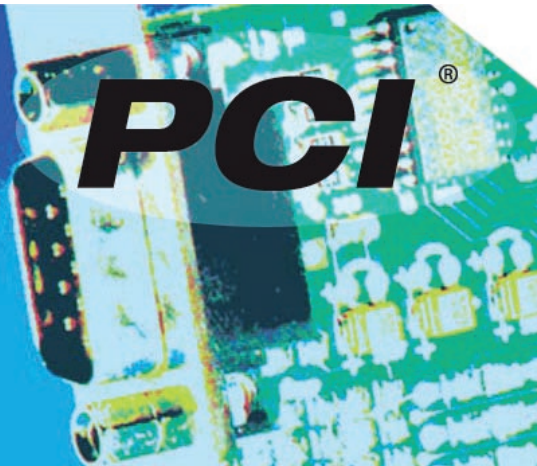


**RoHS Compliant**

**CC-368**

**PCI VELOCITY OPTO ISOLATED QUAD**

**"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"**



**Description**

This half size card provides four serial ports independently configurable as RS422 with and without hand-shaking, or RS485 full or half duplex, with opto isolation on all RS422/485 lines. The card has on-board zener diodes giving transient spike protection to the inputs, making these cards ideal for factory automation installations. The megabaud data transfer rates and the 64 byte deep FIFO, coupled with the RS485 Half Duplex Autogating guarantees uncompromising performance and fault-free use. The PCI RS422/485 Velocity card uses the 16750 UART, two generations beyond the industry standard 16550. The UART clock can be set through software to provide maximum baud rates of either 921,600 baud, 460,800 baud, 230,400 baud, or 115,200 baud (standard PC). Serial Solutions Device Driver CD contains software for

**Features**

- 4 port RS422/485
- PCI 2.3
- 64 Byte Tx and 64 Byte Rx FIFOs
- Up to 921,600 Baud
- DB9 connector (9 Pin Male)
- Drivers for all popular operating systems
- Sample Programs, Test & Terminal software
- Lifetime Support
- Lifetime Warranty (registration required)

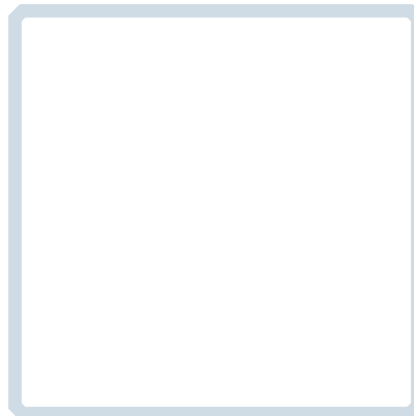
**Software**

Microsoft signed drivers (easy installation & robust operation) for:

- 
- 
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- 



As well as: full product documentation, a thorough troubleshooting guide and terminal software. Detailed sample source code for many popular programming languages. Further OS support on next page.



**Options**

CC-368:  
PCI VELOCITY OPTO  
ISOLATED QUAD  
RS422/485

**ORDER**

Description

PCI VELOCITY OPTO ISOLATED QUAD RS422/485

Code

CC-368

# PCI VELOCITY OPTO ISOLATED QUAD

CC-368 Full Specification

<p><b>Port</b></p> <table border="1"> <tr><td>Pin 1</td><td>TXD-</td></tr> <tr><td>Pin 2</td><td>TXD+</td></tr> <tr><td>Pin 3</td><td>RTS-</td></tr> <tr><td>Pin 4</td><td>RTS+</td></tr> <tr><td>Pin 5</td><td>GND</td></tr> <tr><td>Pin 6</td><td>RXD-</td></tr> <tr><td>Pin 7</td><td>RXD+</td></tr> <tr><td>Pin 8</td><td>CTS</td></tr> <tr><td>Pin 9</td><td>CTS+</td></tr> </table>  <p>RS422/485 Pinout (9 Pin)</p>	Pin 1	TXD-	Pin 2	TXD+	Pin 3	RTS-	Pin 4	RTS+	Pin 5	GND	Pin 6	RXD-	Pin 7	RXD+	Pin 8	CTS	Pin 9	CTS+	<p>Ports</p> <p>Connector</p> <p>FIFO size</p> <p>Operating Distance</p> <p>Cable</p>	<p>4 x RS422/485</p> <p>Connector DB9 -- 9 Pin Male</p> <p>64 RX FIFO + 64 TX FIFO</p> <p>RS422/485 Standard (4000 ft : 1200 metres)</p> <p>44 way D to: 4 x DB9</p>
Pin 1	TXD-																			
Pin 2	TXD+																			
Pin 3	RTS-																			
Pin 4	RTS+																			
Pin 5	GND																			
Pin 6	RXD-																			
Pin 7	RXD+																			
Pin 8	CTS																			
Pin 9	CTS+																			
<p><b>Port Settings</b></p> <p>921,600            baud</p>	<p>Baud Rate</p> <p>Data Bits</p> <p>Parity</p> <p>Stop Bits</p> <p>Flow Control</p> <p>Tx/Rx Modes</p>	<p>921,600</p> <p>5,6,7 or 8</p> <p>Odd, Even, None, Mark or Space</p> <p>1 or 2</p> <p>Full Duplex, Half Duplex Autogating, Hardware Autogating, TxD always/ RTS true enabled, RxD always enabled, RxD RTStrue disabled, CTS forced true</p>																		
<p><b>Interface</b></p> 	<p>OS Compatibility</p> <p>BUS</p>	<p>Microsoft Windows 7 32 bit &amp; 64 bit Editions          Windows Server 2008 32 bit &amp; 64 bit Editions          Windows Vista 32 bit &amp; 64 bit Editions          Windows Server 2003 32 bit &amp; 64 bit Editions          Windows XP 32 bit &amp; 64 bit Editions          Microsoft Windows ME          Microsoft Windows 2000</p> <p>PCI CC Range : Brainboxes range of PCI cards support 5V PCI slots and have been superseded by Brainboxes uPCI (universal Peripheral Component Interconnect) range. For every card in the CC range there is a matching card in the UC and PX range. If you still have a required for Brainboxes CC cards please get in touch.</p>																		
<p><b>Approvals</b></p>	<p>Industry Approvals</p> <p>Microsoft Approvals</p>	<p>Microsoft Certified Gold Partner TAA</p>																		
<p><b>General</b></p>	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>550mA @ 5V</p> <p>awaitingKg</p> <p>awaiting mm</p>																		
<p><b>Box Content</b></p>	<p>Packaging</p> <p>Card</p>	<p>Installation CD including manual, Microsoft signed drivers &amp; utilities</p> <p>PCI VELOCITY OPTO ISOLATED QUAD RS422/485</p> <p>44 way D to: 4 x DB9</p>																		
<p><b>Product Support</b></p> 	<p>Warranty</p> <p>Support</p>	<p>Lifetime (online registration required)</p> <p>Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team</p>																		
<p><b>Additional</b></p>	<p>OEM option</p>	<p>Available for bulk buy OEM</p>																		

Other Brainboxes Ranges: PCI Express | Bluetooth Serial Adapter | Ethernet to Serial Adapter | PCMCIA Serial Card | ExpressCard Serial Adapter | USB to Serial