



## **Brainboxes UC-357 Universal PCI 1 X RS422 485 Port 1 X RS232 Port**



Half size PCI card providing 1 RS232 serial port and 1 RS422/485 serial port both with 9 pin D connectors. The RS422/485 port has on board zener diodes offer transient spike protection and Autogating for hassle free half duplex operations in any operating system. Both ports have megabaud data transfer rates and 128 byte deep FIFOs, guaranteeing uncompromising performance and fault-free use. The PCI RS232 and RS422/485 Velocity card uses the 16750 UART which is in 2 generations beyond the industry standard 16C550 UART. 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).

The UC-357 uses Brainboxes new industry leading UART BB16PCI958 and supports both 3.3V / 5V standards. Increasingly, modern PCs are coming with 3.3V PCI slots. The change from 5V to 3.3V signalling on the PCI bus is a result of the technical advances made by leading PC manufacturers to increase system speed. Many new PC systems no longer use 5V signalling on the PCI bus, and 5V-only PCI cards cannot be used in these PCs. As part of our continued commitment to designing and manufacturing leading edge serial RS232 technology, we now offer the Universal PCI range that can work in both 5V and 3.3V signalling environments. This allows new and existing customers to have an easy migration path to this new technology.

<b>Serial Ports</b>	1 x RS422/485 + 1 x RS232
<b>Software Included</b>	Serial Solutions Device Driver CD contains software for Windows Server 2003, Windows XP, Windows 2000, Windows Millennium, Windows 98, Windows 95, Windows NT4 and Linux support. Windows Server 2003, Windows XP and Windows 2000 signed drivers.
<b>Operating Systems Supported</b>	Windows Server 2003, Windows XP, Windows 2000, Windows Millennium, Windows 98, Windows 95, Windows NT4 and Linux support
<b>Dimensions</b>	9.3cm (W) x 12.0cm (D) - Weight 0.097kg

## **Features**

- \* On-board zener diodes offer transient spike protection
- \* On board terminating resistors with full fail-safe open / short circuit protection
- \* Sample Programs, Test & Terminal software - all with source code
- \* Full PCI Bus - Plug & Play
- \* Up to 128byte transmit and receive FIFO
- \* Greater control of FIFO trigger levels, and readable FIFO levels for improved transfer efficiency



memory express  
020 8453 9700

Memory Express Ltd  
51 Park Royal Road,  
London,  
NW10 7LQ

Tel: 020 8453 9700  
Web: [www.memory-express.co.uk](http://www.memory-express.co.uk)  
Email: [sales@memory-express.co.uk](mailto:sales@memory-express.co.uk)



## Brainboxes UC-357 Universal PCI 1 X RS422 485 Port 1 X RS232 Port



- \* Drivers for all popular operating systems
- \* Supports both 3.3V / 5V standards
- \* PCI 2.3 Compliant
- \* RS422/485 Options: RS422: Automatic CTS/RTS flow control, software enabled RS485 - Automatic Hardware half duplex RS485 Gating 485 FEATURES: RxD-/TxD- multiplex jumpers  
Wiring Schemes: One talker, many listeners Many talkers/listeners full dup

## Specification

### General

Half size PCI card providing 1 RS232 serial port and 1 RS422/485 serial port both with 9 pin D connectors. The RS422/485 port has on board zener diodes offer transient spike protection and Autogating for hassle free half duplex operations in any operating system. Both ports have megabaud data transfer rates and 128 byte deep FIFOs, guaranteeing uncompromising performance and fault-free use. The PCI RS232 and RS422/485 Velocity card uses the 16750 UART which is in 2 generations beyond the industry standard 16C550 UART. 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).

The UC-357 uses Brainboxes new industry leading UART BB16PCI958 and supports both 3.3V / 5V standards. Increasingly, modern PCs are coming with 3.3V PCI slots. The change from 5V to 3.3V signalling on the PCI bus is a result of the technical advances made by leading PC manufacturers to increase system speed. Many new PC systems no longer use 5V signalling on the PCI bus, and 5V-only PCI cards cannot be used in these PCs. As part of our continued commitment to designing and manufacturing leading edge serial RS232 technology, we now offer the Universal PCI range that can work in both 5V and 3.3V signalling environments. This allows new and existing customers to have an easy migration path to this new technology.

