VXC CARD QUICK START GUIDE

for **VXC-114iAU**

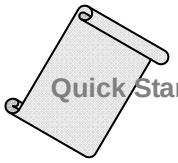
Language English
Version V1.0
Update Jan.2010

1 What's on your package?

1. **One VXC-114iAU series card**
2. **One ICP DAS software CD**
3. **One Quick Start Guide (this document)**

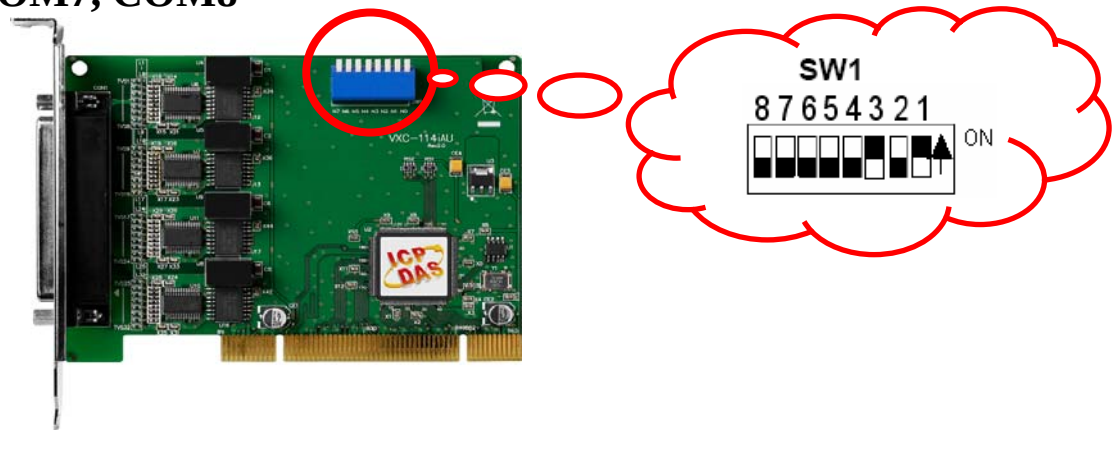
VXC-114iAU

Software CD



2 COM Port Mapping

Please set SW1 dip-switch (COM Selector) to 0x05 (1 and 3 "ON", others "OFF"). The setting forces the driver to install COM ports to COM5 , COM6, COM7, COM8。



SW1 setting table

SW1 DIP Switch	8	7	6	5	4	3	2	1
Board ID=**0x00** (**Default**) COM = Auto-defined	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Board ID=**0x03** COM = 3/4/5/6	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
Board ID=**0x05** COM = 5/6/7/8	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
Board ID=**0x07** COM = 7/8/9/10	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
Board ID=**0x09** COM = 9/10/11/12	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
Board ID=**0x14** COM = 20/21/22/23	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF
Board ID=**0x1E** COM = 30/31/32/33	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF
Board ID=**0x28** COM = 40/41/42/43	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF
Board ID=**0x32** COM = 50/51/52/53	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF
Board ID=**0x3C** COM = 60/61/62/63	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF
Board ID=**0x64** COM = 100/101/102/103	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF
Board ID=**0x96** COM = 150/151/152/153	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF
Board ID=**0xC8** COM = 200/201/202/203	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF
. . .								
Board ID=**0xFF** COM = 255/256/x/x	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**

3 Installing Windows Driver

1. **Launch the Windows NT/2K/XP/2003/32-bit Vista and 32-bit Windows 7 driver. The setup program is located at:**
   - CD: \Napdos\multiport\windows\ **VxCard2K_Vista32_Vxxxx (V20703 or later)**
   - http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/multiport/windows/
2. **Click the "Next>" button to start the installation.**
3. **Click the "Next>" button to install the driver into the default folder.**
4. **Check the "Create a desktop icon" and click the "Next>" button.**
5. **Select the "No, I will restart the computer later" and click the "Finish" button.**

For installing driver on other systems, please refer to:

- CD:\Napdos\multiport\manual\VXC_112U_142U_142iU_182iU_114U_144U_144iU_Manual.pdf
- http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/multiport/manual/

4 Installing Your Hardware

Follow these steps:

1. **Shut down and power off your computer**
2. **Remove the cover from the computer**
3. **Select an unused PCI slot**
4. **Carefully insert your VXC card into the PCI slot**
5. **Replace the PC cover**
6. **Power on the computer**

