

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

Number of Ports	8 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	DB-9 fan out cable, DB-25 fan out cable, DB-9 external I/O box
Control Signals	RS-232: TxD, RxD, RTS, CTS, SG (Signal Ground), RI, DTR, DSR, DCD 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	Octal PCI UART with up to 64 byte transmit and receive FIFO buffers
Dimensions	Length: 14.702 cm/5.788" Height: 10.605 cm/4.175"
Environmental	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
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 
Surge Suppression	Multi-strike surge suppression on all ports - 0.05J protection
System Requirements	Any available 3.3V or 5V PCI slot
Power Requirements	5V @ 875 mA max., 100 mA min.
Regulatory Approvals	FCC Class A  EN50082-2 ICES-003 Class A EN 55022 Class A EN 55024



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.