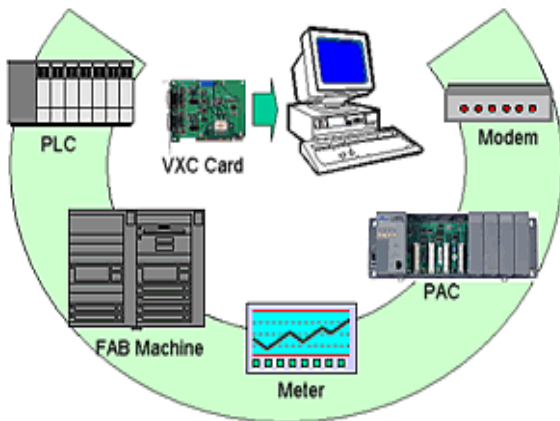


## Multi-Port Series



- ✓ **Built-in COM-Selector**
- ✓ **Universal PCI (3.3v and 5v)**
- ✓ **Programmable Firmware**
- ✓ **MiniOS7 Inside**
- ✓ **Up to 128KB software FIFO**
- ✓ **Self-tuner Inside**
- ✓ **Surge Protection & Isolation**
- ✓ **Short Card Design**
- ✓ **Various Accessories**

### Overview

The VXC multi-port serial card enables user to install additional communication ports on the PC. It's the best choice for time-critical and reliably communications and controls on the industrial environment. For example: Communicates to PLC, FAB machine, meter, console management of devices, laboratory instruments and Modem link, etc.

### Features

#### COM-Selector:

The VXC series cards equip a COM-Selector (dip switch) for the COM port number selection (automatically or manually). It's an important and innovative feature of the VXC cards. It has the following advantages:

- Simplifies the COM port number selection without using configuration utility programs.
- Users specify the COM port number exactly what they want, no matter which PCI slot is using.
- Automatically select an available COM port number is supported by setting the COM-Selector (dip switch) to 0 (default).
- Needn't to install configuration utility for different OS, and needn't to study operations of the utility.
- Prevents confusion. Other PnP COM port devices always confusing users by using a dynamic COM port number.
- Replacing an existing card is very easy, just setting the dip switch to the same.
- It's great for mass system installation, just setting the dip switch to use the same COM port number in systems.

#### Up To 128KB Software FIFO:

The VXC card driver for Windows features a maximums 128KB software FIFO for each port (default is 4KB). It's practical for large file transmission.

#### Self-Tuner:

The RS-485 ports of VXC cards equip a "Self-Tuner" chip, which controls the sending/receiving direction, baud rate and data format automatically and reduces the software loading for such controls.

#### Programmable:

The VXC-114H card is an intelligent and programmable communication board. Users can develop their own powerful and customized firmware with MiniOS7 SDK very easy. This is useful for encryption/decryption, data filter, logger, compression, protocol converter and re-director applications etc.

#### Surge Protection & Isolation:

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

#### Short Card Design:

The "Short Card" design is suitable for compact-size computer, especially for IPC and servers.

#### Universal PCI (3.3v and 5v):

The Universal PCI card works with 3.3v new PCI-X bus and 5v PCI bus. The new design of ICPDAS products will equip the Universal PCI feature soon.

#### Various Accessories:

There are a lot of optional accessories for the VXC cards, such as RS-232/RJ-45 cables and daughter boards. These make wiring easily.



## Selection Guide

Model No.	VXC-112	VXC-112i	VXC-114H	VXC-142	VXC-142i	VXC-144	VXC-182i
Bus	Universal PCI	Universal PCI	PCI	PCI	PCI	Universal PCI	PCI
COM-Selector	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RS-232 Ports	2	2-Isolated	4	-	-	-	1
RS-422/485 Ports	-	-	-	2	2-Isolated	4	1-Isolated
Self-Tuner	-	-	-	Yes	Yes	Yes	Yes
Isolation	-	3KV	-	-	3KV	-	3KV
Surge Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max. Speed (bps)	115.2K	115.2K	115.2K	115.2K	115.2K	115.2K	115.2K
Programmable	-	-	Yes	-	-	-	-
Microprocessor	-	-	80186	-	-	-	-
Flash/SRAM (KB)	-	-	512 / 512	-	-	-	-
Connector	DB9 (Male)	DB9 (Male)	RJ-45 Jack	DB9 (Male)	DB9 (Male)	RJ-45 Jack	DB9 (Male)
Dimensions (mm)	130 x 105	140 x 95	130 x 110	130 x 105	140 x 95	130 x 105	140 x 95