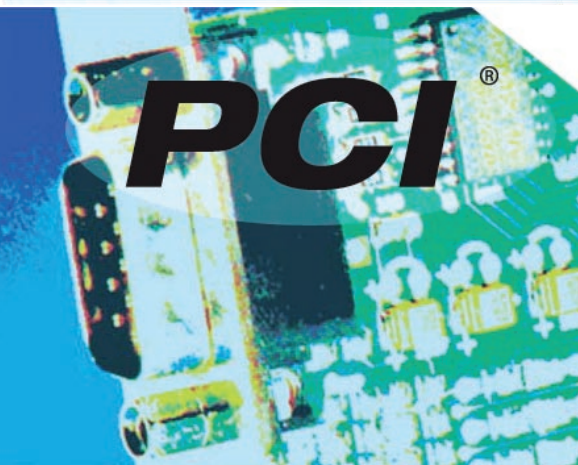


RoHS Compliant

UC-310

uPCI 2xRS422/485 1MBaud OPTO ISOLATED

“SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS”



Description

Universal PCI providing two Opto Isolated 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. The opto isolated on this card ensures that your card and PC are protected from any large voltage spikes which could occur on the RS422/485 lines.

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

Features

- 2 port Opto Isolated 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-310:
uPCI 2xRS422/485
1MBaud OPTO ISOLATED

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 OPTO ISOLATED

Code

UC-310

For Standard electrical protection see UC-313



uPCI 2xRS422/485 1MBaud OPTO ISOLATED

UC-310: Full Specification

<p>Port</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 Opto Isolated 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>Port Settings</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>Interface</p>	<p>OS Compatibility</p> <p>BUS</p>	<p>Windows Server 2008 32 bit & 64 bit Editions</p> <p>Windows Vista 32 bit & 64 bit Editions</p> <p>Windows Server 2003 32 bit & 64 bit Editions</p> <p>Windows XP 32 bit & 64 bit Editions</p> <p>Microsoft Windows 2000</p> <p>PCI 3.0 : Peripheral Component Interface</p>																		
<p>Approvals</p>	<p>Other Approvals</p> <p>Microsoft Approvals</p>	<p>WEEE RoHS EMC: CE</p> <p>Microsoft Certified Gold Partner</p> <p>Windows Server 2008 32 bit & 64 bit editions Windows Vista 32 bit & 64 bit editions</p> <p>Windows Server 2003 32 bit & 64 bit editions Windows XP 32 bit & 64 bit editions</p>																		
<p>General</p>	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>550mA @ 5V</p> <p>0.087 Kg</p> <p>125x20x120 mm</p>																		
<p>Box Content</p>	<p>Packaging</p> <p>Card</p>	<p>Installation CD including manual, Microsoft signed drivers & utilities</p> <p>uPCI 2xRS422/485 1MBaud OPTO ISOLATED /</p> <p>No Cable; Integrated Connector</p>																		
<p>Product Support</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>Additional</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: sales@brainboxes.com</p>																		