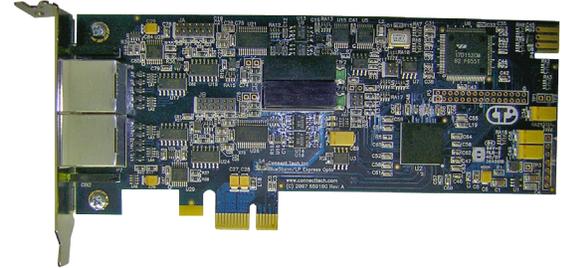**Connect Tech Inc.**

BlueStorm/Express LP Opto

An extension to the BlueStorm/Express product family, the BlueStorm/Express LP Opto offers a low profile solution (standard height bracket available) for your PCI Express applications. Dependability and high speed data transfer rates along with 3kV optical isolation protection make this PCI Express card ideal in environments where harsh conditions may disrupt communications.

Available with two ports of RS-232/422/485 connectivity, the BlueStorm/Express LP Opto is compatible with x1, x4, x8, x16 lane PCI Express slots. Experience faster data communications and more responsiveness while reducing the load on your network with bi-directional data speeds up to 1.8432 Mbps (RS-422/485).

All BlueStorm/Express LP Opto products are FCC/ICES-003 compliant and CE marked. Lifetime warranty and free technical support is also included.

Product Name: BlueStorm/Express LP Opto
Part Number: BCG001

FEATURES

✓ *PCI Express x1 Lane serial card*

✓ *2 ports individually optically isolated*

✓ *3kV optical isolation on all 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 1.8432 Mbps (RS-422/485)*

✓ *Selectable for tri-state on power up in RS-422/485 mode*

✓ *TX/RX LEDs*

Specifications	
Number of Ports	2
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	10 contact RJ-45, RJ-45 to DB-9 cables available
Control Signals	RS-232: TxD, RxD, RTS, CTS 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
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	**Length:** 15.7 cm/6.2" **Height:** 6.9 cm/2.7"
Temperature	Operating Temperature: 0º C to 70º C (32º F to 158º F) Storage Temperature: -40º C to 105º C (-40º F to 221º F) Humidity: 5 to 95% non-condensing
Bus	PCI Express
Software Compatibility	Windows 2000/CE/XP/XP x64/XPe/Server 2003/ Server 2003 x64/Vista, QNX 4.X/6.X and Linux
Optical Isolation	3kV optical isolation
System Requirements	Any available PCI Express slot
Power Requirements	200 mA @ 3.3V, 180 mA @ 12V
Regulatory Approvals	FCC Class A ICES-003 Class A
Warranty and Support	Lifetime warranty and free technical support

RoHS

Specifications subject to change without notice.

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