

# MIPort™ Universal PCI Cards

## One to Four Port RS-232/422/485 Cards

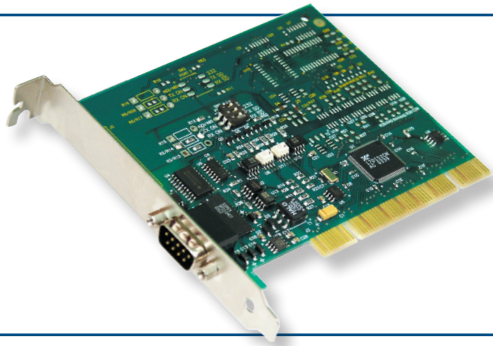
Models: 3PCIOU1, 3PCIOU2, 3PCIU2, 3PCIU4

**B+B SMARTWORX**

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### PRODUCT FEATURES

- Add 1, 2, or 4 Serial Ports to Your PC
- Optical Isolation (select models)
- RS-232/422/485 Selectable on Each Port
- 5 and 3.3 V PCI Bus Compatible
- PCI-X Compatible
- Data Rates Up to 460.8 Kbps

MIPort Universal PCI Cards suit most any application. Outputs are independently configurable for RS-232, RS-422, or RS-485. Optically isolated card models offer 2000 VDC port-to-port isolation.

Compare B+B SmartWorx cards to others – B+B's Premium Isolation Zone, along with optical couplers and our unique isolated DC-DC converter design, protect your PC from voltage surges and ground loops.

DB9M connectors offer positive thumbscrew locking - more robust than phone jack connectors. Four port model include fan-out cables. All models support data rates up to 460.8 kbps. MIPort cards are plug-and-play compatible and have adjustable FIFO trigger thresholds for input and output. RS-485 operation supports both 2-wire and 4-wire (full and half-duplex) and Automatic Send Data Control. All models include a comprehensive technical manual and CD ROM with drivers.

Whether your application is industrial monitoring and control, SCADA, point-of-sale, medical or security, MIPort Universal PCI Cards are your number one choice.

### ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION	CONNECTORS
<b>2kV Optical Isolation</b>		
3PCIOU1	1 x RS-232/422/485	DB9 M
3PCIOU2	2 x RS-232/422/485	
<b>Standard (non-isolated)</b>		
3PCIU2	2 x RS-232/422/485	DB9 M
3PCIU4	4 x RS-232/422/485	DB37 F (DB37 to 4 x DB9 M cable included)

### ACCESSORIES

- 9PAMF6 - DB9 Male To DB9 Female Cable, 6 ft. (1.8 m)
- 9SGF - DB9 Gender Reverser, changes male port to female (F to F)
- 9SGM - DB9 Gender Reverser, changes female port to male (M to M)

### SPECIFICATIONS

Operating Systems	Windows XP (32 bit/64 bit), Vista (32 bit /64 bit), Windows 7 (32 bit /64 bit), Server 2008 (32 bit /64 bit), Server 2008 R2 (64 bit)
Bus	PCI (33 MHz/32 bit)
Data Rate	Up to 460.8 kbps (RS-232/422/485)
UARTs	XR17D15X (16C550 compatible)
Buffer	64 byte FIFO buffer
Character Length	5, 6, 7, or 8 bits
Parity	Even, Odd, None, Space or Mark
Stop Bits	1, 1.5, or 2
Isolation (select models only)	2K V optical isolation. Ports are isolated from PC power, ground and other ports on the same card.
RS-232 Signals	TD, RD, and all handshake signals
RS-422 Signals	TDA(-), TDB(+), and GND
RS-485 Signals	Data A(-), Data B(+), and GND
Operating Temperature	32 to 122 °F (0 to 50 °C)
Operating Humidity	0 to 95% non-condensing
Dimensions, card edge	12.2 x 9.6 cm (4.8 x 3.8 in)
Mounting Bracket	1.2 x 12.1 x 0.9 cm (0.5 x 4.8 x 0.4 in)
Approvals	FCC, CE
MTBF	3PCIOU1 - 1291601 hours 3PCIOU2 - 823883 hours 3PCIU2 - 211565 hours 3PCIU4 - 1637664 hours

All product specifications are subject to change without notice.  
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