Connect Tech Inc.
Industrial Strength Communications

BlueStorm/Express Isolated

BlueStorm/Express Isolated is designed with the latest enhancements in isolation technology, providing the best protection for your PCI Express system. The integrated iCoupler® technology allows bidirectional signal transmission for seamless communication.
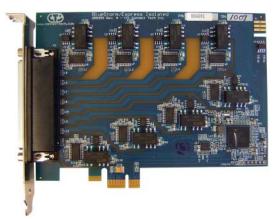
The flexibility of the BlueStorm/Express Isolated allows complete compatibility with a wide range of new and legacy serial devices, and offers the convenience of connecting up to 8 isolated serial devices to one PCI Express card. With up to 1Mbps data rate, and 2kV signal and power isolation port-to-port (3kV on-board), this PCI Express solution improves your workflow process and helps to protect your investment.

BlueStorm/Express Isolated is ideal for design engineers developing applications for the industrial, manufacturing and automation industries.

Product Name: BlueStorm/Express Isolated
Part Number: BDG001

FEATURES

✓ *Connect up to 8 isolated serial devices to one PCI Express card*

✓ *Modem control signals enable compatibility with serial devices*

✓ *Compatible in x1, x4, x8 or x16 lane standard profile PCI Express slot*

✓ *2kV signal and power isolation port to port (3kV on-board)*

Specifications	
Number of Ports	8
Electrical Interface	RS-232
Control Signals	TxD, RxD, DTR, RTS, CTS, DCD
Connectors	**Board connector:** DB-62 **Cable:** DB-62 to 8 x DB-9
Baud Rate	**RS-232:** Up to 1Mbps (17V358 UART allows for fully programmable, custom baud rates)
Optical Isolation	2kV isolation port-to-port through cable (3kV on-board)
UART Type	One Exar 17V358 octal UART with up to 256 bytes transmit and receive FIFO buffers for each port
Dimensions	**Length:** 14.699 cm/5.750" **Height:** 11.049 cm/4.350"
Temperature	-40º C to 85º C (-40º F to 185º F)
Bus	PCI Express
Software Compatibility	Windows, Linux, QNX
System Requirements	Any available x1, x4, x8 or x16 PCI Express slot
Power Consumption	0.6 amps @ 3.3V or 2W
Regulatory Approvals *(Pending)*	FCC Class A EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024
Warranty and Support	Lifetime warranty and free technical support

Connect Tech Inc.
42 Arrow Road, Guelph ON Canada
Tel: 519.836.1291 **Fax:** 519.836.4878
Toll: 800.426.8979 (North America)
Email: sales@connecttech.com
www.connecttech.com

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