



### Features

- 2 RS422/485 Serial Ports each selectable as RS422 or RS485
- 64 byte FIFO per port
- On-board zener diodes offer transient spike protection
- On board terminating resistors with full fail-safe open/short circuit protection RxD±/TxD± multiplex jumpers
- Sample Programs, Test & Terminal software - all with source code

### Specifications

- Ports: 2 x RS422/485
- UART: 16750
- Baud rates: Up to 921,600
- Protection: +ve spike > 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: 9.3 x 12cm
- Opto-Isolation: ±1500Volt DC/ 1000Volts AC

### Optical Isolation

Optical isolation provides greater protection from electrical current surges to both the card itself and the PC. It improves noise immunity by isolating the PC from the card's transmit ground.

### Autogating

Autogating, unique to the Velocity RS422/485 cards, is implemented in the cards hardware to automatically detect the start and finish of data transmission. This guarantees a rapid "Receive turnaround" in half duplex operations, therefore preventing data loss.

# ISA 2 Port

## Opto Velocity RS422/485

### Description



This half size card provides two serial ports independently configurable as RS422 with and without hand-shaking, or RS485 full or half duplex.

The 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 64 byte deep FIFO, coupled with the RS485 Half Duplex Autogating guarantees uncompromising performance and fault-free use

The UART clock can be set to provide maximum baud rates of either 921,600 baud, 460,800 baud, 230,400 baud, or 115,200 baud (standard PC).

### Software

Serial Solutions Device Driver CD contains software for Windows Millennium, Windows 98, Windows 95, Windows NT4, Windows 3.x, DOS and OS/2.

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

For details of RS232, RS422 or RS485 Standards see: [www.brainboxes.com/standards](http://www.brainboxes.com/standards)



### ORDER

Description  
ISA 2PORT OPTO VELOCITY RS422/485

Code  
CC-164