

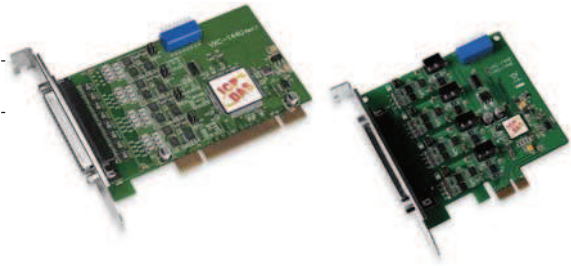
VXC-144U/VXC-144iU *NEW*

VXC-144U/VXC-144iU

VEX-144/VEX-144i

VEX-144/VEX-144i *NEW*

Serial Communication Card with 4 RS-422/485 ports



Features ▶▶▶

- 128-byte Hardware FIFO for Each Port
- Supports 3.3 V/5 V PCI Bus for U versions
- +/-4 kV ESD Protection for i versions
- Supports pull-high/-low jumpers on RS-485 port
- Supports PCI Express x1 for VEX series
- Automatic RS-485 Direction Control
- Built-in COM-Selector
- Provides 2 RS-422/485 ports
- 2500 V_{rms} Isolation for i versions
- Short Card Design
- RoHS compliant & no Halogen

Hardware Specifications

Models	VXC-144U	VXC-144iU	VEX-144	VEX-144i
Communication Port				
COM1 ~ COM4	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 V _{rms}	-	2500 V _{rms}
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	Female DB-37			
Power Consumption	120 mA @ 5 V	880 mA @ 5 V	120 mA @ 5 V	880 mA @ 5 V
Operating Temperature	0 °C ~ +50 °C			
Storage Temperature	-20 °C ~ +70 °C			
Humidity	0 ~ 90% RH, non-condensing			
Dimensions (L x W x D) (Unit: mm)	142 x 84 x 22	142 x 95 x 22	114 x 101 x 22	

Software

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

Ordering Information

VXC-144U CR	Universal PCI, Serial Communication Card with 4 RS-422/485 ports (RoHS). Includes One CA-4002 Connector
VXC-144iU CR	Universal PCI, Serial Communication Card with 4 Isolated RS-422/485 ports (RoHS). Includes One CA-4002 Connector
VEX-144 CR	PCI Express, Serial Communication Card with 4 RS-422/485 ports (RoHS). Includes One CA-4002 Connector
VEX-144i CR	PCI Express, Serial Communication Card with 4 Isolated RS-422/485 ports (RoHS). Includes One CA-4002 Connector

Accessories

CA-4002	37-Pin Male D-Sub Connector with Plastic Cover
CA-9-3715D	Male DB-37 to 4-port Male DB-9 Cable, 1.5 M (180°)
CA-9-3705	Male DB-37 to 4-port Male DB-9 Cable, 0.3 M (90°)

Pin Assignments

Pin Assignment	Terminal	No.	Pin Assignment
N.C.	01	20	CTS3-(A)
TxD3-(A)/Data3-(A)	02	21	RxD3-(A)
GND	03	22	RTS3-(A)
CTS3+(B)	04	23	RTS3+(B)
TxD3+(B)/Data3+(B)	05	24	RxD3+(B)
CTS4-(A)	06	25	TxD4-(A)/Data4-(A)
RxD4-(A)	07	26	GND/VEE4
RTS4-(A)	08	27	CTS4+(B)
RTS4+(B)	09	28	TxD4+(B)/Data4+(B)
RxD4+(B)	10	29	CTS2-(A)
TxD2-(A)/Data2-(A)	11	30	RxD2-(A)
GND/VEE2	12	31	RTS2-(A)
CTS2+(B)	13	32	RTS2+(B)
TxD2+(B)/Data2+(B)	14	33	RxD2+(B)
CTS1-(A)	15	34	TxD1-(A)/Data1-(A)
RxD1-(A)	16	35	GND/VEE1
RTS1-(A)	17	36	CTS1+(B)
RTS1+(B)	18	37	TxD1+(B)/Data1+(B)
RxD1+(B)	19		

RS-422/485 Female DB-37 Connector

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 Female DB-37 to Male DB-9 Connector

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Multi-port Serial Cards