BlueStorm/SP Opto

Features

- 32-bit Universal PCI
- Four ports individually optically isolated
- 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
- 3kV optical isolation
- Operating temperature range of 0˚C to 70˚C
- Built for installation in a standard height chassis
- 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, SG (Signal Ground) RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-, SR (Signal Return)
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: 14.702 cm/5.788" Height: 10.605 cm/4.175"
Environmental	Operating Temperature: 0º C to 70º C (32º F to 158º F) Storage Temperature: -55º C to 105º C (-67º F to 221º F) Humidity: 5 to 95% non-condensing
Bus	32-bit Universal PCI
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	3.3V or 5V
Regulatory Approvals	FCC Class A FC CE EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024

The BlueStorm/SP Opto offers the added protection of optical isolatation for your critical applications. The BlueStorm/SP Opto is an extension of the BlueStorm product family and available as a standard profile card only.

Dependability, high speed data transfer rates and 3kV of optical isolation protection makes these cards ideal in environments where harsh conditions may disrupt communications.

Available with four ports of RS-232/422/485 connectivity, these BlueStorm/SP Opto cards are compatible with 3.3V and 5V PCI slots.

Bi-directional data speeds up to 1.8432 Mbps (RS-422/485) ensure fast data aquisition and communications.

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

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