

Model Information



■ Main Features

- 4 x RS232 ports, ESD and surge protected
- 500 kbps max. baud rate for fast data transfer
- 256-Byte FIFO and on-chip H/W, S/W flow control
- Compatible with PCIex x1, Plug and Play
- Low Profile form factor, STD and LP brackets
- Wide temp range -40° to +65°C
- Drivers for Windows XP / 7 / 8 / 10 and Linux
- Adapter cable 4 x DB9M included

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VScom 400E v4 PCIex (PCIex-400E)

[Quick Link:](#) | [Main Features](#) | [More Pictures](#) | [Overview](#) | [Hardware Specifications](#) | [High Performance Features](#) | [Operating Systems](#) | [Dimensions](#) | [Standards](#) | [MTBF \(Mean Time Between Failures\)](#) | [Warranty](#) | [Ordering Information](#) | [Packaging](#) |

■ More Pictures



Click on the thumbnails for the large picture ...

[>Back to top](#)

■ Overview

The VScom 400E PCIex is a smart 4-ports PCI Express serial card, designed for industrial automation and POS/ATM applications. VScom 400E PCIex runs with all major operating systems. The serial ports equipped with 256 byte FIFOs support data rates up to 500kbps and use full modem control signals for compatibility with a wide range of serial devices. The ports also allow every non-standard bitrate up to 500kbps. On-chip s/w and h/w flow control ensure quick reaction and so error free data transmission at high baud rates. Serial ports are ESD and surge protected.

The board can be plugged into Standard Height and Low-Profile PC cases. Mounted is the standard bracket, Low Profile is placed in the box. Also included is the adapter cable DB44HDF to 4 x DB9M (Pins and signals like on a PC).

■ Hardware Specifications

Ports	4x RS232 (RxD, TxD, RTS, CTS, DTR, DSR, DCD, RI)
UART	4x 16C850 (256 Byte FIFO, ON-Chip HW-/SW-Flow Control)
LED	LED for TxD and RxD on each port
Address	Plug and Play
Interrupts	PCI Plug and Play, only one interrupt per card
Speed	50bps – 500 kbps all standard bitrates available also non-standard bitrates possible (e.g. 500kbps)
Bus interface	PCI Express x1
Connectors	1x DB44F HD, adapter cable 4 x DB9 male
Low Profile	Extra bracket added for Low Profile case mounting
Temperature	-40°C – +65°C

[>Back to top](#)

■ High Performance Features

FIFO	adjustable FIFO length, 1 up to 256 Bytes separate adjustable Rx and Tx
Handshake	RTS / CTS DTR / DSR Xon / Xoff all handshake automatic on Chip
Speed	50 bps up to 500 kbps all Baudrates possible
Access	high speed access via Memory
UART	UART emulation 16850

[>Back to top](#)

■ Operating Systems

Windows 2000 up to 10	High performance serial driver, x86 and x64 Editions
Linux	Kernel 3.0 and up: built-in support

[>Back to top](#)

■ Dimensions

Card Size	L74mm × H67mm
Card Weight	50g
Cable Weight	250g
Box Size	L165mm × W153mm × H62mm
Box Weight	320g

[>Back to top](#)

■ Standards

Declarations	CE, FCC
EMI	<ul style="list-style-type: none">EN 55022 Class B47 CFR FCC Part 15 Subpart B
EMS (EN 55024)	<ul style="list-style-type: none">EN 61000-4-3: Radiated RFIEN 61000-4-4: Electrical Fast TransientEN 61000-4-5: SurgeEN 61000-4-6: Induced RFIEN 61000-4-8: Power Frequency Magnetic FieldEN 61000-4-11: Power supply dips
ESD	EN 61000-4-2 4kV contact 8kV air for Serial Ports

[>Back to top](#)

■ MTBF (Mean Time Between Failures)

MTBF	available soon
Standard	Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7

[>Back to top](#)

■ Warranty

Warranty Period	2 years
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[>Back to top](#)

■ Ordering Information

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[>Back to top](#)

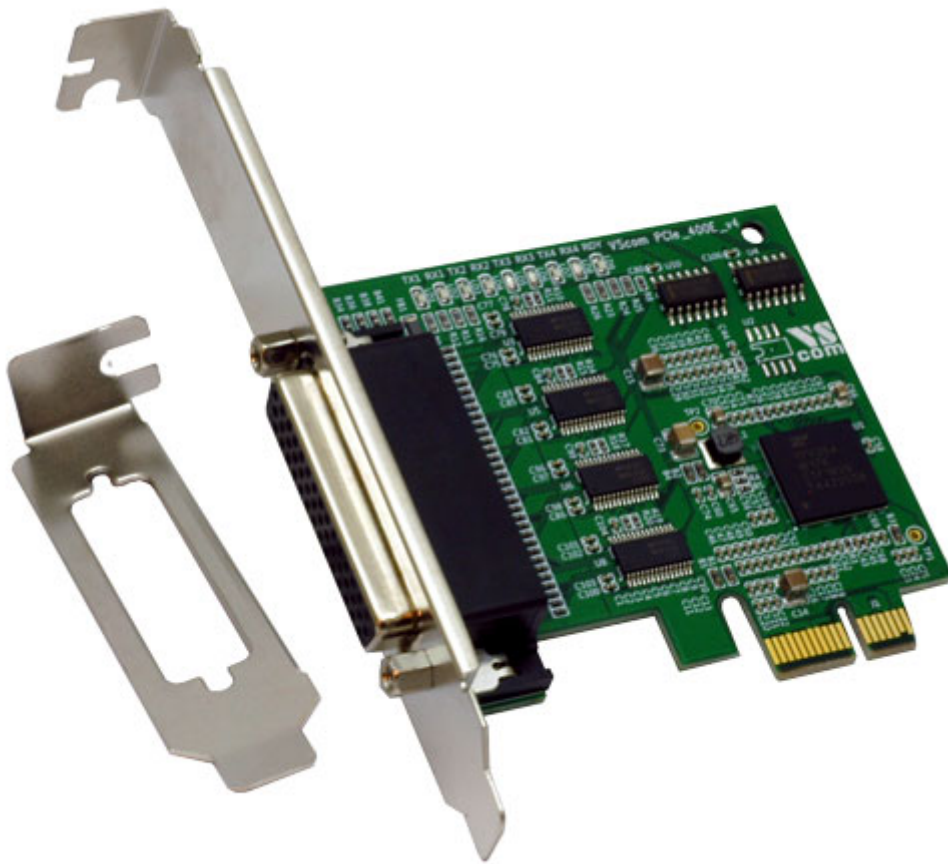
■ Packaging

Packing list	VScom 400E v4 PCIex card Adapter cable 4 Ports RS232 DSUB 9 male Extra bracket for Low Profile form factor
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[>Back to top](#)

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VScom 400E v4 PCIex
[>Back](#)



Adapter cable attached
[>Back](#)



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