Product Datasheet - Technical Specifications

More information in our Web-Shop at ▶ **www.meilhaus.com** and in our download section.

Your contact

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Downloads:
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brainboxes

RoHS Compliant

PX-324/PX-320

PCIe 1xRS422/485 1MBaud

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"

Description

PCI Express Card providing one RS422/485 serial port. 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. 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.

With Brainboxes' industry renowned Lifetime Warranty and Lifetime Support!

Features

- 1 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)

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

PX-324:
PCIe 1xRS422/485 1MBaud
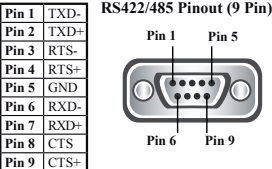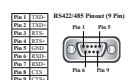
PX-320:
LP PCIe 1xRS422/485 1MBaud

ORDER

Description	Code
PCIe 1xRS422/485 1MBaud	PX-324
LP PCIe 1xRS422/485 1MBaud	PX-320

PCIe 1xRS422/485 1MBaud

PX-324/PX-320: Full Specification

Port

RS422/485 Pinout (9 Pin)

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+

Pin 1   Pin 5
Pin 6   Pin 9

Ports	1 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

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	Full Duplex, Half Duplex Autogating - Hardware Autogating

Interface

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

Approvals

Other 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	250mA @ 3.3V
Weight	0.052 kg
Size	106l x 18w x 120h mm

Box Content

Packaging	Installation CD including manual, Microsoft signed drivers & utilities
Card	PCIe 1xRS422/485 1MBaud 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 O5
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.