

# 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<br>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<br>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"<br>Height: 10.605 cm/4.175"  |
| <b>Environmental</b>          | Operating Temperature: 0° C to 70° C (32° F to 158° F)<br>Storage Temperature: -55° C to 105° C (-67° F to 221° F)<br>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/<br>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>Regulatory Approvals</b>   | FCC Class A  EN50082-2<br>ICES-003 Class A EN 55022 Class A<br>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.



**Connect Tech Inc.**  
Industrial Strength Communications

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