### Chipset Emulation

UART 16750+

### Communications

Baud Rate Up to 921.6 Kbps  
Protection +ve spikes >12V -ve spikes > 6.8V  
Data Bits 5, 6, 7, 8



memory express  
020 8453 9700

Memory Express Ltd  
51 Park Royal Road,  
London,  
NW10 7LQ

Tel: 020 8453 9700  
Web: [www.memory-express.co.uk](http://www.memory-express.co.uk)  
Email: [sales@memory-express.co.uk](mailto:sales@memory-express.co.uk)



## Brainboxes UC-357 Universal PCI 1 X RS422 485 Port 1 X RS232 Port



### Stop Bits

1 or 2

### Parity

Odd, even, none, mark or space

### Interfaces Ports

#### Serial Ports

1 x RS422/485 + 1 x RS232

### Electrical

#### Power Consumption

550mA @ 5V

### System

#### Software Included

Serial Solutions Device Driver CD contains software for Windows Server 2003, Windows XP, Windows 2000, Windows Millennium, Windows 98, Windows 95, Windows NT4 and Linux support. Windows Server 2003, Windows XP and Windows 2000 signed drivers.

### System Requirements

#### Operating Systems Supported

Windows Server 2003, Windows XP, Windows 2000, Windows Millennium, Windows 98, Windows 95, Windows NT4 and Linux support

### Physical

#### Dimensions

9.3cm (W) x 12.0cm (D) - Weight 0.097kg



**memory express**  
020 8453 9700

Memory Express Ltd  
51 Park Royal Road,  
London,  
NW10 7LQ

Tel: 020 8453 9700  
Web: [www.memory-express.co.uk](http://www.memory-express.co.uk)  
Email: [sales@memory-express.co.uk](mailto:sales@memory-express.co.uk)



## **Brainboxes UC-357 Universal PCI 1 X RS422 485 Port 1 X RS232 Port**



### **About Memory Express**

Although we started out selling just Memory the best part of fifteen years ago, we have diversified organically over the years at the request of our customers. We specialise in Networking, Storage and Disaster Recovery and have the knowledge, experience and strategic partnerships to provide you with the service and value you demand - quality products, reasonably priced and delivered on time.

Memory Express can offer you a full range of installation and configuration services for hardware and software as well as detailed, accurate advice on all aspects of your IT projects. You'll be glad to know that we don't have a room full of school leavers trying to sell products they don't understand - all our staff are seasoned IT specialists and have an average length of service of over ten years. We won't just push you towards the solution we feel like selling; we'll help you to find the one you need.

Meanwhile, online, we offer one of the largest product ranges of any UK IT supplier. Showing near live stock, in depth product information and keen pricing, we're sure you'll find what you need. We also have matched memory upgrades for over 50,000 models of computer, server, printer, phone and camera, guaranteeing you the right memory, first time. All this is backed up by the same great service you'd expect when dealing with us over the phone. For our regular business customers, we provide T3, our corporate purchasing portal which provides a truly corporate focused buying experience.

We're conveniently located in Park Royal, London's Technology Business Park, allowing us to reach all areas of the UK quickly and efficiently. Many of our City based corporate clients benefit from same day delivery and we can offer next day delivery to established customers throughout the British Isles. Online delivery tracking and status information means that you need not worry about the whereabouts of your order.

We're proud to have built up a wide variety of partnerships with quality vendors and many of our staff hold certifications from top tier manufacturers including Microsoft, Acronis, Symantec and VMWare.

Our clients vary in size from SMEs to many of the UK's largest corporates, government departments, schools and universities, and we're pleased to say that most have been our customers for many, many years - we believe in long term business relationships, not turning a quick profit. Why not contact us now to see how we can help you get the quality of service they already enjoy?