

**RoHS Compliant**

# UC-357

## uPCI 1xRS232 + 1xRS422/485 1MBaud

“SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS”



### Description

Universal PCI providing one RS232 port and 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. Includes drivers for all Windows 32 bit and 64 bit Operating Systems, including Windows 7.

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

### Features

- 2 port RS232 + RS422/485
- PCI 3.0
- 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



UC-357:  
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1xRS422/485 1MBaud



### ORDER

Description

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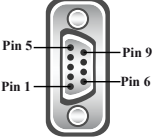





Code

UC-357



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### UC-357 Full Specification

<p><b>Port</b></p> <table border="1"> <thead> <tr> <th>RS422/485</th> <th>RS232</th> </tr> </thead> <tbody> <tr><td>Pin 1</td><td>TXD- DCD</td></tr> <tr><td>Pin 2</td><td>TXD+ RXD</td></tr> <tr><td>Pin 3</td><td>RTS- TXD</td></tr> <tr><td>Pin 4</td><td>RTS+ DTR</td></tr> <tr><td>Pin 5</td><td>GND GND</td></tr> <tr><td>Pin 6</td><td>RXD- DSR</td></tr> <tr><td>Pin 7</td><td>RXD+ RTS</td></tr> <tr><td>Pin 8</td><td>CTS CTS</td></tr> <tr><td>Pin 9</td><td>CTS- RI</td></tr> </tbody> </table> 	RS422/485	RS232	Pin 1	TXD- DCD	Pin 2	TXD+ RXD	Pin 3	RTS- TXD	Pin 4	RTS+ DTR	Pin 5	GND GND	Pin 6	RXD- DSR	Pin 7	RXD+ RTS	Pin 8	CTS CTS	Pin 9	CTS- RI	<p><b>Ports</b></p> <p>2 x RS232 + RS422/485</p> <p><b>Connector</b></p> <p>DB9 Connector - 9 Pin Male</p> <p><b>FIFO size</b></p> <p>128 RX FIFO + 128 TX FIFO</p> <p><b>Operating Distance</b></p> <p>RS422/485 Standard 4000 ft : 1200 metres / EIA - RS232 Standard</p> <p><b>Cable</b></p> <p>No Cable; Integrated Connector</p>	
RS422/485	RS232																					
Pin 1	TXD- DCD																					
Pin 2	TXD+ RXD																					
Pin 3	RTS- TXD																					
Pin 4	RTS+ DTR																					
Pin 5	GND GND																					
Pin 6	RXD- DSR																					
Pin 7	RXD+ RTS																					
Pin 8	CTS CTS																					
Pin 9	CTS- RI																					
<p><b>Port Settings</b></p> <p>921,600            baud</p>	<p><b>Baud Rate</b></p> <p>921,600</p> <p><b>Data Bits</b></p> <p>5,6,7 or 8</p> <p><b>Parity</b></p> <p>Odd, Even, None, Mark or Space</p> <p><b>Stop Bits</b></p> <p>1, 1.5 or 2</p> <p><b>Flow Control</b></p> <p></p> <p><b>Tx/Rx Modes</b></p> <p>Point to Point RS232, Full Duplex, Half Duplex Autogating, Hardware Autogating, TxD always/ RTS true enabled, RxD always enabled, RxD RTS true disabled, CTS forced true RS422/485</p>																					
<p><b>Interface</b></p> 	<p><b>OS Compatibility</b></p> <p>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 2000          DOS</p> <p><b>BUS</b></p> <p>PCI : Universal PCI is fully compatible with both 3.3Volt and 5Volt PCI slots.</p>																					
<p><b>Approvals</b></p>	<p><b>Industry Approvals</b></p> <p>AEO C-TPAT C-Tick Microsoft Certified Gold Partner WEEE RoHS EMC: CE TAA</p> <p><b>Microsoft Approvals</b></p> <p>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</p>																					
<p><b>General</b></p>	<p><b>PCB Layers</b></p> <p>4</p> <p><b>Power Consumption</b></p> <p>550mA @ 5V</p> <p><b>Weight</b></p> <p>0.08 kg</p> <p><b>Size</b></p> <p>136l x 18w x 120h mm</p>																					
<p><b>Box Content</b></p>	<p><b>Packaging</b></p> <p>Installation CD including manual, Microsoft signed drivers &amp; utilities</p> <p><b>Card</b></p> <p>uPCI 1xRS232 + 1xRS422/485 1MBaud</p> <p>No Cable; Integrated Connector</p>																					
<p><b>Product Support</b></p> 	<p><b>Warranty</b></p> <p>Lifetime (online registration required)</p> <p><b>Support</b></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><b>OEM option</b></p> <p>Available for bulk buy OEM</p> <p><b>Made In</b></p> <p>Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"</p> <p><b>Customisable</b></p> <p>Brainboxes operate a "Perfect Fit Custom Design" policy for volume</p>																					

Other PCI Cards: 1xRS232 | 2xRS232 | 4xRS232 | 8xRS232 | 1xRS422/485 | 2xRS422/485 | 4xRS422/485 | [www.brainboxes.com](http://www.brainboxes.com)

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