After powering-on the computer, please finish the Plug & Play steps according to the prompt message. Make sure the COM installed is correct as follows:

1. **Select "Start→Control Panel" and then double click the "system" icon.**
2. **Click the "Hardware" tab and then click the "Device Manager" button.**
3. **Check the COM ports of VXC card which list correctly or not.**

5 Pin Assignment and Cable Wiring

- **DB-37 Pin Assignment**

Pin Assignment	Terminal No.	Pin Assignment
N.C.	01	
DCD3	02	
GND	03	
CTS3	04	
RxD3	05	
RI4	06	
DTR4	07	
DSR4	08	
RTS4	09	
TxD4	10	
DCD2	11	
GND	12	
CTS2	13	
RxD2	14	
RI1	15	
DTR1	16	
DSR1	17	
RTS1	18	
TxD1	19	
	20	RI3
	21	DTR3
	22	DSR3
	23	RTS3
	24	TxD3
	25	DCD4
	26	GND
	27	CTS4
	28	RxD4
	29	RI2
	30	DTR2
	31	DSR2
	32	RTS2
	33	TxD2
	34	DCD1
	35	GND
	36	CTS1
	37	RxD1

RS-232 Female DB-37 Connector

- **DB-9 Pin Assignment**

Pin Assignment	Terminal No.	Pin Assignment
GND	05	
DTR	04	
TxD	03	
RxD	02	
DCD	01	
	09	RI
	08	CTS
	07	RTS
	06	DSR

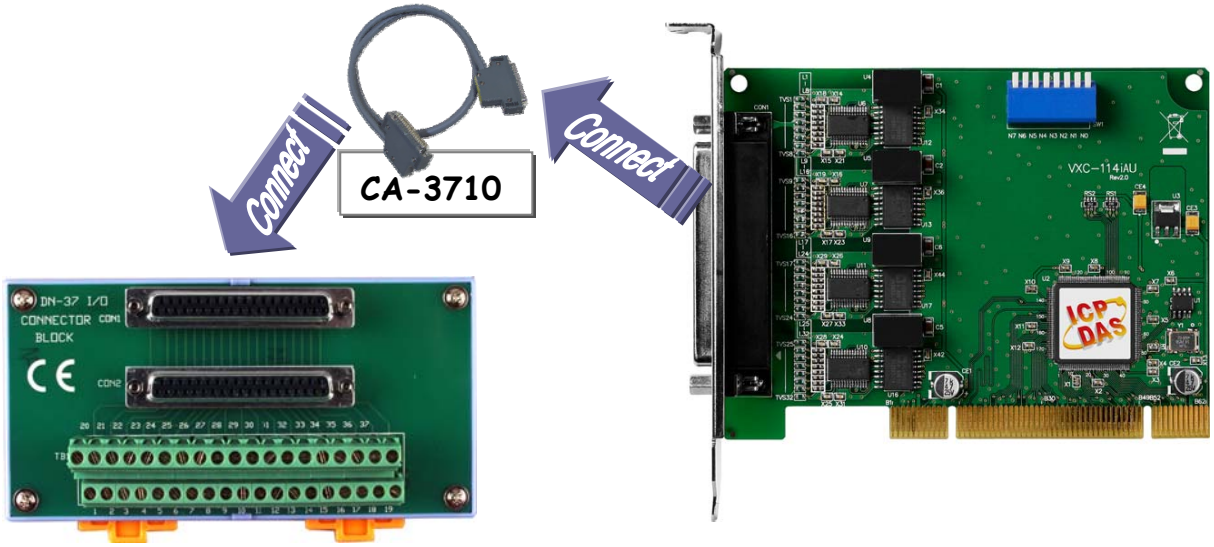
Male DB-9 Connector

- **RS-232 Cable Wiring**

System1	Pin		Pin	System2
RxD	2	←	3	TxD
TxD	3	→	2	RxD
GND	5	↔	5	GND
DTR	4	→	6	DSR
	--		1	DCD
DCD	1		--	
DSR	6	←	4	DTR
RTS	7	→	8	CTS
CTS	8	←	7	RTS
RI	9	←	9	RI

