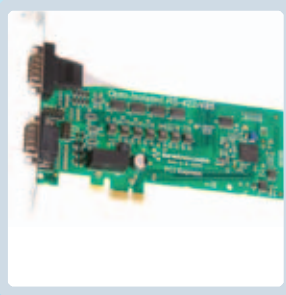


**RoHS Compliant**

**PX-310**

**PCIe 2xRS422/485 1MBaud Opto Isolated**

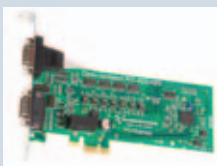
**"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"**



#### Features

- 2 port RS422/485
- PCI Express x1, x4, x8 x16 lane slots socket size
- 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



PX-310:  
PCIe 2xRS422/485  
1MBaud Opto Isolated

#### Description

PCI Express Card providing two opto isolated RS422/485 serial ports. 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. Optical isolation provides greater protection from electrical current surges to both the card itself and the PC. It improves noise immunity by isolating the PC from the cards transmit ground. Drivers for Windows 32 bit and 64 bit Operating Systems including Windows 2000, XP, Server 2003, Vista, Server 2008, Windows 7 and Windows 8.

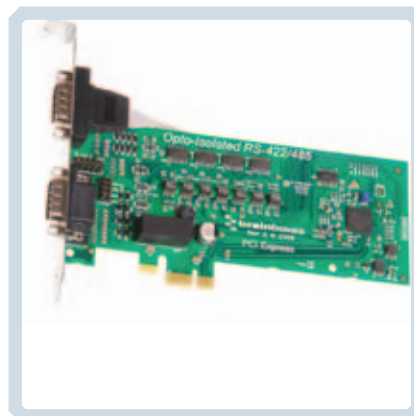
PCI Express is the latest standard in PC connectivity.

#### 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.



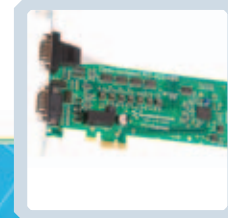
#### ORDER

Description

PCIe 2xRS422/485 1MBaud Opto Isolated

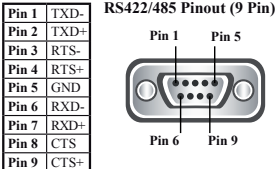
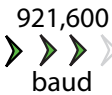
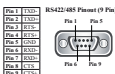


Code

PX-310



# PCIe 2xRS422/485 1MBaud Opto Isolated

## PX-310: Full Specification

|                                                                                                                   |                                                                                                                            |                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port</b><br><br>               | <b>Ports</b><br><br><b>Connector</b><br><b>FIFO size</b><br><b>Operating Distance</b><br><b>Cable</b>                      | 2 x RS422/485<br><br>DB9 Connector - 9 Pin Male<br><br>128 RX FIFO + 128 TX FIFO<br><br>RS422/485 Standard 4000 ft : 1200 metres<br><br>No Cable; Integrated Connector                                                                                                                                        |
| <b>Port Settings</b><br><br>     | <b>Baud Rate</b><br><br><b>Data Bits</b><br><b>Parity</b><br><b>Stop Bits</b><br><b>Flow Control</b><br><b>Tx/Rx Modes</b> | 921,600<br><br>5,6,7 or 8<br><br>Odd, Even, None, Mark or Space<br><br>1, 1.5 or 2<br><br>RTS/CTS, DSR/DTR, XON/XOFF<br><br>Full Duplex, Half Duplex Autogating                                                                                                                                               |
| <b>Interface</b><br><br>        | <b>OS Compatibility</b><br><br><br><br><br><br><br><br><br><b>BUS</b>                                                      | Microsoft Windows 8 32 bit 64 bit Editions<br>Microsoft Windows 7 32 bit 64 bit Editions<br>Windows Server 2008 32 bit 64 bit Editions<br>Windows Vista 32 bit 64 bit Editions<br>Windows Server 2003 32 bit 64 bit Editions<br><br>PCI Express x1, x4, x8 x16 lane slots                                     |
| <b>Approvals</b>                                                                                                  | <b>Other Approvals</b><br><br><b>Microsoft Approvals</b>                                                                   | AEO C-TPAT Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA<br><br>Windows 7 32 bit 64 bit Editions<br>Windows Server 2008 32 bit 64 bit editions<br>Windows Vista 32 bit 64 bit editions<br>Windows Server 2003 32 bit 64 bit editions<br>Windows XP 32 bit 64 bit editions                            |
| <b>General</b>                                                                                                    | <b>PCB Layers</b><br><br><b>Power Consumption</b><br><b>Weight</b><br><b>Size</b>                                          | 4<br><br>320mA @ 3.3V, 70mA @ 12V<br><br>0.083 kg<br><br>162l x 18w x 120h mm                                                                                                                                                                                                                                 |
| <b>Box Content</b>                                                                                                | <b>Packaging</b><br><br><b>Card</b>                                                                                        | Installation CD including manual, Microsoft signed drivers & utilities<br><br>PCIe 2xRS422/485 1MBaud Opto Isolated<br><br>No Cable; Integrated Connector                                                                                                                                                     |
| <b>Product Support</b><br><br> | <b>Warranty</b><br><br><b>Support</b>                                                                                      | Lifetime (online registration required)<br><br>Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team                                                                                                                              |
| <b>Additional</b><br><br>       | <b>OEM option</b><br><br><b>Made In</b><br><br><b>Customisable</b>                                                         | Available for bulk buy OEM<br><br>Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"<br><br>Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: <a href="mailto:sales@brainboxes.com">sales@brainboxes.com</a> |