[Zoom in Picture](#)

■ Features

- PCI Express x 1
- 2x RS232, RS422/485
- RS485 ART (Automatic Receive Transmit control)
- RS485 in 3 operation modes
- optical isolation, surge protection (also in RS232)
- Compact board size (half-size)
- Built-in termination resistors
- Drivers for Windows 2000 to 7/2008R2

VScom 200Ei-SI PCIex

Quick Link: | [Features](#) | [Overview](#) | [Application](#) | [Hardware](#) | [Interface](#) | [Performance](#) | [Configuration](#) | [Available modes](#) | [Power and Environment](#) | [Operating Systems supported](#) | [Ordering Information](#) |

■ Overview

The VScom 200Ei-SI PCIex is designed for RS232, RS422/485 industrial communication. It supports 2 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.
In addition, hardware flow control and built-in termination resistors guarantee data integrity.
Optical isolation and surge protection ara also available for RS232 Signals to deliver high reliability.
All of these features make VScom 200Ei - SI PCIex suitable for harsh industrial applications.
Optical isolated RS232 presents 200Ei-SI as a choice for medical environment.
Read the [News Article...](#)

■ Application

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

■ Hardware

I/O controller	2x 16C950C, each with 128 bytes Tx/Rx FIFO
Connector type	Male DB9

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■ Interface

Bus interface	PCI Express x 1
Serial interface	RS232, RS422 / 485

No. of ports	2
Signals	RS232: TxD,RxD, CTS,RTS isolated and surge protected RS422: Tx+/-,Rx+/-, RTS+/-,CTS+/-, GND RS485: Data+/-, GND
RS485 data control	ART (Automatic Receive Transmit control)
Built-in termination resistor	RS422: 120 Ohm RS485: 120 Ohm, DIP enable / disable

■ Performance

Speed	RS232: up to 921.6Kbps RS422/485: up to 3.6Mbps
Max. no. of ports	Unlimited

■ 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	80mm x 59mm

■ Operating Systems supported

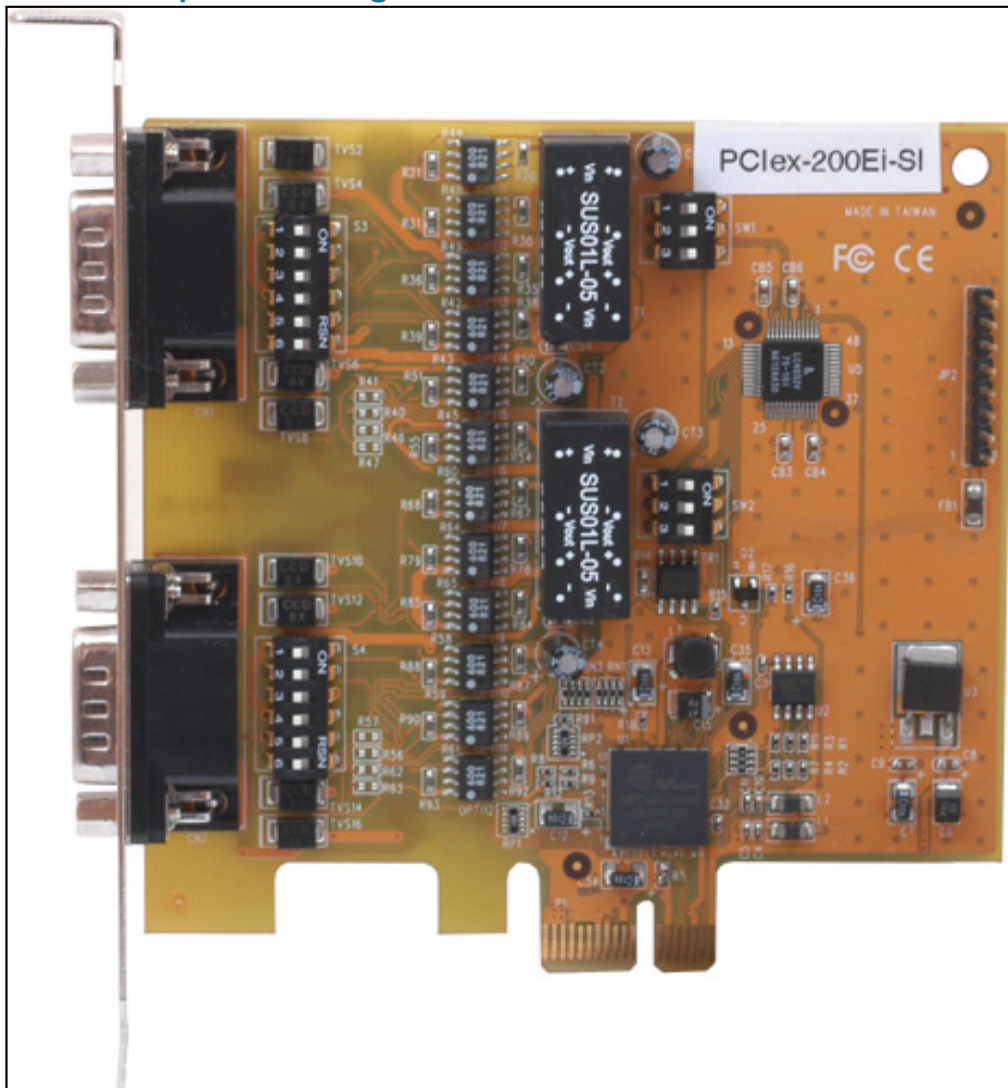| Windows XP up to 7	VScom high performance serial driver, x86 and x64 Editions
Server 2003 up to 2008 R2	VScom high performance serial driver, x86 and x64 Editions

■ Ordering Information

Art.No	4506
Product Name	VScom 200Ei - SI PCIex
Packing list	VScom 200Ei - SI PCIex card CD, English documentation