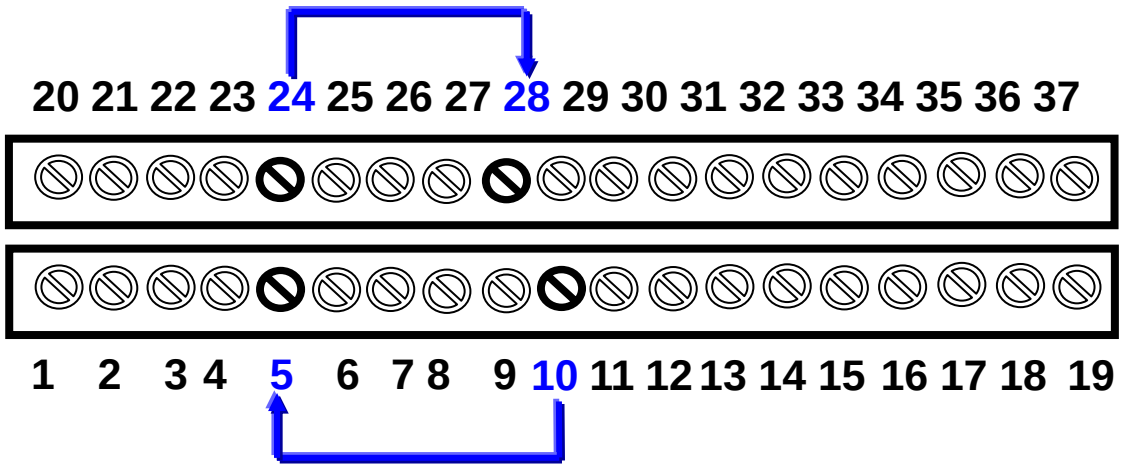
6 Self Test

1. Connect DN-37 (optional) with VXC-114iAU



2. Wire Port-3 and Port-4 for test

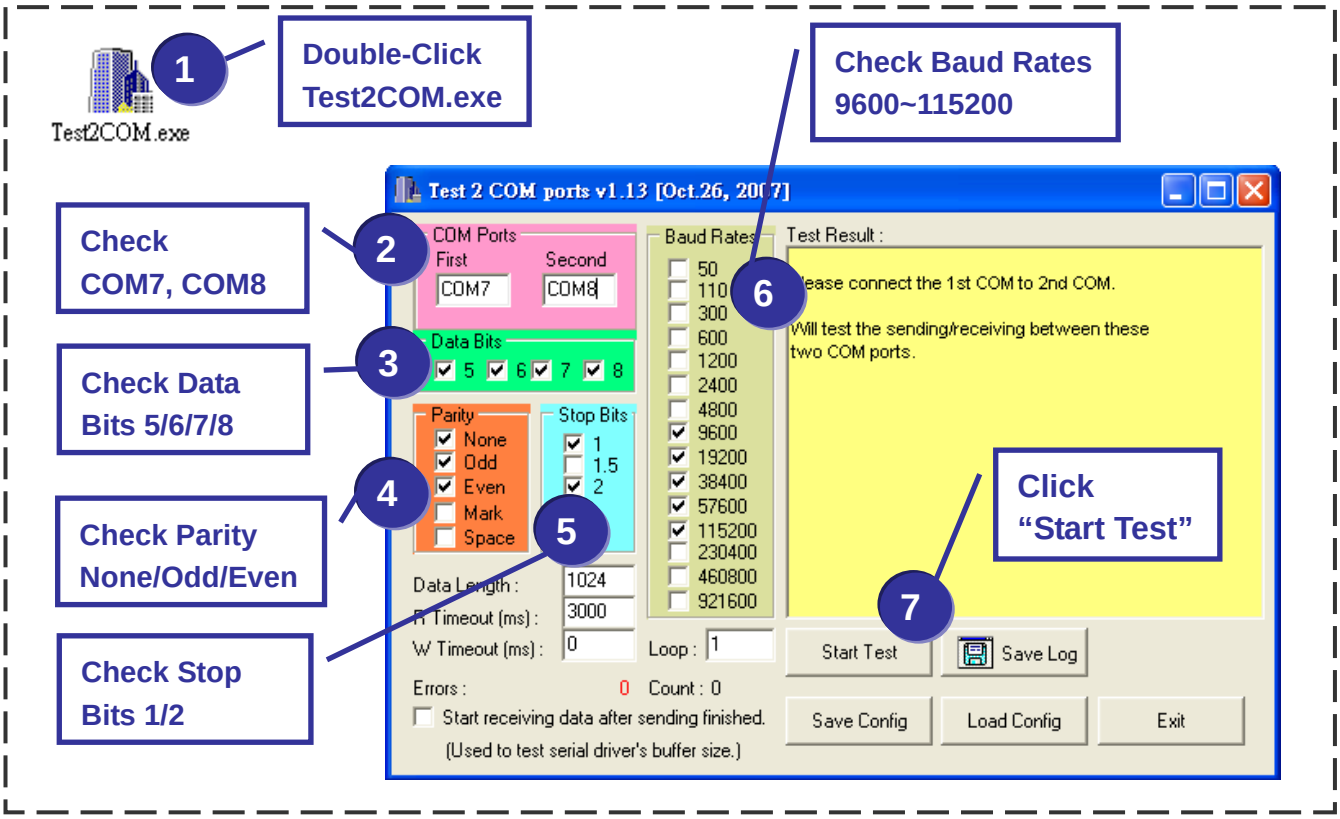
Pin Assignment	Pin No.		Pin No.	Pin Assignment
TxD3	24	↔	28	RxD4
RxD3	05	↔	10	TxD4



