brainboxes
www.brainboxes.com

25th
1984~2009
Anniversary

EST 1984

nqa.
ISO 9001
Registered

nqa.
ISO 14001
Registered

Microsoft
GOLD CERTIFIED
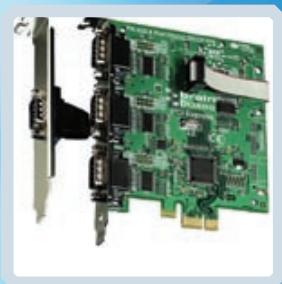Partner

NEW

RoHS Compliant

PX-420/ PX-431

PCIe 3+1xRS232 1MBaud

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"

PCI EXPRESS

Description

PCI Express Card providing four RS232 serial ports. Up to 921,600 data transfer rates and the 256 byte deep transmit and 256 byte receive FIFOS, coupled with 1Mbit/s line drivers deliver uncompromising performance on your PC.

PCI Express is the latest standard in PC connectivity.

With Brainboxes' industry renowned Lifetime Warranty and Lifetime Support! PX-420 - PCIe 4xRS232 1MBaud version; PX-431 - PCIe 3xRS232 1MBaud version.

Features

- 3+1 port RS232
- PCI Express x1, x4, x8 & x16 lane slots socket size
- 256 Byte Tx and 256 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
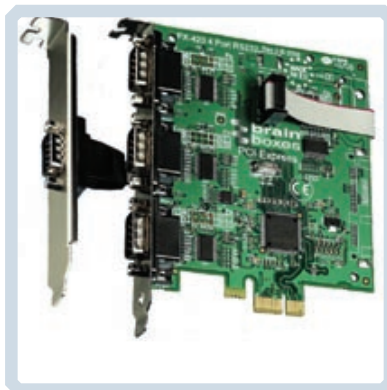- Lifetime Warranty (registration required)

Software

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

- Windows Server 2008 32 bit & 64 bit Editions
- Windows Vista 32 bit and 64 bit editions
- Windows Server 2003 32 bit & 64 bit Editions
- Windows XP 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.

Options

PX-420:
PCIe 3+1xRS232 1MBaud

PX-431:
PCIe 3xRS232 1MBaud

LIFETIME SUPPORT   LIFETIME WARRANTY

Designed for Microsoft Windows Server 2003

CERTIFIED FOR Windows Server 2008

CERTIFIED FOR Windows Vista

Designed for Microsoft Windows XP

Microsoft GOLD CERTIFIED Partner

MET c us

RoHS   CE

ORDER

Description	Code
PCIe 3+1xRS232 1MBaud	PX-420
PCIe 3xRS232 1MBaud	PX-431

+44(0) 151 220 2500 | sales@brainboxes.com | www.brainboxes.com

PCIe 3+1xRS232 1MBaud

PX-420/ PX-431: Full Specification

Port

RS232 Pinout (9 pin Male)

Pin 1	DCD
Pin 2	RXD
Pin 3	TXD
Pin 4	DTR
Pin 5	GND
Pin 6	DSR
Pin 7	RTS
Pin 8	CTS
Pin 9	RI

Ports	3+1 x RS232
Connector	DB9 connector (9 Pin Male)
FIFO size	256 RX FIFO + 256 TX FIFO
Operating Distance	EIA - RS232 Standard
Cable	1 PORT RS232 on fly lead

Port Settings

921,600 baud

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	RTS/CTS DSR/DTR XON/XOFF
Tx/Rx Modes	Point to Point

Interface

PCI EXPRESS

OS Compatibility	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
BUS	PCI Express x1, x4, x8 & x16 lane slots :

Approvals

Other Approvals	WEEE RoHS METL EMC: CE
Microsoft Approvals	Microsoft Certified Gold Partner 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	410mA @ 3.3V, 400mA @ 3.3V
Weight	0.079 Kg
Size	110x20x120 mm

Box Content

Packaging	Installation CD including manual, Microsoft signed drivers & utilities
Card	PCIe 3+1xRS232 1MBaud / PCIe 3xRS232 1MBaud
	1 PORT RS232 on fly lead

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

Datasheet Version: 3.79 Published on: 2009/8/25