

VXC-182i

PCI Bus, 1-Port Isolated RS-422/485 and 1-Port RS-232 Communication Board



VXC-182i

COM-Selector

Isolated

Self-Tuner

Short Card

Functional Description

The VXC-182i card provides one isolated RS-422/RS-485 port and one RS-232 port. The first one can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication.

The user can select a specified COM port number manually by setting dip switches, or let the driver to choose an available number automatically. The driver provides up to 128KB software FIFO for each COM port under Windows. It's practical for large file transmission.

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

Specifications

- PCI (v2.1), 5V, 33MHz, 32-bit, Plug and Play mechanism
- Number of ports: 2
- Interface:
 - 1 isolated RS-422/485 port
 - 1 independent RS-232 port
- UART: 16C550 compatible
 - Speed: 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
- Connector: 2 x DB9 (Male)

General Specifications

- Operating temperature: 0 ~ 60°C
- Operating humidity: 10 ~ 90% non-condensing
- Storage temperature: -20 ~ 70°C
- Storage humidity: 5 ~ 95% non-condensing
- Dimensions: 140 mm x 95 mm

Software

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

Advantages

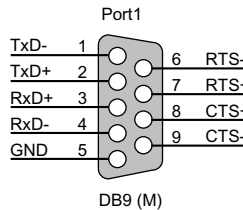
- Built-in COM-Selector
- Self-Tuner inside
- 3KV isolated RS-422/485 port
- Up to 128KB software FIFO for each COM port under Windows
- Short Card Design

Features

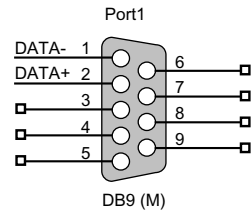
- Supports PCI bus, Plug and Play
- Provides 1 isolated RS-422/485 port and 1 RS-232 port
- Provides surge protection
- LED diagnostic indicators
- DOS, Windows NT/2K/XP/2003 and Linux driver supported

Pin Assignment

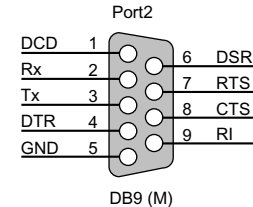
RS-422 Cable wiring



RS-485 Cable wiring



RS-232 Cable wiring



Ordering Information

Standard

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Optional

- CA-090910:** 9-pin Female D-sub cable for RS-422 Connector, 1m
- CA-0910F:** 9-pin Female-Female D-sub Cable, 1m
- CA-0915:** 9-pin Male-Female D-sub cable, 1.5m
- 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 Headers. There are CA-0910F x 2 (9-pin Female-Female D-sub Cable 1m) included.