VXC-112AU/VXC-112iAU



VEX-112/VEX-112i



VXC-112AU/VXC-112iAU
VEX-112/VEX-112i

Serial Communication Card with 2 RS-232 ports

Features

- Built-in COM-Selector
- Provides 2 RS-232 ports
- ±4 kV ESD Protection for i versions
- Supports PCI Express bus for VEX series
- 128 KB Software Buffer (max.) for Each Port Under Windows
- Short Card Design
- 2500 V_{DC} Isolation for i versions
- Supports 3.3 V/5 V PCI bus for VXC series
- 128-byte Hardware FIFO for Each Port

Introduction

The VXC-112/VEX-112 series card provides 2 RS-232 serial ports. It is equipped with a 128-byte hardware FIFO for each port, supports for speed up to 115200 bps and supports full-duplex communication.

Users may specify a COM port number manually by setting DIP switch, or let the driver choose an available number automatically. The driver provides a maximum of 128 KB software FIFO for each COM port under Windows. It's practical for large file transmission.

The data lines of each serial ports on i version VXC/VEX cards come with photocouplers design. The on-board photo couplers use a short optical transmission path to transfer a signal between elements of a circuit, and keep the data lines electrically isolated. It 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.

In harsh industrial environments, the on-board ESD protection component (for i version) diverts the potentially damaging charge away from sensitive circuit to protects the computer and equipment from the sudden and momentary electric current.

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-232 port.

Applications

- Industrial Machinery
- Building Automation
- Restaurant Appliances
- Laboratory Equipment & Research
- Industrial Communication

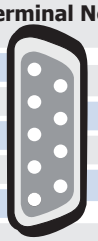
Hardware Specifications

Models	VXC-112AU	VXC-112iAU	VEX-112	VEX-112i
Hardware				
Connector	2 x DB9 (Male)			
COM-Selector	Yes (8-bit DIP switch)			
COM Ports				
Ports	2 x RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)			
Baud Rate	50 ~ 115200 bps			
Parity	None, Even, Odd, Mark, Space			
Data Bit	5, 6, 7, 8			
Stop Bit	1, 1.5, 2			
FIFO Size	Internal 128 bytes			
Isolation	–	2500 V_{DC}	–	2500 V_{DC}
Power				
Consumption	100 mA @ 5 V	480 mA @ 5 V	120 mA @ 5 V	440 mA @ 5 V
Mechanical				
Dimensions (mm)	90 x 134 x 22 (W x L x D)		94 x 110 x 22 (W x L x D)	
Environment				
Operating Temperature	0 ~ +60°C			
Storage Temperature	-20 ~ +70°C			
Humidity	5 ~ 85% RH, Non-condensing			

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Pin Assignments

Pin Assign-ment	Terminal No.		Pin Assign-ment
GND	05	09	RI
DTR	04	08	CTS
TxD	03	07	RTS
RxD	02	06	DSR
DCD	01		



Male DB-9 Connector

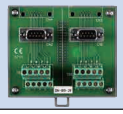
Software

Drivers
☑ 32/64-bit Windows XP/2003/2008/7/8/10
☑ Linux

Ordering Information

VXC-112AU CR	Universal PCI, Serial Communication Card with 2 RS-232 ports (RoHS)
VXC-112iAU CR	Universal PCI, Serial Communication Card with 2 Isolated RS-232 ports (RoHS)
VEX-112 CR	PCI Express, Serial Communication Card with 2 RS-232 ports (RoHS)
VEX-112i CR	PCI Express, Serial Communication Card with 2 Isolated RS-232 ports (RoHS)

Accessories

 CA-0910F CR	9-Pin Female-Female D-Sub Cable 1 m
 CA-0915 CR	9-Pin Male-Female D-Sub Cable, 1.5 m
 DN-09-2F CR	I/O Connector Block with DIN-Rail Mounting and Two 9-Pin Male Header. Includes CA-0910F x 2 (9-Pin Female-Female D-Sub Cable 1 m)

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