

VXC-144

Universal PCI bus, 4-port RS-422/485 Communication Board



VXC-144

COM-Selector

Self-Tuner

Universal PCI

Short Card

Advantages

- Built-in COM-Selector
- Universal PCI (3.3V and 5V)
- Self-Tuner Inside
- Up to 128KB software FIFO for each COM port under Windows
- Short Card Design

Features

- Supports Universal PCI bus, Plug and Play
- Provides 4-port RS-422/RS-485
- Provides surge protection
- LED diagnostic indicators
- DOS, Windows NT/2K/XP/2003 and Linux driver supported

Functional Description

The VXC-144 card provides 4 independent RS-422/RS-485 serial ports. Each port can be configured as either RS-485 for half-duplex or RS-422 for full-duplex communication. It offers speed up to 115.2Kbps and long distance communication link.

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 voltage.

Applications

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

Specifications

- Universal PCI, 3.3V and 5V, 33MHz, 32-bit, Plug and Play mechanism
- Number of ports: 4
- Interface: Non-isolated RS-422/485
- 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: 10-pin female RJ-45 Jack

General Specifications

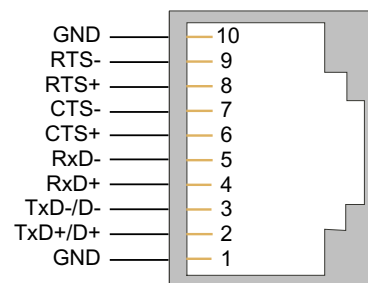
- Operating temperature: 0 ~ 60°C
- Operating humidity: 10 ~ 90% non-condensing
- Storage temperature: -20 ~ 70°C
- Storage humidity: 5 ~ 95% non-condensing
- Dimensions: 130 mm x 105 mm

Software

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

Pin Assignment

RJ-45 Port1~4



Ordering Information

Standard

VXC-144: PCI bus, 4-port RS-422/485 communication board

Optional

CA-RJ1003: 10-pin & RJ-45, 30cm Cable