VEX-142/VEX-142i/VXC-142AU/ VXC-142iAU _____

PCI Express/Universal PCI, 2-Port RS-422/485

Communication Board



Features **>>>**

- VXC versions supports 3.3 V/5 V PCI bus
- Built-in COM-Selector
- 128-byte hardware FIFO for each port

Hardware Specifications

+/-4 kV ESD protection for i version

- VEX versions supports PCI Express bus
- Provides 2 RS-422/485 ports
- 2500 Vpc Isolation for i version
- Short Card Design



The VEX-142/VEX-142i/VXC-142AU/VXC-142iAU communication card provides 2 RS-232 serial ports. Each port supports for speed up to 115200 bps and can work for full-duplex communication. Users may specify a COM port number manually by setting COM-Selector (DIP switch), or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software buffer for each COM port under Windows. It's practical for large file transmission.

In harsh industrial environments, the on board ESD protection component diverts the potentially damaging charge away from sensitive circuit and protects the computer and equipment from being damaged by high potential voltage.

The VEX-142i/VXC-142iAU offers photo isolation to protect your computer and equipment against damages in harsh environment. The built-in photo coupler can help cutting down on ground loops, common mode voltages and block voltage spikes, provide electrical isolation, and offer significant protection from serious over-voltage conditions in one circuit affecting the other.

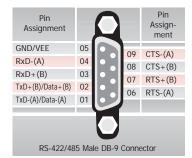
The serial communication card are designed for use with intelligent devices like bar code reader, serial printers, intelligent sensors, instrumentation equipment, computers and almost any device with an RS-422/485 port.

VEX-142 VXC-142AU VXC-142iAU Models VEX-142i Serial Port COM1/2 Selectable 8-Wire RS-422 or 2-Wire RS-485 UART 16C950 compatible 50 ~ 115200 bps Baud Rate Data Bit 5, 6, 7, 8 Stop Bit 1, 1.5, 2 Parity None, Even, Odd, Mark, Space FIFO Internal 128 bytes ESD Protection +/- 4 kV +/- 4 kV Isolation 2500 VDC 2500 Vpc General Bus Type PCI Express x1 3.3 V/5 V, 33 MHz, 32-bit COM-Selector Yes Connectors Male DB-9 x 2 Power Consumption 120 mA @ 5 V 440 mA @ 5 V 100 mA @ 5 V 480 mA @ 5 V Operating 0 °C ~ +60 °C Temperature Humidity 0 ~ 90% RH, non-condensing

Software

- Driver for 32-bit and 64-bit Windows XP/2003/Vista/7
- Driver for Linux

Pin Assignments



Ordering Information _____

VEX-142 CR	PCI Express Bus, Serial Communication Board with 2 RS-422/485 ports (RoHS)
VEX-142i CR	PCI Express Bus, Serial Communication Board with 2 Isolated RS-422/485 ports (RoHS)
VXC-142AU CR	Universal PCI Bus, Serial Communication Board with 2 RS-422/485 ports (RoHS)
VXC-142iAU CR	Universal PCI Bus, Serial Communication Board with 2 Isolated RS-422/485 ports (RoHS)

