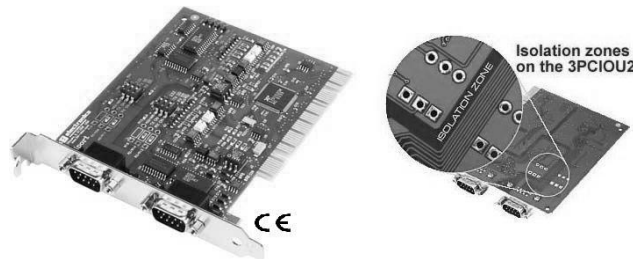**B&B ELECTRONICS**

PRODUCT INFORMATION

Universal PCI Cards
One to Eight Port RS-232/422/485 Cards
Standard and Optically Isolated
Models: 3PCIU2. 3PCIU4. 3PCIU8. 3PCIOU1. 3PCIOU2. and 3PCIOU4

✓ **Add 1, 2, 4 ,or 8 Serial Ports to your PC**

✓ **Optical Isolation Available**

✓ **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**

Isolation zones on the 3PCIOU2

CE

MIPORT™

MIPort ™ Universal PCI Cards suit most any application. Outputs are independently configurable for RS-232, RS-422, or RS-485. Optically isolated cards offer 2000 VDC port-to-port isolation. Compare B&B's 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 and eight port models include fan-out cables. The eight port model has four RS-232/422/485 and four RS-232 ports. Four port isolated model 3PCIOU4 has two RS-232/422/485 ports and two RS-422/485 ports. 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.

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Specifications

Operating Systems:	Windows XP, Windows 2008 Server (32/64 bit), Windows Vista (32/64 Bit), Windows 7 (32/64 Bit), Linux Kernel 2.6.x in the following distributions: Ubuntu 10.04 Desktop Edition (32/64 Bit) and Ubuntu 10.04 Server Edition (32/64 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:	2K V Optical. 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:	4.8 x 3.8 in (12.2 x 9.6 cm) Card Edge
Mounting Bracket:	0.5 x 4.8 x 0.4 in (1.2 x 12.1 x 0.9)
Approvals:	FCC, CE
Note:	**Isolated Models Only**
****Note:**	**Model 3PCIOU4 supports RS-232 TD, RD, RTS, CTS, and Ground only**

Ordering Information

Isolated Model	Ports	Connectors
3PCIOU1	1 RS-232/422/485	1 DB9 M
3PCIOU2	2 RS-232/422/485	2 DB9 M
3PCIOU4	2 RS-232/422/485 2 RS-422/485	2 DB9 M on card, 2 DB9 M on second exp slot (cable and bracket included
Standard		
3PCIU2	2 RS-232/422/485	DB9 M
3PCIU4	4 RS-232/422/485	DB37 F (DB37 to 4 x DB9 M cable included)
3PCIU8	4 RS-232/422/485 4 RS-232	DB78 F (DB78 to 8 x DB9 M cable included)

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