VScom 400I UPCI

4 RS232, RS422/485 ports UPCI Card

KEY FEATURES

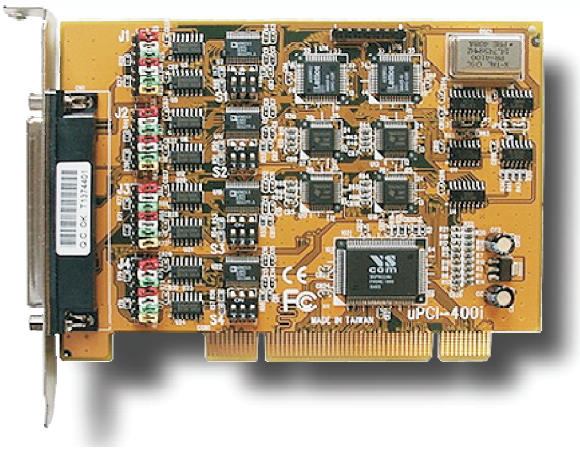
- Universal PCI 3.3 / 5.0V
- 4 x RS232, RS422/485
- RS485 ART (Automatic Receive Transmit Control)
- RS485 in 6 operation modes
- Surge protection
- Compact board size (half-size)
- Hardware flow control
- Built-in termination resistors

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) and 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.



Specifications

Hardware	
I/O controller	4 x 16C550C or compatible, each with 16 bytes Tx/Rx FIFO
Connector type	DB9 male
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
Performance	
Speed	Up to 921.6Kbps
Max. no. of ports	Unlimited

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Note: All specifications are subject to change without notice.

Specifications

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
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
Power and Environment	
Power requirement	430mA max.(+5V)
Operation temp.	0°C - 55°C
Dimension	135mm x 100mm
Operating Systems	
WIN95, WIN98, ME	Vscom high performance serial driver
WIN NT 4.0	VScom high performance serial driver; control panel applet
WIN 2000, XP, Vista	VScom high performance serial driver
WIN 2003 Server	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

Ordering Information

Art. No	4440
Product Name	VScom 400I UPCI
Packing List	VScom 400I UPCI card, CD, English Documentation

VScom is offering a full range of serial communication solution for industrial application fields. Currently VScom designs and manufactures technologically advanced and cost effective Ethernet to Serial, RISC-Embedded Systems, CAN Bus to Serial, USB to Serial and PCI to Serial solutions. Envisioning the rapid growth in using Ethernet in different industrial fields. VScom is presently focusing on integration of LAN and Wireless LAN technology in serial connectivity products. Vscom brand products have been in the market since 1995 and are known as high quality, reliable and long life devices. More information on the products is available at www.vscom.de

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