

## PCI Communication Board

# VXC-112 / VXC-112i

VXC-112: Universal PCI Bus, 2-port RS-232 Communication Board

VXC-112i: Universal PCI Bus, 2-port Isolated RS-232 Communication Board



### VXC-112

COM-Selector

Universal PCI

Short Card



### VXC-112i

COM-Selector

Universal PCI

Isolated

Short Card

### Functional Description

The VXC-112 communication card provides 2 independent RS-232 serial ports, while the VXC-112i card provides 2 isolated and independent RS-232 serial ports. Each port can work 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 an 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 voltages.

### Specifications

- Universal PCI, 5V and 3.3V, 33MHz, 32-bit, Plug and Play mechanism
- Number of ports: 2
- Interface:
  - Non-isolated RS-232 for VXC-112
  - Isolated RS-232 for VXC-112i
- 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: 130 mm x 105 mm (VXC-112)  
140 mm x 95 mm (VXC-112i)

### Advantages

- Built-in COM-Selector
- Universal PCI (3.3V and 5V)
- 3KV Isolated ports for VXC-112i
- Up to 128KB software FIFO for each COM port under Windows
- Short Card Design
- Stop bit: 1, 1.5, 2

### Features

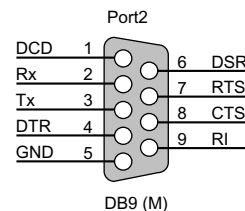
- Supports Universal PCI bus, Plug and Play
- Provides 2-port RS-232
- Provides surge protection
- LED diagnostic indicators
- DOS, Windows NT/2K/XP/2003 and Linux driver supported

### Software

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

### Pin Assignment

#### RS-232 Cable wiring



### Ordering Information

#### Standard

**VXC-112:** Universal PCI bus, 2-port RS-232 communication board

**VXC-112i:** Universal PCI bus, 2-port isolated RS-232 communication board

#### Optional

**CA-0910F:** 9-pin Female-Female D-sub Cable, 1.0m

**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, 1.0m) included.