

# BlueStorm/SP

Serial Communications

## BlueStorm/SP

### Features

- 32-bit Universal PCI
- Eight 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 1.8432 Mbps (RS-422/485)
- Selectable for tri-state on power up in RS-422/485 mode
- Multi-strike surge suppression on all ports
- Operating temperature range of 0°C to 70°C
- Built for installation in a standard height chassis
- RoHS compliant

### Specifications

<b>Number of Ports</b>	8 ports
<b>Electrical Interface</b>	Hardware selectable RS-232/422/485
<b>Connectors</b>	DB-9 fan out cable, DB-25 fan out cable, DB-9 external I/O box
<b>Control Signals</b>	RS-232: TxD, RxD, RTS, CTS, SG (Signal Ground), RI, DTR, DSR, DCD RS-422/485: TxD <sub>+/+</sub> , RxD <sub>+/+</sub> , RTS <sub>+/+</sub> , CTS <sub>+/+</sub> , SR (Signal Return)
<b>Baud Rate</b>	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 1.8432 Mbps
<b>Interrupts</b>	Assigned by Plug and Play resources
<b>Memory Addresses</b>	Assigned by Plug and Play resources
<b>UART Type</b>	Octal PCI UART with up to 64 byte transmit and receive FIFO buffers
<b>Dimensions</b>	Length: 14.702 cm/5.788" Height: 10.605 cm/4.175"
<b>Environmental</b>	Operating Temperature: 0° C to 70° C (32° F to 158° F) Storage Temperature: -55° C to 105° C (-67° F to 221° F) Humidity: 5 to 95% non-condensing
<b>Bus</b>	32-bit Universal PCI
<b>Software Compatibility</b>	Windows 2000/CE/XP/XP x64/XPe/Server 2003/ Server 2003 x64/Vista, QNX 4.X/6.X and Linux
<b>Surge Suppression</b>	Multi-strike surge suppression on all ports - 0.05J protection
<b>System Requirements</b>	Any available 3.3V or 5V PCI slot
<b>Power Requirements</b>	5V @ 875 mA max., 100 mA min.
<b>Regulatory Approvals</b>	FCC Class A   EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024



Connect Tech's standard profile BlueStorm/SP is the ideal choice for your PCI applications. Fully PCI 2.3 compliant, the BlueStorm/SP can be installed in any 3.3V or 5V system.

Available with eight ports, the BlueStorm/SP offers RS-232/422/485 connectivity and is jumper selectable on each individual port.

Dependability, high speed data transfer rates and multi-strike surge suppression make these cards ideal for many environments including; industrial or office automation, POS, scientific or instrumentation applications, to name a few.

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



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