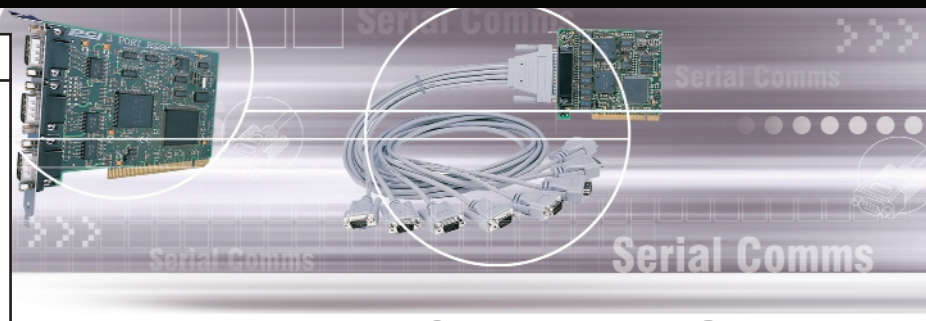


UNIVERSAL PCI

Low Profile 1 Port Velocity RS422/485

Features

- 1 RS422/485 Serial Ports selectable as RS422 or RS485
- 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
- Upto 128byte transmit and receive FIFO
- Greater control of FIFO trigger levels, and readable FIFO levels for improved transfer effciency

Specifications

- Ports: 1 x RS422/485
- UART: 16750+
- Baud rates: Up to 921,600
- Protection: +ve spikes >12V
-ve spikes > 6.8V
- Data Bits: 5,6,7 or 8
- Stop Bits: 1 or 2
- Parity: Odd, even, none, mark or space
- Power: 550mA @ 5V
- Weight: 0.097Kg
- Size: 6.3 x 12cm
- Height of low profile bracket: 8cm

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 duplex
- Many talkers/listeners half duplex

About Universal PCI

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 such as Dell, HP and IBM to increase system speed while reducing onboard PC power consumption. What this means is that 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.

Description

Universal PCI card protects your investment into the future.

This half size card provides one serial port configurable as RS422 with and with-out hand-shaking, or RS485 full or half duplex.

This card has on-board zener diodes giving transient spike protection to the inputs, making this card ideal for factory automation installations. The megabaud data transfer rates and the 128 byte deep FIFO, coupled with the RS485 Half Duplex Autogating guarantees uncompromising performance and fault-free use.

The PCI RS422/485 Velocity card uses the 16750 UART, two generations beyond the industry standard 16550. 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).

Low-Profile PCI is a new PCI card standard for space-constrained system designs. Electronically identical to standard PCI, Low-Profile PCI is a form factor defining a shorter card and new mounting bracket.

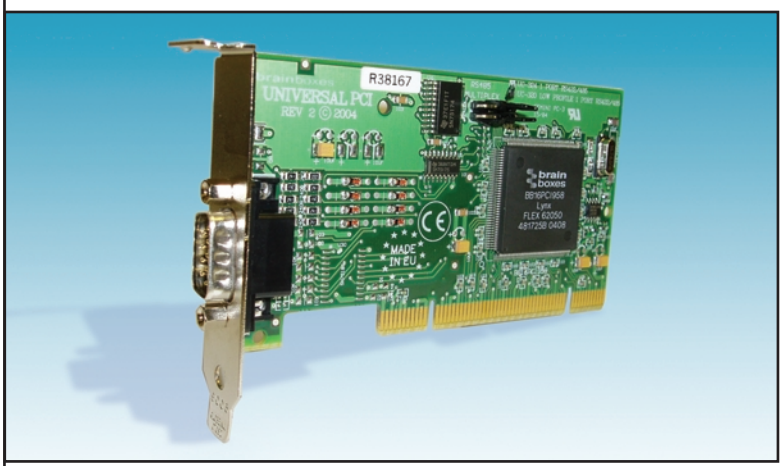
Software

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 & Windows 2000 signed drivers.

Informative manuals and sample programs are supplied with full source code on CD!

For details of RS232, RS422 or RS485 Standard see:
www.brainboxes.com/standards



ORDER

Description	Code
UNIVERSAL PCI LOW PROFILE1PORT VELOCITY RS422/485	UC-320