



VXC-142AU/VXC-142iAU

VEX-142/VEX-142i



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

Serial Communication Card with 2 RS-422/485 ports

Features

- Built-in COM-Selector
- Provides 2 RS-422/485 ports
- ± 4 kV ESD Protection for i versions
- Supports 3.3 V/5 V PCI bus for U versions
- RoHS compliant & no Halogen
- Supports pull-high/-low jumpers on RS-485 port
- Short Card Design
- 2500 Vrms Isolation for i versions
- 128-byte Hardware FIFO for Each Port
- Supports PCI Express bus for VEX series
- Automatic RS-485 Direction Control



Hardware Specifications

Models		VXC-142AU	VXC-142iAU	VEX-142	VEX-142i
Communication Port					
COM1, COM2	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously			
	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND			
	RS-485	Data+, Data-, GND (Automatic RS-485 Direction Control)			
UART		16C950 compatible			
Baud Rate		50 ~ 115200 bps			
Data Bit		5, 6, 7, 8			
Stop Bit		1, 1.5, 2			
Parity		None, Even, Odd, Mark, Space			
FIFO		Internal 128 bytes			
Isolated		—	2500 Vrms	—	2500 Vrms
General					
Bus Type		Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play		PCI Express x1, Plug and Play	
COM-Selector		Yes (8-bit DIP switch)			
Connector		2 x Male DB-9			
Power Consumption		100 mA @ 5 V	480 mA @ 5 V	120 mA @ 5 V	440 mA @ 5 V
Operating Temperature		0 ~ 60°C			
Storage Temperature		-20 ~ 70°C			
Humidity		5 ~ 85% RH, non-condensing			
Dimensions (W x L x D)		90 mm x 134 mm x 22 mm		94 mm x 110 mm x 22 mm	

Pin Assignments

Pin Assignment	Terminal No.	Pin Assignment
GND/VEE	05	09 CTS-(A)
RxD-(A)	04	08 CTS+(B)
RxD+(B)	03	07 RTS+(B)
TxD+(B)/Data+(B)	02	06 RTS-(A)
TxD-(A)/Data-(A)	01	

RS-422/485 Male DB-9 Connector

Software

Drivers

- ☒ 32/64-bit Windows XP/2003/Vista/7
- ☒ Linux

Accessories

CA-0910F	9-Pin Female-Female D-Sub Cable 1 m
CA-0915	9-Pin Male-Female D-Sub Cable, 1.5 m
CA-PC09F	9-Pin Female D-Sub Connector with Plastic Cover
DN-09-2F	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)

Ordering Information

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