 8 or 16 ports
<b>Electrical Interface</b>	Hardware selectable RS-232/422/485
<b>Connectors</b>	DB-9 cables, DB-25 cables, DB-9 external I/O box
<b>Control Signals</b>	RS-232: TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-
<b>Baud Rate</b>	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 1.843 Mbps (custom baud rates also available)
<b>Interrupts</b>	Assigned by Plug and Play resources
<b>Memory Addresses</b>	Assigned by Plug and Play resources
<b>UART Type</b>	Dual UARTs with up to 64 bytes transmit and receive FIFO buffers for each port
<b>Dimensions</b>	(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"
<b>Environmental</b>	Operating Temperature: 0° C to 70° C (32° F to 158° F) Storage Temperature: -55° C to 105° C (-67° F to 221° F) Humidity: 5 to 95% non-condensing
<b>Bus</b>	PCI Express
<b>Software Compatibility</b>	Windows 2000/XP/XP x64/XPe/Server 2003/ Server 2003 x64/CE/Vista, QNX 4.X/6.X, Linux 
<b>Surge Suppression</b>	IEC 1000-4 compatible on all signals, all ports (optional)
<b>System Requirements</b>	One PCI Express x1 card edge
<b>Power Requirements</b>	+3.3V DC @ 400mA (typical)
<b>Regulatory Approvals</b>	FCC Class A  ICES-003 Class A  EN50082-2  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.

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.

BlueStorm/Express is covered by a Lifetime Warranty and free technical support.



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