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Anniversary

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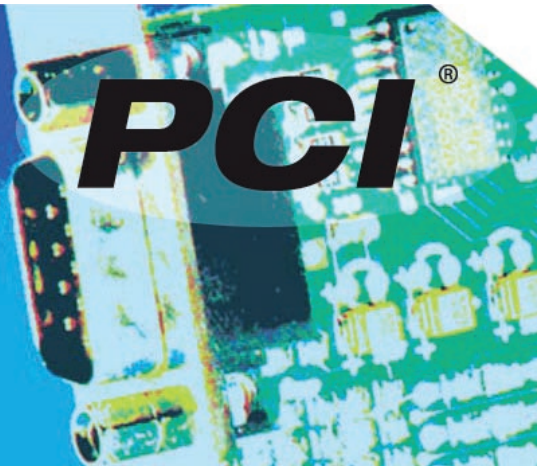
Microsoft
GOLD CERTIFIED
Partner

RoHS Compliant

CC-324

PCI 1 PORT VELOCITY RS422/485

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"

Features

- 1 port RS422/485

- PCI 2.3

- 64 Byte Tx and 64 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

CC-324:
PCI 1 PORT VELOCITY
RS422/485

Description

This half size card provides one serial port configurable as RS422 with and without hand-shaking, or RS485 full or half duplex. This card has on-board zener diodes giving transient spike protection to the inputs, making this card ideal for factory automation installations. The megabaud data transfer rates and the 64 byte deep FIFO, coupled with the RS485 Half Duplex Autogating guarantees uncompromising performance and fault-free use The PCI RS422/485 Velocity card uses the 16750 UART, two generations beyond the industry standard 16550. The UART clock can be set through software to provide maximum baud rates of either 921,600 baud, 460,800 baud, 230,400 baud, or 115,200 baud (standard PC).

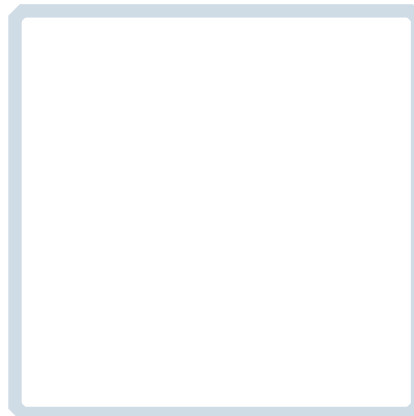Brainboxes range of PCI cards support 5V PCI slots and have been su-

Software

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

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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
PCI 1 PORT VELOCITY RS422/485	CC-324

PCI 1 PORT VELOCITY RS422/485

CC-324Full Specification

Port		
	Ports	1 x RS422/485
	Connector	Connector DB9 -- 9 Pin Male
	FIFO size	64 RX FIFO + 64 TX FIFO
	Operating Distance	RS422/485 Standard (4000 ft : 1200 metres)
	Cable	No Cable; Integrated Connector

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+

Port Settings		
	Baud Rate	921,600
	Data Bits	5,6,7 or 8
	Parity	Odd, Even, None, Mark or Space
	Stop Bits	1 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

921,600 baud

Interface		
	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 ME Microsoft Windows 2000
	BUS	PCI CC Range : Brainboxes range of PCI cards support 5V PCI slots and have been superceded by Brainboxes uPCI (universal Peripheral Component Interconnect) range. For every card in the CC range there is a matching card in the UC and PX range. If you still have a required for Brainboxes CC cards please get in touch.

PCI ®

Approvals		
	Industry Approvals	Microsoft Certified Gold Partner TAA
	Microsoft Approvals	

General		
	PCB Layers	4
	Power Consumption	awaiting
	Weight	awaitingKg
	Size	awaiting mm

Box Content		
	Packaging	Installation CD including manual, Microsoft signed drivers & utilities
	Card	PCI 1 PORT VELOCITY RS422/485 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		
	OEM option	Available for bulk buy OEM

Other Brainboxes Ranges: PCI Express | Bluetooth Serial Adapter | Ethernet to Serial Adapter | PCMCIA Serial Card | ExpressCard Serial Adapter | USB to Serial