

3PCIOU2 shown

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

MIport Universal PCI Cards suit most any application. Output can be RS-232, RS-422, or RS-485. Use RS-422 to extend range. RS-485 to extend range and provide multi-drop ability.

**Optically Isolated Versions**

Optically isolated cards offer true 2000 VDC isolation and port-to-port isolation. Compare B&B Electronics cards to others – B&B’s premium Optical Isolation Zone along with optocouplers and our unique isolated DC-DC converter design protect your PCs from voltage surges and ground loops.

DB9M connectors offer positive thumbscrew locking, more robust than phone jack connectors. Four and eight port models include fanout 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 2 RS-422/485 ports. All models support baud rates up to 460.8 kbps. Windows 98, ME, NT4.0, 2000, XP and Linux supported.

**Benefits**

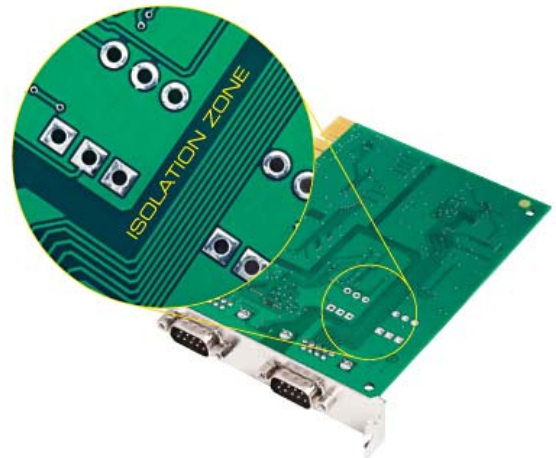
- Available in 1, 2, 4, or 8 ports
- Optically isolated and standard models
- Multi-interface: RS-232/422/485 selectable
- 5V and 3.3V PCI bus compatible
- PCI-X compatible
- Positive-connecting DB9M ports

**Applications**

- Industrial monitoring and control
- SCADA
- POS
- Medical
- Security

**Features**

- Plug and Play compatible – Windows sets the addresses and IRQ used
- Adjustable FIFO trigger thresholds for input and output
- RS-232/422/485 operation independently selectable for each port
- 2-wire or 4-wire RS-485 operation (half or full-duplex)
- Automatic Send Data Control for RS-485 operation
- Advanced driver function for COM port rename (COM 1 to Com 256)



Isolation Zone Detail on Model 3PCIOU2



**International Headquarters:** 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA  
 815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**European Headquarters:** Westlink Commercial Park Oranmore Co. Galway Ireland  
 +353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-europe.com](mailto:support@bb-europe.com)

**Specifications**

Bus: PCI bus (33MHz/32-bit), PCI Bus Specification 2.3 Compliant  
 Slot: Requires one PCI slot (3.3V or 5V signaling)  
 Baud rates: Up to 460.8K baud in RS-232/422/485  
 UARTs: xR17D15x (16C550 compatible), 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: 2000 VDC minimum isolation on all lines (*isolated models only*)  
*Ports are isolated from the PC power and ground as well as other ports on the same card.*  
 Connectors: DB9 male (fan-out cable used on 4 and 8 port models.)  
 Data Signals: RS-232: TD, RD, RTS, CTS, DTR, DSR, DCD, RI and GND  
 RS-232 (4 port isolated only) : TD, RD, RTS, CTS and GND  
 RS-422: TD(A)-, TD(B)+, RD(A)-, RD(B)+, and GND  
 RS-485: Data(A)-, Data(B)+, and GND  
 Environmental: Operating temperature range: 0° to 50° C (*minimum*)  
 Operating Humidity: 5 to 95%, Non-condensing  
 O/S Support: Windows 98, ME, NT 4.0, 2000, XP and Linux  
 Approvals: FCC, CE

**Ordering Information**

Model #:	Ports	Interface	Connector
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**Isolated**

<b>3PCIU1</b>	1	RS-232/422/485	DB9 male
<b>3PCIU2</b>	2	RS-232/422/485	DB9 male
<b>3PCIU4</b>	4	2 ports RS-232/422/485 2 ports RS-422/485	2x DB9 male on card 2x DB9 male use second expansion slot (ribbon cables and bracket included)

**Non-isolated**

<b>3PCIU2</b>	2	RS-232/422/485	DB9 male
<b>3PCIU4</b>	4	RS-232/422/485	DB37 female (includes DB37 to 4x DB9 male cable)
<b>3PCIU8</b>	8	4 ports RS-232/422/485 4 ports RS-232	DB78 female (includes DB78 to 8x DB9 male cable)



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