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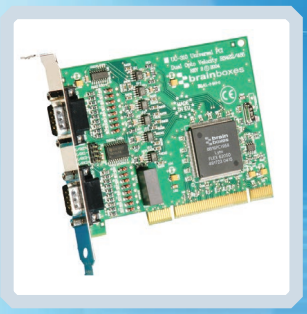
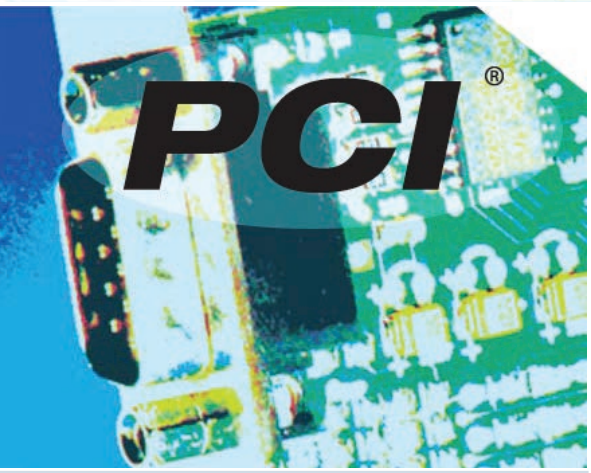
RoHS Compliant



UC-310

uPCI 2xRS422/485 1MBaud Opto Isolated

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"



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

Description

Universal PCI providing two Opto Isolated 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!

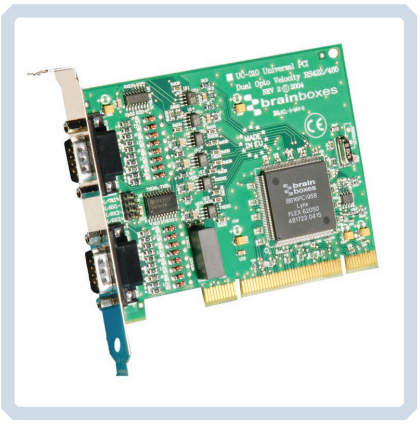
Software

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

64 Bit Driver

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.

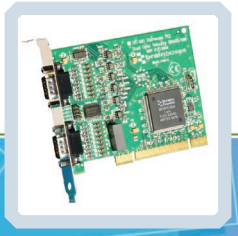


LIFETIME SUPPORT | LIFETIME WARRANTY

ORDER

Description	Code
uPCI 2xRS422/485 1MBaud Opto Isolated	UC-310

UC-310

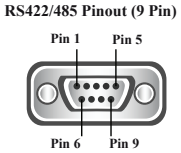


uPCI 2xRS422/485 1MBaud Opto Isolated

UC-310Full Specification

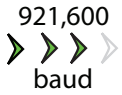
Port

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+



Ports	2 x RS422/485
Connector	DB9 Connector - 9 Pin Male
FIFO size	128 RX FIFO + 128 TX FIFO
Operating Distance	RS422/485 Standard 4000 ft : 1200 metres
Cable	No Cable; Integrated Connector

Port Settings



Baud Rate	921,600
Data Bits	5,6,7 or 8
Parity	Odd, Even, None, Mark or Space
Stop Bits	1, 1.5 or 2
Flow Control	
Tx/Rx Modes	Full Duplex, Half Duplex Autogating, Hardware Autogating, TxD always/ RTS true enabled, RxD always enabled, RxD RTStrue disabled, CTS forced true

Interface

PCI®

OS Compatibility	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 DOS
BUS	PCI : Universal PCI is fully compatible with both 3.3Volt and 5Volt PCI slots.

Approvals

Industry Approvals	AEO C-TPAT Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA
Microsoft Approvals	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	4
Power Consumption	550mA @ 5V
Weight	0.089 kg
Size	135l x 18w x 120h mm

Box Content

Packaging	Installation CD including manual, Microsoft signed drivers & utilities
Card	uPCI 2xRS422/485 1MBaud Opto Isolated No Cable; Integrated Connector

Product Support

Warranty	Lifetime (online registration required)
Support	Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team

Additional

Elektra 05 European Electronics Industry Awards WINNER Manufacturer of the Year

Made in the UK

OEM option	Available for bulk buy OEM
Made In	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"
Customisable	Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: sales@brainboxes.com

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