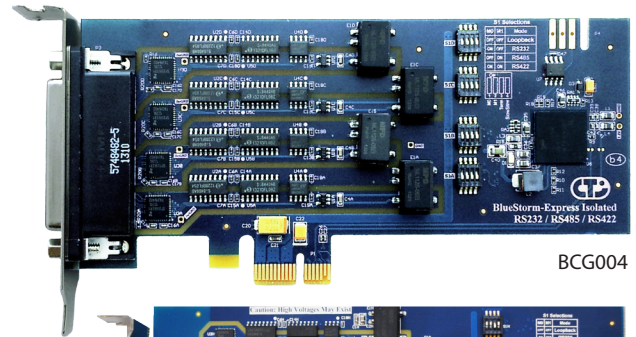


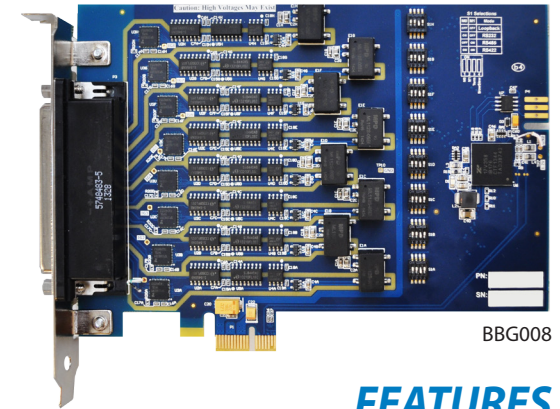
## BlueStorm/Express Isolated

An extension to the BlueStorm/Express product family, the BlueStorm/Express Isolated offers dependability and high speed data transfer rates along with 2kV isolation. This protection makes PCI Express cards ideal in environments where harsh conditions may disrupt communications.

Available with 4 or 8 ports of RS-232/422/485 connectivity, these BlueStorm/Express Isolated x1 lane cards are compatible with x1, x4, x8, x16 lane PCI Express slots. Bi-directional data speeds up to 7.8 Mbps (RS-422/485) ensure fast data acquisition and communications. Experience more responsiveness while reducing the load on your network.



BCG004



BBG008

## FEATURES

- ✓ PCI Express x1 Lane serial card
- ✓ 4 or 8 ports individually isolated
- ✓ 2kV isolation on all ports
- ✓ Switchable RS-232/422/485
- ✓ Supports full duplex (4 wire), 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 7.8 Mbps (RS-422/485)
- ✓ Port settings can be set up by software
- ✓ Slow Slew Rate capability
- ✓ Operating temperature range of -40°C to 85°C

### Specifications

Part	BCG004	BBG008
Number of Ports	4 ports	8 ports
Electrical Interface	Hardware or software selectable RS-232/422/485	Hardware or software selectable RS-232/422/485
Connectors	HDB-44	HDB-78
Control Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DCD, DSR, RI RS-422/485: TxD+/-, RxD+/-	RS-232: TxD, RxD, RTS, CTS, DTR, DCD, DSR RS-422/485: TxD+/-, RxD+/-
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 7.8Mbps Slow Slew Rate 250 Kbps	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 7.8Mbps Slow Slew Rate 250 Kbps
Interrupts	Assigned by Plug and Play resources	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources	Assigned by Plug and Play resources
UART Type	Quad UARTs with up to 256 byte transmit and receive FIFO buffers for each port	Octal UARTs with up to 256 byte transmit and receive FIFO buffers for each port
Dimensions	Length: 143 mm/5.6" Height: 69 mm/2.7" Low Profile	Length: 154 mm/6.1" Height: 111 mm/4.4" Standard Height
Environmental	Storage/Operating Temperature: -40° C to 85° C (-40° F to 185° F) Humidity: 5 to 95% non-condensing	Storage/Operating Temperature: -40° C to 85° C (-40° F to 185° F) Humidity: 5 to 95% non-condensing
Bus	PCI Express	PCI Express
Software Compatibility	Windows 2000/CE/XP x64/XPe/Server 2003/Server 2003 x64/Vista/QNX 4.X/6.X and Linux	Windows 2000/CE/XP x64/XPe/Server 2003/Server 2003 x64/Vista/QNX 4.X/6.X and Linux
Isolation	2kV isolation	2kV isolation
System Requirements	Any available PCI Express slot	Any available PCI Express slot
Power Requirements	150 mA @ 3.3V, 130 mA @ 12V	200 mA @ 3.3V, 230 mA @ 12V
Software Programmable Settings	RS-232/422/485, Slow Slew RS-422/485 Termination	RS-232/422/485

**RoHS**

Specifications subject to change without notice.  
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