Model Information

Zoom in Picture

Features

- Universal PCI 3.3 / 5.0V
- 4x 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 (half-size)
- Hardware flow control
- Built-in termination resistors

VScom 400I UPCI

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Overview

The VScom 400I uPCI is designed for RS232, RS422/485 industrial communication. It supports 4 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 400I 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

I/O controller	4x 16C550C or compatible, each with 16 bytes Tx/Rx FIFO
Connector type	Male DB9

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Interface

Bus interface	PCI version 2.1 (32bit) Universal PCI 3.3V / 5.0V
Serial interface	RS232, RS422 / 485
No. of ports	4
Signals	RS232 Tx, Rx, CTS/RTS, DTR, DSR, DCD, GND RS422 TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS485 Data+/-, GND

RS485 data control	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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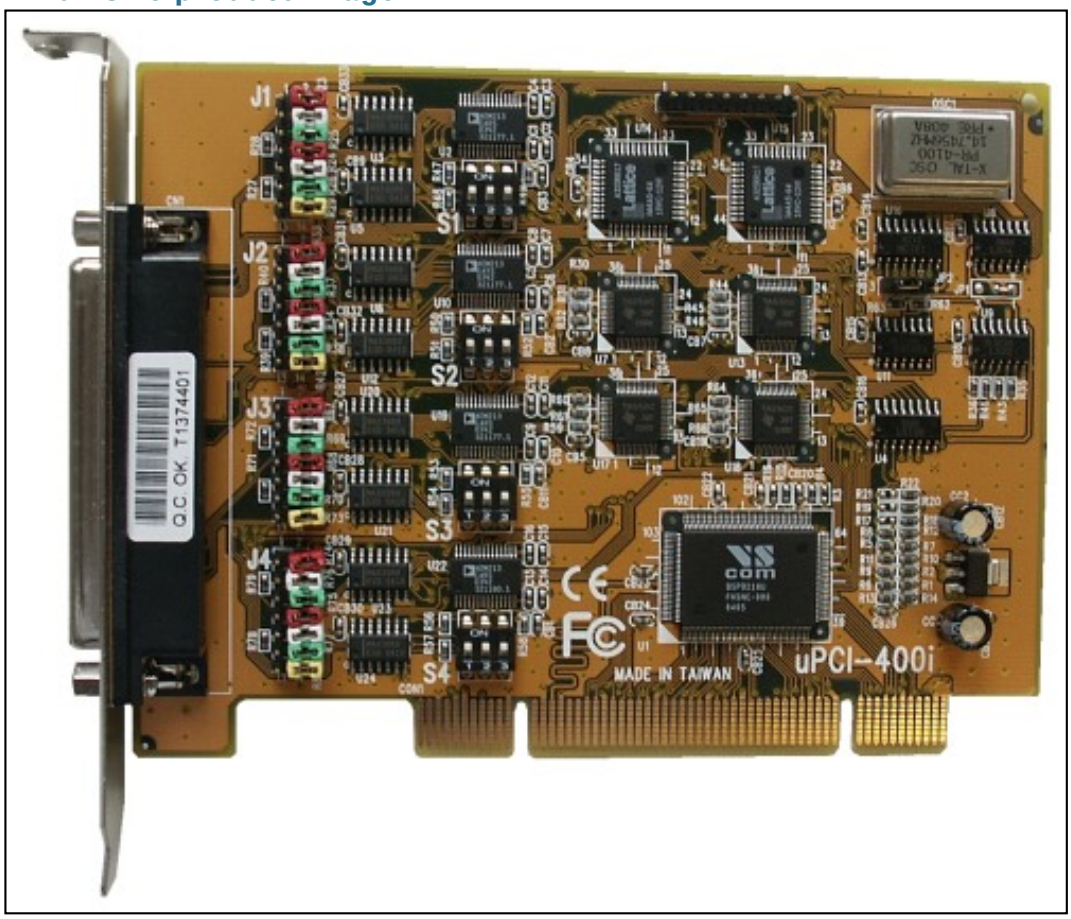
Ordering Information

Art.No	4440
Product Name	VScom 400I UPCI
Packing list	VScom 400I UPCI card CD, English documentation

Full size product image



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