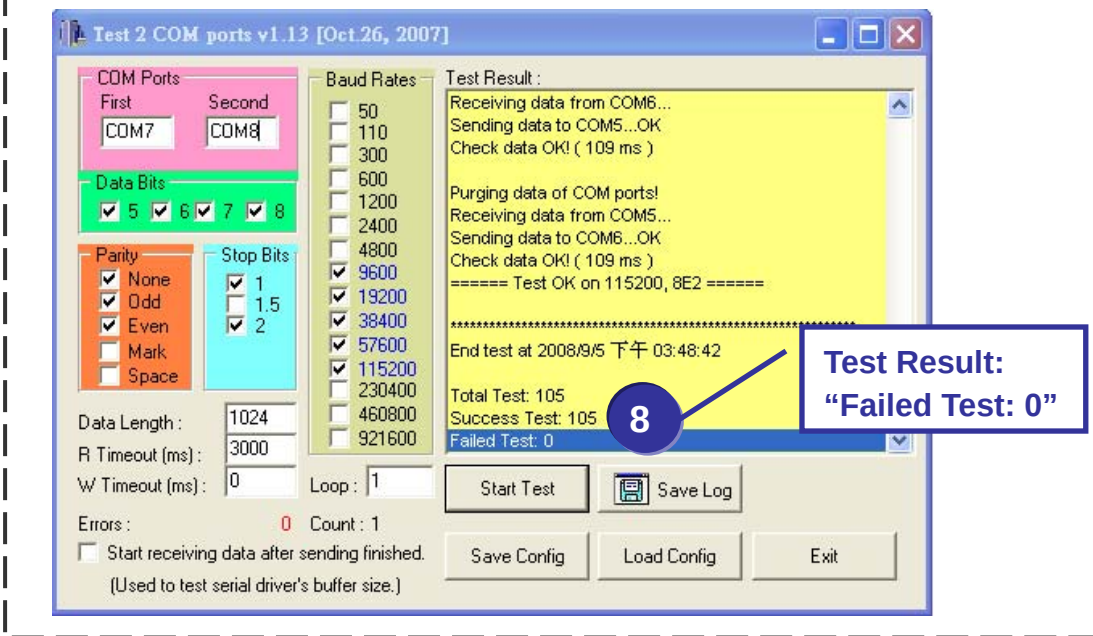
3. Execute the Test2COM.exe program.

Get the file from:

- CD:\Napdos\multiport\utility
- http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/multiport/utility/



4. Test Success.



7 Additional Information

- **VXC Card Product Page:**

  http://www.icpdas.com/products/Industrial/multi_serial/multi_introductions.htm

- **Documentation:**

  CD: \Napdos\multiport\manual
  http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/multiport/manual/

- **Software:**

  CD: \Napdos\multiport
  http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/multiport/

- **DN-37 (optional) Product Page:**

  http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm

- Technical support
- Supplies and ordering information
- Methods of enhancing your device
- FAQ
- Application examples

1. The ICP DAS Web Site
   http://www.icpdas.com/
2. Contact Us
   Service@icpdas.com