

BlueStorm/Express LP

The BlueStorm/Express family offers reliable, high speed data transfer for your PCI Express system.

The BlueStorm/Express LP is a low profile x1 lane, PCI Express serial card offering eight ports of RS-232/422/485 connectivity, compatible with any PCI Express slot. Bi-directional data speeds up to 7.8 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.

BlueStorm/Express LP is 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.

Product Name: BlueStorm/Express LP
Part Number: BFG002



FEATURES

- ✓ *Low profile PCI Express x1 lane serial card*
- ✓ *8 ports switchable RS-232/422/485*
- ✓ *Bi-directional data speeds up to 1 Mbps (RS-232) and 7.8 Mbps (RS-422/485)*
- ✓ *Operating temperature range of 0°C to 70°C*

Specifications

Number of Ports	8
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	DB-9 cables, DB-25 cables, DB-9 external I/O box
Control Signals	RS-232: TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-
Baud Rate	RS-232: 50 bps to 1 Mbps RS-422/485: 50 bps to 7.8 Mbps (custom baud rates also available)
Interrupts	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources
UART Type	PCIe octal UART with up to 254 bytes transmit and receive FIFO buffers for each port
Dimensions	Length: 14.699 cm/5.787" Height: 6.891 cm/2.713"
Temperature	Operating Temperature: 0° C to 70° C (32° F to 158° F) Storage Temperature: -40° C to 105° C (-40° F to 221° F) Humidity: 5 to 95% non-condensing
Bus	PCI Express
Software Compatibility	Windows 2000/XP/XP x64/XPe/Server 2003/Server 2003 x64/CE/Vista, QNX 4.X/6.X, Linux
Surge Suppression	IEC 1000-4 compatible on all signals, all ports
System Requirements	One PCI Express x1 card edge
Power Requirements	+3.3V DC @ 675 mA max., 100 mA min.
Regulatory Approvals	FCC Class A, ICES-003 Class A
Warranty and Support	Lifetime warranty and free technical support