



## VXC-182i / VXC-182iU

► Available soon

VXC-182i: PCI Bus, 1-Port Isolated RS-422/485 and 1-Port RS-232 Communication Board.

VXC-182iU: Universal PCI Bus, 1-Port Isolated RS-422/485 and 1-Port RS-232 Communication Board.

### Features

- Built-in Com-Selector
- Self-Tuner Inside
- 3 kV Isolated RS-422/485 port
- Up to 128 KB software FIFO for each COM port under Windows
- Short Card Design
- Provides 1-isolated RS-422/485 port and 1 RS-232 port
- +/-4 kV ESD Protection
- LED diagnostic indicators

#### [VXC-182i only]

- Supports 5 V PCI bus, Plug and Play
- 16 bytes hardware FIFO for each port

#### [VXC-182iU only]

- Supports 3.3 V/5 V PCI bus, Plug and Play
- 128 bytes hardware FIFO for each port

### Software

- DOS Lib
- Driver for Windows NT 4.0
- Driver for Windows 2000/XP/2003
- Driver for Linux



## Introduction

### Functional Description

The VXC-182i/VXC-182iU serial card provides two communication ports, one is RS-422/485 and the other is RS-232 port. RS-422/RS-485 serial ports can withstand isolation voltage up to 3 kV. It can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication, offers speed up to 115200 bps and long distance communication link.

In the harsh industrial environment, the on board ESD protection can protect the computer and equipment from being damaged by high potential voltage.

In addition, the user can select a specified COM port number manually by setting dip switch, or let the driver to 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.

## Applications

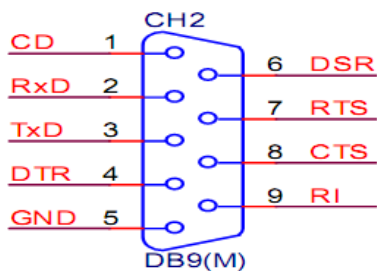
- Industrial Machinery
- Building Automation
- Restaurant Appliances
- Laboratory Equipment & Research
- Industrial Communication

## Specifications

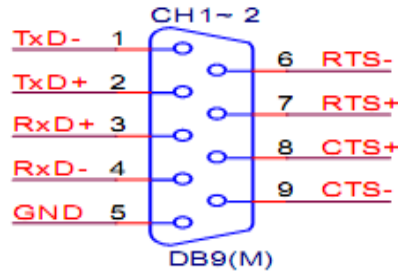
	VXC-182i	VXC-182iU
Interface	PCI bus (+5 V)	Universal PCI bus (+3.3 V or +5 V)
COM1	Isolated RS-422/485	
COM2	RS-232	
UART	16C550 compatible	
Baud Rate	50 ~ 115200 bps	
Data Bit	5, 6, 7, 8	
Stop Bit	1, 1.5, 2	
Parity	None, Even, Odd, Mark, Space	
FIFO	Internal 16 bytes	Internal 128 bytes
Connector	2 x DB9 (Male)	
Operating Temperature	0 ~ 50 °C	
Storage Temperature	-20 °C ~ 70 °C	
Humidity	0 ~ 90% RH, non-condensing	
Dimensions (L X W)	140 mm x 95 mm	

## Pin Assignment

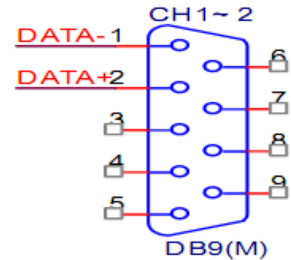
### RS-232 Cable Wiring



### RS-422 Cable Wiring



### RS-485 Cable Wiring



## Ordering Information

<b>VXC-182i</b>	PCI Bus, 1-port Isolated RS-422/485 and 1-port RS-232 Communication Board.
<b>VXC-182iU</b> ~Available soon~	Universal PCI Bus, 1-port Isolated RS-422/485 and 1-port RS-232 Communication Board.

## Optional Accessories

<b>CA-0910F</b>	9-pin Female-Female D-sub Cable 1 M.
<b>DN-09-2F</b>	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).
<b>CA-090910</b>	9-pin Female D-sub cable for RS-422 connector, 1 M.
<b>CA-PC09F</b>	9-pin Female D-sub connector with plastic cover.
<b>CA-0915</b>	9-pin Male-Female D-sub cable, 1.5 M.



CA-0910F



DN-09-2F



CA-090910



CA-PC09F



CA-0915