



VXC-182iAU

Serial Communication Card with 1 Isolated RS-422/485 port and 1 RS-232 port



Hardware Specifications

Communication Port		
COM1	RS-422/485	The RS-422 and RS-485 cannot be used simultaneously
	RS-422	TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND (with 2.5 kV Isolation)
	RS-485	Data+, Data-, GND (with 2.5 kV Isolation)
COM2		RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)
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
General		
Bus Type		Universal PCI, 3.3 V and 5 V, 33 MHz, 32-bit, Plug and Play mechanism
COM-Selector		Yes (8-bit DIP switch)
Connector		2 x DB-9 (Male)
Power Consumption		200 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

Ordering Information

VXC-182iAU CR	Universal PCI Bus, Serial Communication Card with 1 Isolated RS-422/485 port and 1 RS-232 port (RoHS)
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Accessories

CA-0910F 	9-Pin Female-Female D-Sub Cable 1 m
CA-0915 	9-Pin Male-Female D-Sub Cable, 1.5 m

Features

- Built-in COM-Selector
- Provides 1 RS-422/485 port and 1 RS-232 Port
- 2500 Vrms Isolated RS-422/485 Port
- Supports 3.3 V/5 V PCI bus, Plug and Play
- Up to 128 KB Software FIFO for Each Port Under Windows
- Short Card Design
- ±4 kV ESD Protection
- 128-byte Hardware FIFO for Each Port
- Automatic RS-485 Direction Control
- RoHS compliant & no Halogen



Software

Drivers

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



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

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

COM2: RS-232 Male DB-9 Connector

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)