

Product Datasheet - Technical Specifications



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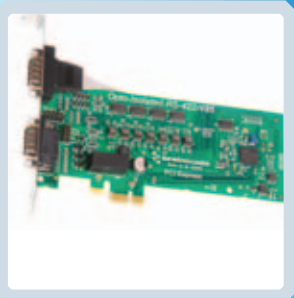
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PX-310

PCIe 2xRS422/485 1MBaud Opto Isolated

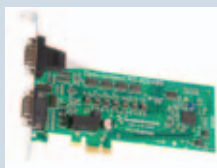
"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"



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.

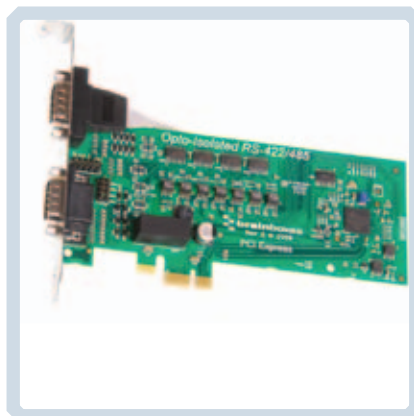
PCI Express is the latest standard in PC connectivity.

Software

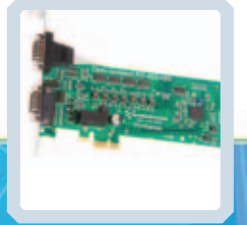
Microsoft signed drivers (easy installation & robust operation) for:

- 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.

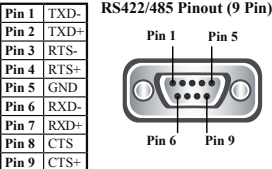

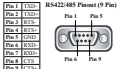




ORDER Description	Code
PCIe 2xRS422/485 1MBaud Opto Isolated	PX-310



PCIe 2xRS422/485 1MBaud Opto Isolated

PX-310: Full Specification

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