



[Zoom in Picture](#)

**■ Features**

- Universal PCI 3.3 / 5.0V
- 8x RS232, RS422/485
- RS485 ART (Automatic Receive Transmit control)
- RS485 in 6 operation modes
- surge protection
- PCI Plug and Play
- IRQ Interrupt sharing, only one Interrupt per card
- Drivers for Windows 95 to 7/2008 R2
- Software compatibel with DOS, Windows 3.11, OS/2, Linux and div. Unix
- Compact board size (half-size)
- Hardware flow control
- Built-in termination resistors

# VScom 800I UPCI

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**■ Overview**

The VScom 800I uPCI is designed for RS232, RS422/485 industrial communication. It supports 8 independent RS232, RS422 or RS485 ports. Each port can be configured separate.

Available modes : RS232, RS422 fullduplex

RS485 full duplex (4 wire)

RS485 half duplex (2 wire) with and without echo.

In RS485 modes applications enable transmission by simply sending data.

This is done by ART (Automatic Receive Transmit Control) intelligence.

The Transmitter is disabled exactly with the end of the last character sent. No modification is necessary in programs. The common control by RTS is possible for compatibility.

In addition, hardware flow control and built-in termination resistors guarantee data integrity.

Surge protection is also available for RS232 Signals to deliver high reliability.

All of these features make VScom 800I uPCI suitable for harsh industrial applications.

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**■ Application**

- Multiport data acquisition
- Factory automation
- Remote serial device control
- Industrial control
- Embedded industrial machine
- SCADA

**■ Hardware**

<b>I/O controller</b>	8x 16C550C or compatible, each with 16 bytes Tx/Rx FIFO
<b>Connector type</b>	1x DB78 female, Cable 8 x DB9 male

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**■ Interface**

<b>Bus interface</b>	PCI version 2.1 (32bit) Universal PCI 3.3V / 5.0V
<b>Serial interface</b>	RS232, RS422 / 485
<b>No. of ports</b>	8
<b>Signals</b>	RS232 Tx, Rx, CTS/RTS, DTR, DSR, DCD, GND RS422 TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS485 Data+/-, GND
<b>RS485 data control</b>	ART (Automatic Receive Transmit control)

By RTS alternatively

**Built-in termination resistor**

RS422 120 Ohm  
RS485 120 Ohm, jumper enable / disable

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■ **Performance**

**Speed**

up to 921.6Kbps

**Max. no. of ports**

Unlimited

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■ **Configuration**

**Parity**

None, even, odd, space, mark

**Data bits**

5, 6, 7, 8

**Stop bits**

1, 1.5, 2

**IRQ**

Assigned by System

**I/O address**

Assigned by System

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■ **Available modes**

**RS232**

full duplex

**RS422**

full duplex

**RS485**

4 wire , full duplex

**RS485**

2 wire, half duplex, with echo

**RS485**

2 wire, half duplex, without echo

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■ **Power and Environment**

**Power requirement**

430mA max.(+5V)

**Operation temp.**

0°C - 55°C

**Dimension**

135mm x 100mm

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■ **Operating Systems**

**Windows 2000 up to 7**

VScom high performance serial driver, x86 and x64 Editions

**Server 2000 to 2008 R2**

VScom high performance serial driver, x86 and x64 Editions

**Windows NT 4.0**

VScom high performance serial driver  
control panel applet

**Windows 95, 98, SE, ME**

VScom high performance serial driver

**DOS**

virtuell address driver and compatibility tools  
real DOS Com port emulation

**OS/2**

Supported by COM16 driver in recent system releases  
Third party serial driver SIO.SYS available

**Linux**

Kernel 2.6 and up: built-in support  
Previous kernel: VScom high performance real tty driver

**div.UNIX**

configuration instructions

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■ **Ordering Information**

**Art.No**

4441

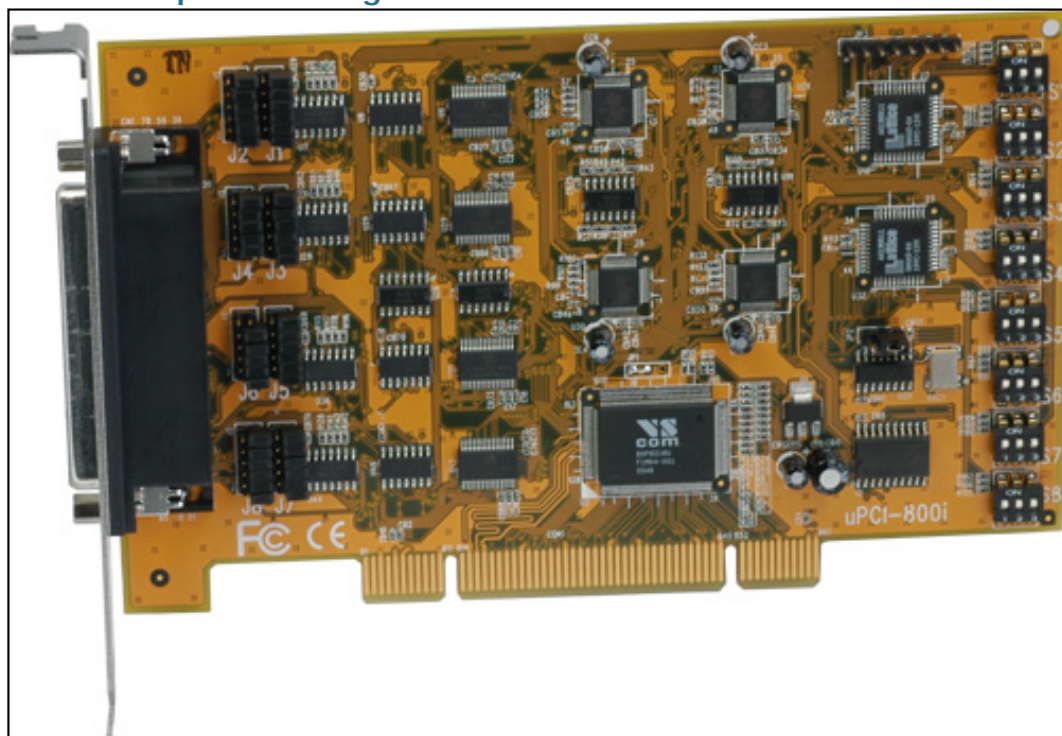
**Product Name**

VScom 800I UPCI

**Packing list**

VScom 800I UPCI card  
Cable 8 x DB9 male  
CD, English documentation

■ Full size product image



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