



PM-010 & PM-132 PCMCIA DUAL VELOCITY RS232

SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS



Features

- 2 Port RS232
- PCMCIA TYPE II
- 128 Byte FIFO with user definable trigger level
- Up to 921,600 baud
- Standard and Ruggedised Options
- Drivers for all popular operating systems
- Sample Programs, Test & Terminal software - all with source code
- Lifetime Support and Lifetime Warranty

[Click on each feature to find similar products](#)

Options



Standard: PM-010
Detachable connectors



Ruggedised: PM-132
Built in connectors

For 1 Port see: PM-020 and PM-143

Description

A PCMCIA type II card providing two independent RS232 serial ports. Velocity megabaud data transfer rates and the 128 byte deep FIFOs, coupled with 1Mbit/s line drivers deliver uncompromising performance on your laptop PC. Being mobile no longer limits your options.

Standard and ruggedised card options to suit your needs.

Now with Brainboxes Lifetime Warranty and Lifetime Support!

Software

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

- o Windows Server 2003 x32 bit & x64 bit Editions
- o Windows XP x32 bit & x64 bit Editions
- o Windows 2000.



Fully tested drivers also included for:

- o Windows Me, Windows 98 & 95
- o Windows CE

As well as: full product documentation, a thorough troubleshooting guide and terminal software. Detailed sample source code for all popular programming languages.

Need support for other operating systems? Please telephone or email. Find out about Brainboxes excellent driver configurability: [Click Here](#)



ORDER

Description

PCMCIA VELOCITY DUAL RS232
RUGGEDISED PCMCIA VELOCITY DUAL RS232

Code

PM-010
PM-132



PCMCIA DUAL VELOCITY RS232

Full Specification

Product Code	UC-257	
Serial Port	<p>Ports</p> <p>Connector</p> <p>UART type</p> <p>FIFO size</p> <p>Powered Output</p> <p>Transmitted Signal Strength</p> <p>Operating Distance</p>	<p>2 Port RS232</p> <p>DB9 (9 Pin Male) - PM-132 connector is built in and ruggedised</p> <p>16C950</p> <p>128 Byte with user definable trigger level</p> <p>No (for powered output see Universal Powered range (UP))</p> <p>+/- 12 Volts open circuit RS232 Standard</p> <p>100ft (30metres) RS232 Standard</p>
<p>Pin 1 DCD</p> <p>Pin 2 RXD</p> <p>Pin 3 TXD</p> <p>Pin 4 DTR</p> <p>Pin 5 GND</p> <p>Pin 6 DSR</p> <p>Pin 7 RTS</p> <p>Pin 8 CTS</p> <p>Pin 9 RI</p> <p>RS232 Pinout (9 pin Male)</p>		
Serial Port Settings	<p>Baud Rate (bits per second)</p> <p>Data Bits</p> <p>Parity</p> <p>Stop Bits</p> <p>Flow Control</p> <p>IRQs</p> <p>Connection Schemes</p>	<p>up to 921,600</p> <p>5,6,7 or 8</p> <p>Odd, Even, None, Mark or Space</p> <p>1, 1.5 or 2</p> <p>CTS/RTS DTR/DSR</p> <p>Plug and Play - Shared interrupts for all ports</p> <p>Point to Point</p>
General	<p>PCB Layers</p> <p>Power Consumption</p> <p>Weight</p> <p>Size</p>	<p>4</p> <p>210mA @ 5V</p> <p>20mA @ 12V</p> <p>0.104Kg (PM-010) , 0.072Kg (PM-132)</p> <p>PCMCIA TYPE II</p>
Interface	<p>BUS</p> <p>OS Compatibility</p> <p>PCMCIA Compliance</p>	<p>PCMCIA</p> <p>Windows XP x64 bit Edition / Windows Server 2003 x64 bit</p> <p>Windows 95/ 98/ 2000/ XP/ Server 2003</p> <p>Windows CE*</p> <p>PC Card Standard-February 1995</p>
Microsoft Approvals		Windows Server 2003 Editions, Windows XP Home, Windows XP Professional
Approvals & Accreditations		UL, EMC: CE, FCC, PCMCIA Affiliate Member
Box Contents		<p>Installation CD including manual, Microsoft signed drivers, utilities and sample programs with source code</p> <p>PCMCIA DUAL VELOCITY RS232</p> <p>2 x Fully wired Moulded Cable (PM-132: built into card)</p> <p>Installation Guide</p>
OEM option		Available for bulk buy OEM
Product Support		Lifetime Email and Phone Support from fully qualified, friendly staff 40 hours a week
Warranty		Lifetime
Made In		Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"
Customisable		Brainboxes operate a "Perfect Fit Custom Design" policy for volume users More Info: CLICK HERE

*This product works in Windows CE up to 115,200 baud



PCMCIA DUAL VELOCITY RS232

Product Features Explained

PC Card

PC cards allow all the functionality of Brainboxes serial cards to be brought to your laptop. All Brainboxes PC cards are Type II cards and are compatible with 3.3V and 5V PCMCIA slots.

