

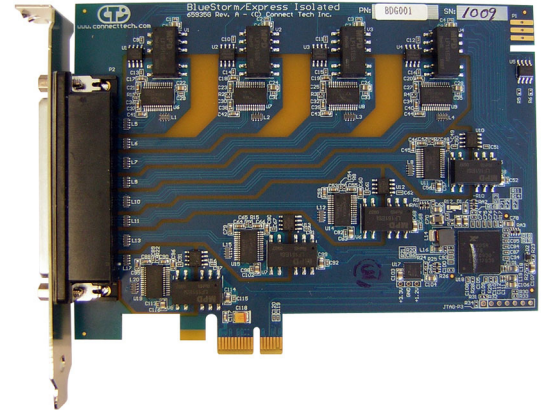
## BlueStorm/Express Isolated

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

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