

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. Data transfer rates up to 921,600 baud rates and the 128 byte deep transmit and 128 byte receive FIFOs, coupled with 1Mbit/s line drivers deliver uncompromising performance on your PC. Includes drivers for all Windows 32 bit and 64 bit Operating Systems, including Windows 7.

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)

Software

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

- Windows 7 32 bit 64 bit Editions
- Windows Server 2008 32 bit 64 bit Editions
- Windows Vista 32 bit 64 bit editions
- Windows Server 2003 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.

Options



UC-313:
uPCI 2xRS422/485
1MBaud



ORDER

Description
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Code
UC-313



uPCI 2xRS422/485 1MBaud

UC-313 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> <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>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>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>Full Duplex, Half Duplex Autogating, Hardware Autogating, TxD always/ RTS true enabled, RxD always enabled, RxD RTStrue disabled, CTS forced true</p> | | | | | | | | | | | | | | | | | | |
| <p>Interface</p> | <p>OS Compatibility</p> <p>BUS</p> | <p>Microsoft Windows 7 32 bit 64 bit Editions Windows Server 2008 32 bit 64 bit Editions Windows Vista 32 bit 64 bit Editions Windows Server 2003 32 bit 64 bit Editions Windows XP 32 bit 64 bit Editions Microsoft Windows 2000 Microsoft Windows 98</p> <p>PCI : Universal PCI is fully compatible with both 3.3Volt and 5Volt PCI slots.</p> | | | | | | | | | | | | | | | | | | |
| <p>Approvals</p> | <p>Industry Approvals</p> <p>Microsoft Approvals</p> | <p>AEO C-TPAT C-Tick Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA</p> <p>Windows 7 32 bit 64 bit Editions Windows Server 2008 32 bit 64 bit editions Windows Vista 32 bit 64 bit editions 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>190mA @ 5V, 12mA @ 12V</p> <p>0.08 kg</p> <p>135l x 18w x 120h 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</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</p> | | | | | | | | | | | | | | | | | | |

Other PCI Cards: 1xRS232 | 2xRS232 | 4xRS232 | 8xRS232 | 1xRS422/485 | 2xRS422/485 | 4xRS422/485 | 8xRS422/485 | www.brainboxes.com

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