BlueStorm/Express Opto

Features

- PCI Express x1 Lane serial card
- Four ports individually optically isolated
- 3kV optical isolation on all ports
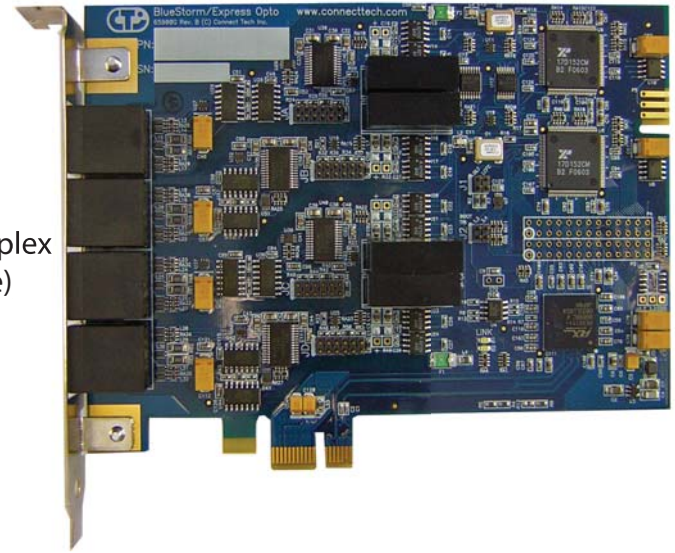- Switchable RS-232/422/485
- Supports full duplex (4 wire) with RTS/CTS flow control, half duplex (2 wire) with auto TxD echo cancellation and multi-drop (4 wire) modes in RS-422/485
- Bi-directional data speeds up to 1.843 Mbps (RS-422/485)
- Selectable for tri-state on power up in RS-422/485 mode
- Operating temperature range of 0˚C to 70˚C
- RoHS compliant

Specifications

Number of Ports	4 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	RJ-45 to DB-9 cables
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: 14.699 cm/5.775" Height: 11.049 cm/4.350"
Environmental	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 FC CE EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024

An extension to the BlueStorm/Express product family, the BlueStorm/Express Opto offers dependability and high speed data transfer rates along with 3kV optical isolation. This protection makes PCI Express Opto cards ideal in environments where harsh conditions may disrupt communications.

Available with four ports of RS-232/422/485 connectivity, these BlueStorm/Express Opto x1 lane cards are compatible with x1, x4, x8, x16 lane PCI Express slots.

Bi-directional data speeds up to 1.8432 Mbps (RS-422/485) ensure fast data aquisition and communications. Experience more responsiveness while reducing the load on your network.

All BlueStorm/Express Opto products are FCC certified and CE marked. Lifetime Warranty and free technical support is also included.

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