

**RoHS Compliant**



**US-842**

**USB 8xRS422/485 1MBaud**

**"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"**



**Description**

USB to Serial providing 8 RS422/485 serial ports. Up to 921,600 data transfer rates and the 128 byte deep transmit and 384 byte receive FIFOs, coupled with 1Mbit line drivers deliver uncompromising performance on your laptop/PC.

USB to serial is the quick low cost way to connect your computer to a serial comms enabled device. Boost software gives industry leading functionality and compatibility.

These products do away with traditional issues with USB technology so you can buy with confidence!

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

**Features**

- 8 port RS422/485
- USB
- 128 Byte Tx and 384 Byte Rx FIFOs
- Up to 921,600 Baud
- 8xDB9 connector (9 Pin Male) Industrial high retention USB connector
- 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 and 64 bit editions
- Windows Vista 32 bit and 64 bit editions
- Windows XP 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**



US-842:  
USB 8xRS422/485  
1MBaud



**ORDER**

Description

USB 8xRS422/485 1MBaud  
USB Cable & Power Supply

Code

US-842



## USB 8xRS422/485 1MBaud

### US-842: 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>CTS+</td></tr> </table> <p>RS422/485 Pinout (9 pin)</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	CTS+	<p>Ports</p> <p>Connector</p> <p>FIFO size</p> <p>Operating Distance</p> <p>Cable</p>	<p>8 x RS422/485</p> <p>8xDB9 connector (9 Pin Male)</p> <p>384 RX FIFO + 128 TX FIFO</p> <p>RS422/485 Standard (4000 ft : 1200 metres)</p> <p>USB Cable</p> <p>(Powered via industrial locking connector with 5V 3A power adaptor - supplied)</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	CTS+																			
<p><b>Port Settings</b></p> <p>921,600 baud</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>RTS/CTS, DTR/DSR, XON/XOFF</p> <p>Point to Point</p>																		
<p><b>Interface</b></p>	<p>OS Compatibility</p> <p>BUS</p>	<p>Microsoft Windows 7 32bit &amp; 64bit Editions Windows Vista 32 bit &amp; 64 bit Editions Windows XP 32 bit &amp; 64 bit Editions</p> <p>USB :</p>																		
<p><b>Approvals</b></p>	<p>Other Approvals</p> <p>Microsoft Approvals</p>	<p>WEEE RoHS EMC: CE Microsoft Certified Gold Partner</p> <p>Microsoft Certified Gold Partner</p>																		
<p><b>General</b></p>	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>1mA@5V</p> <p>0.819 Kg</p> <p>215x55x122 mm</p>																		
<p><b>Box Content</b></p>	<p>Packaging</p> <p>Card</p>	<p>Installation CD (including manual, Microsoft signed drivers &amp; utilities)</p> <p>USB 8xRS422/485 1MBaud</p>																		
<p><b>Product Support</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>Additional</b></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>																		