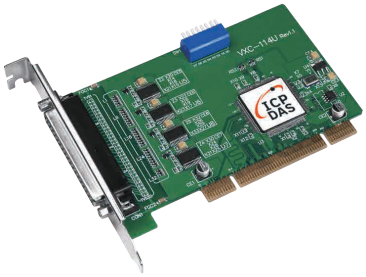
VXC-114U/VXC-114iAU



VEX-114/VEX-114i



VXC-114U/VXC-114iAU
VEX-114/VEX-114i

Serial Communication Card with 4 RS-232 ports

Features

- Supports 3.3 V/5 V PCI bus for U versions
- 128-byte Hardware FIFO for Each Port
- ±4 kV ESD Protection for i versions
- Supports PCI Express x1 for VEX series
- 128 KB Software Buffer (max.) for Each Port Under Windows
- Built-in COM-Selector
- Short Card Design
- Provides 4 RS-232 ports
- 2500 Vrms Isolation for i versions

Introduction

The VXC-114/VEX-114 series card provides 4 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

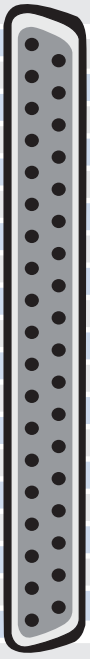
Hardware Specifications

Models	VXC-114U	VXC-114iAU	VEX-114	VEX-114i
Hardware				
Connector	DB-37 (Female)			
COM-Selector	Yes (8-bit DIP switch)			
COM Ports				
Ports	4 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	120 mA @ 5 V	880 mA @ 5 V	120 mA @ 5 V	880 mA @ 5 V
Mechanical				
Dimensions (mm)	84 x 142 x 22 (W x L x D)	93 x 133 x 22 (W x L x D)	110 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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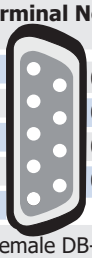
Pin Assignments

Pin Assignment	Terminal No.		Pin Assignment
N.C.	01	20	RI3
DCD3	02	21	DTR3
GND	03	22	DSR3
CTS3	04	23	RTS3
RxD3	05	24	TxD3
RI4	06	25	DCD4
DTR4	07	26	GND
DSR4	08	27	CTS4
RTS4	09	28	RxD4
TxD4	10	29	RI2
DCD2	11	30	DTR2
GND	12	31	DSR2
CTS2	13	32	RTS2
RxD2	14	33	TxD2
RI1	15	34	DCD1
DTR1	16	35	GND
DSR1	17	36	CTS1
RTS1	18	37	RxD1
TxD1	19		



RS-232 Female DB-37 Connector

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



RS-232 Female DB-37 to Male DB-9 Connector

Software

Drivers

- [x] 32-bit and 64-bit Windows XP/2003/Vista/7
- [x] Linux

Accessories

 CA-9-3705 CR	Male DB-37 to 4-port Male DB-9 Cable, 0.3 M (90°)

Ordering Information

VXC-114U CR	Universal PCI, Serial Communication Card with 4 RS-232 ports (RoHS). Includes One CA-4002 Connector
VXC-114U/D2 CR	Universal PCI, Serial Communication Card with 4 RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VXC-114iAU CR	Universal PCI, Serial Communication Card with 4 Isolated RS-232 ports (RoHS). Includes One CA-4002 Connector
VXC-114iAU/D2 CR	Universal PCI, Serial Communication Card with 4 Isolated RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VEX-114 CR	PCI Express, Serial Communication Card with 4 RS-232 ports (RoHS). Includes One CA-4002 Connector
VEX-114/D2 CR	PCI Express, Serial Communication Card with 4 RS-232 ports (RoHS). Includes One CA-9-3715D Cable
VEX-114i CR	PCI Express, Serial Communication Card with 4 Isolated RS-232 ports (RoHS). Includes One CA-4002 Connector
VEX-114i/D2 CR	PCI Express, Serial Communication Card with 4 Isolated RS-232 ports (RoHS). Includes One CA-9-3715D Cable

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