

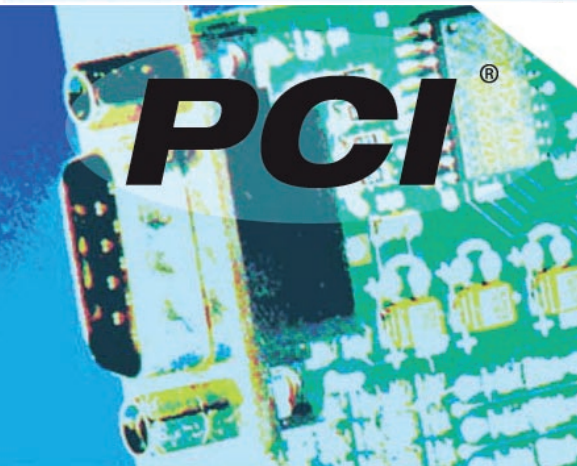
RoHS Compliant



# UC-313

uPCI 2xRS422/485 1MBaud

“SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS”



## Description

Universal PCI providing two RS422/485 serial ports with transient spike protection. Up to 921,600 data transfer rates and the 128 byte deep transmit and 128 byte receive FIFOs, coupled with 1Mbit/s line drivers deliver uncompromising performance on your PC.

Universal PCI is fully compatible with both 3.3Volt and 5Volt PCI slots.

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

## Features

- 2 port RS422/485
- PCI 3.0
- 128 Byte Tx and 128 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)

## Options



UC-313:  
uPCI 2xRS422/485  
1MBaud

## Software

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

- Windows Server 2008 & Windows 2000
- Windows Vista 32 bit and 64 bit editions
- Windows Server 2003 32 bit & 64 bit Editions
- Windows XP 32 bit & 64 bit editions



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.



## ORDER

Description  
uPCI 2xRS422/485 1MBaud

Code  
UC-313

For Optical Isolation see UC-310



## uPCI 2xRS422/485 1MBaud

### UC-313: 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>	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>2 x RS422/485</p> <p>DB9 connector (9 Pin Male)</p> <p>128 RX FIFO + 128 TX FIFO</p> <p>RS422/485 Standard (4000 ft : 1200 metres)</p> <p>No Cable; Integrated Connector</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, 1.5 or 2</p> <p>RTS/CTS DSR/DTR XON/XOFF</p> <p>Full Duplex, Half Duplex Autogating, Hardware Autogating, TxD always / RTS true enabled, RxD always enabled, RxD RTS true disabled, CTS forced true</p>																		
<p><b>Interface</b></p>	<p>OS Compatibility</p> <p>BUS</p>	<p>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 2000</p> <p>PCI 3.0 : Peripheral Component Interface</p>																		
<p><b>Approvals</b></p>	<p>Other Approvals</p> <p>Microsoft Approvals</p>	<p>WEEE RoHS EMC: CE</p> <p>Microsoft Certified Gold Partner          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</p>																		
<p><b>General</b></p>	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>190mA @ 5V, 12mA @ 12V</p> <p>0.081 Kg</p> <p>125x20x120 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>uPCI 2xRS422/485 1MBaud /          No Cable; Integrated Connector</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>Made In</p> <p>Customisable</p>	<p>Available for bulk buy OEM</p> <p>Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"</p> <p>Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: <a href="mailto:sales@brainboxes.com">sales@brainboxes.com</a></p>																		

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