More info on 'Universal' products: [Click Here](#)

Microsoft Logo Approval

The majority of Brainboxes products, including this one, have been approved by Microsoft as a fully tested and compatible product with popular Microsoft Operating Systems. For the full list of Brainboxes approved products see the **Microsoft website**: [Click Here](#)

PCMCIA Compliant

All Brainboxes PC cards are fully "PC Card Standard-February 1995" compliant, in accordance with the PCMCIA, (Personal Computer Memory Card International Association) the Special Interest Group for PC card design and manufacture.

Large FIFO

FIFO means First In First Out, a FIFO is memory space on the Brainboxes card. A larger FIFO allows more memory space for buffering data, so calls to the computer processor are less frequent. This significantly increases data throughput and improves CPU availability for other applications.

More info: [Click Here](#)

4 Layer PCB

Printed Circuit Board with 4 layers of circuitry complies with the Brainboxes best practice guideline and ensures a more reliable card. 1 layer is for power and 1 for ground which leads to greater EMC shielding for the signals. This ultimately gives greater signal integrity.

Surface Mount Components

All components on a Brainboxes PC card are placed by a surface mount machine. The surface mount machine allows for highly accurate and fast production of Brainboxes cards. Orders can be met quickly, reliably and with outstanding quality.

Capacitors

All Brainboxes PC Cards have capacitors connected to all the power pins on the PC connector, near to the connector, and at points where signals switch layers. This ensures that the electrical power rails on the Brainboxes card stay at the right voltage, regardless of the power demands placed on them. This helps data signals keep their integrity.



PCMCIA DUAL VELOCITY RS232

Brainboxes' Service

"Brainboxes offers free lifetime support for ALL customers."

We aim to provide industry leading support for our customers. Our highly trained and helpful support engineers sit and work closely with the product designers, developers, and testers to ensure an in-depth knowledge of the products. Support can be found by emailing support@brainboxes.com or calling: +44 (0)151 220 2500 during UK office hours.

Support website: www.brainboxes.com/support/index.asp



"Brainboxes' passionately believes in the quality of its manufacturing process and will reflect this by offering a Lifetime Warranty on ALL of its PCMCIA serial card range."



Brainboxes is pleased to be able to extend a new Lifetime Warranty for all PCMCIA serial cards products. We have introduced this based on our exceptional manufacturing and design quality and the company ethos of kaizen.

Brainboxes' Kaizen

"Brainboxes constantly strives to achieve higher standards for the benefit of customers."

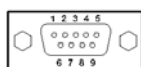
'Kaizen' is a Japanese term meaning 'continuous improvement'. Kaizen has been implemented throughout Brainboxes, resulting in significant improvements to our products and our customer service, as illustrated by the development of our own custom ASIC "LYNX" and our new lifetime warranty. As part of this ongoing process, in 2004 we embarked on 'Lean' and '6 Sigma' programs which are successfully increasing productivity and efficiency in all areas of the company. **More Info:** [Click Here](#)



RS232 Standard

DCD	Pin 1
RXD	Pin 2
TXD	Pin 3
DTR	Pin 4
GND	Pin 5
DSR	Pin 6
RTS	Pin 7
CTS	Pin 8
RI	Pin 9

RS232 [9 Pin] Pinout



RS232 is the best known industry standard providing asynchronous serial communication using ± 12 Volt logic levels over distances up to 100 feet (30 metres). RS232 can be configured to suit all needs from 3 wire communication (using transmit, receive and ground lines only), to more complex hardware and software handshaking. **More info:** [Click Here](#)

TXD	Pin 2
RXD	Pin 3
RTS	Pin 4
CTS	Pin 5
DSR	Pin 6
GND	Pin 7
DCD	Pin 8
DTR	Pin 20
RI	Pin 22

RS232 [25 Pin] Pinout

