

RoHS Compliant



VX-023

ExpressCard 1 Port RS422/485 1MBaud

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"



#### Description

ExpressCard providing one RS422/485 serial port. ExpressCard is 34mm wide and fits 34mm or 54mm slots. Data transfer rates up to 921,600 baud rates and the 128 byte deep transmit and 256 byte receive FIFOs coupled With 1Mbit/s line drivers deliver uncompromising performance on your laptop. Drivers for Windows 32 bit and 64 bit Operating Systems including Windows XP, Server 2003, Vista, Server 2008, Windows 7 and Windows 8.

Low cost competitive range utilising USB technology. The most popular method of adding extra serial ports to your laptop.

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

#### Software

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

- Windows 8 32 bit 64 bit Editions
- Windows 7 32 bit 64 bit Editions
- Windows Vista 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.

#### Features

- 1 port RS422/485
- USB 2.0
- 128Byte Tx and 256Byte 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



VX-023:  
ExpressCard 1 Port  
RS422/485 1MBaud



#### ORDER

Description

ExpressCard 1 Port RS422/485 1MBaud

Code

VX-023



## ExpressCard 1 Port RS422/485 1MBaud

### VX-023: Full Specification

<p><b>Port</b></p> <table border="1"> <tr><td>Pin 1</td><td>TXD-</td></tr> <tr><td>Pin 2</td><td>TXD+</td></tr> <tr><td>Pin 3</td><td>RTS-</td></tr> <tr><td>Pin 4</td><td>RTS+</td></tr> <tr><td>Pin 5</td><td>GND</td></tr> <tr><td>Pin 6</td><td>RXD-</td></tr> <tr><td>Pin 7</td><td>RXD+</td></tr> <tr><td>Pin 8</td><td>CTS</td></tr> <tr><td>Pin 9</td><td></td></tr> </table> <p>RS422/485 Pinout (9 Pin)</p> <p><b>Port Settings</b></p> <p>921,600            baud</p>	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		<p>Ports</p> <p>Connector</p> <p>FIFO size</p> <p>Operating Distance</p> <p>Cable</p>	<p>1 x RS422/485</p> <p>DB9 Connector - 9 Pin Male</p> <p>256 RX FIFO + 128 TX FIFO</p> <p>RS422/485 Standard 4000 ft : 1200 metres</p> <p>No Cable; Integrated Connector</p>
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																				
<p><b>Interface</b></p>	<p>Baud Rate</p> <p>Data Bits</p> <p>Parity</p> <p>Stop Bits</p> <p>Flow Control</p> <p>Tx/Rx Modes</p>	<p>921,600</p> <p>7 or 8</p> <p>Odd, Even, None, Mark or Space</p> <p>1 or 2</p> <p>Full Duplex, Half Duplex Autogating</p>																		
<p><b>Approvals</b></p>	<p>OS Compatibility</p> <p>BUS</p>	<p>Microsoft Windows 8 32 bit 64 bit Editions          Microsoft Windows 7 32 bit 64 bit Editions          Windows Vista 32 bit 64 bit Editions          Mac OS X</p> <p>USB 2.0</p>																		
<p><b>General</b></p>	<p>Other Approvals</p> <p>Microsoft Approvals</p>	<p>AEO C-TPAT C-Tick Microsoft Certified Gold Partner WEEE RoHS METL EMC: CE TAA</p> <p>Windows 7 32 bit 64 bit Editions          Windows Vista 32 bit 64 bit editions          Windows XP 32 bit 64 bit editions</p>																		
<p><b>Box Content</b></p>	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>80mA @ 3.3V</p> <p>0.03 kg</p> <p>101l x 38w x 20h mm</p>																		
<p><b>Product Support</b></p>	<p>Packaging</p> <p>Card</p>	<p>Installation CD including manual, Microsoft signed drivers &amp; utilities</p> <p>ExpressCard 1 Port RS422/485 1MBaud</p> <p>No Cable; Integrated Connector</p>																		
<p><b>Additional</b></p>	<p>Warranty</p> <p>Support</p>	<p>Lifetime (online registration required)</p> <p>Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team</p>																		
<p><b>OEM option</b></p> <p>Made In</p> <p>Customisable</p>	<p>OEM option</p> <p>Made In</p> <p>Customisable</p>	<p>Available for bulk buy OEM</p> <p>Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"</p> <p>Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: <a href="mailto:sales@brainboxes.com">sales@brainboxes.com</a></p>																		