VXC CARD QUICK START GUIDE

for **VXC-114iAU**

Language	English
Version	V1.0
Update	Jan.2010

1 What's on your package?

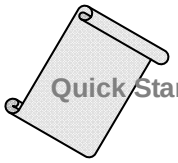
1. **One VXC-114iAU series card**
2. **One ICP DAS software CD**
3. **One Quick Start Guide (this document)**



VXC-114iAU

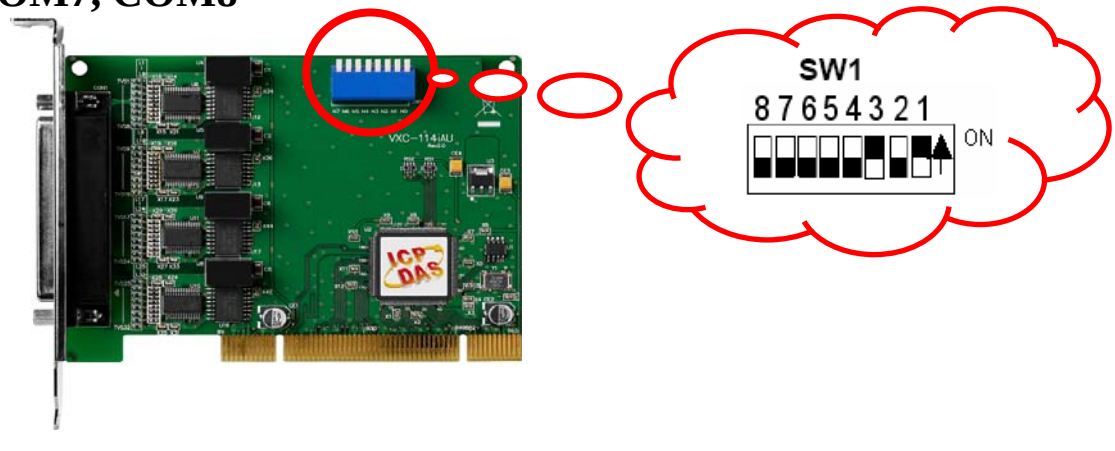


Software CD



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。



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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**

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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.**



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

5 Pin Assignment and Cable Wiring

- **DB-37 Pin Assignment**

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



RS-232 Female DB-37 Connector

- **DB-9 Pin Assignment**

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



Male DB-9 Connector

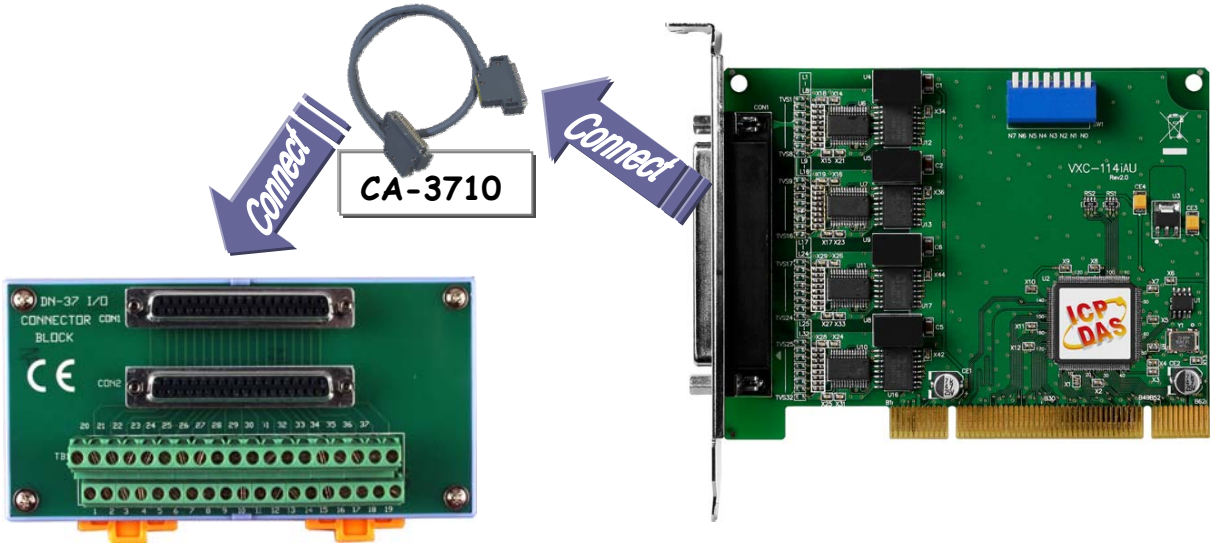
- **RS-232 Cable Wiring**

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

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

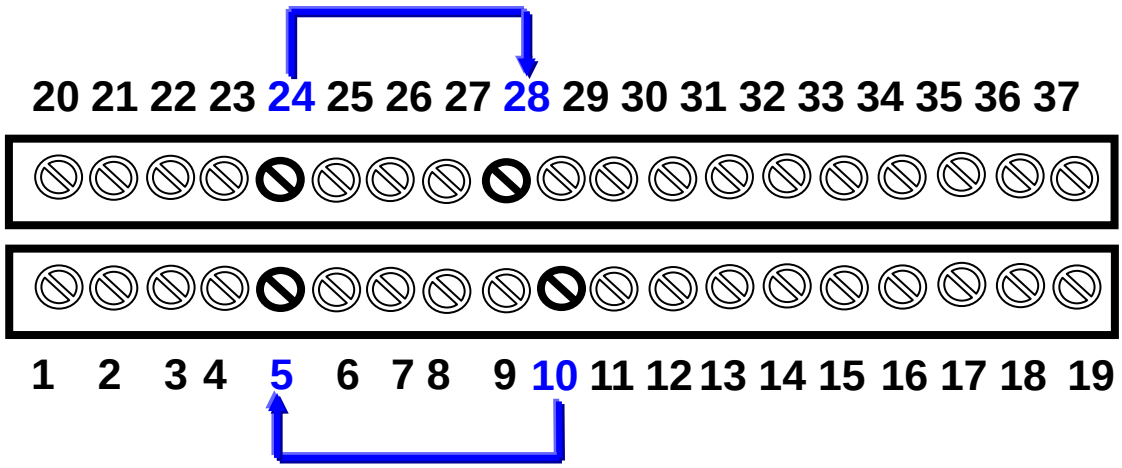
6 Self Test

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

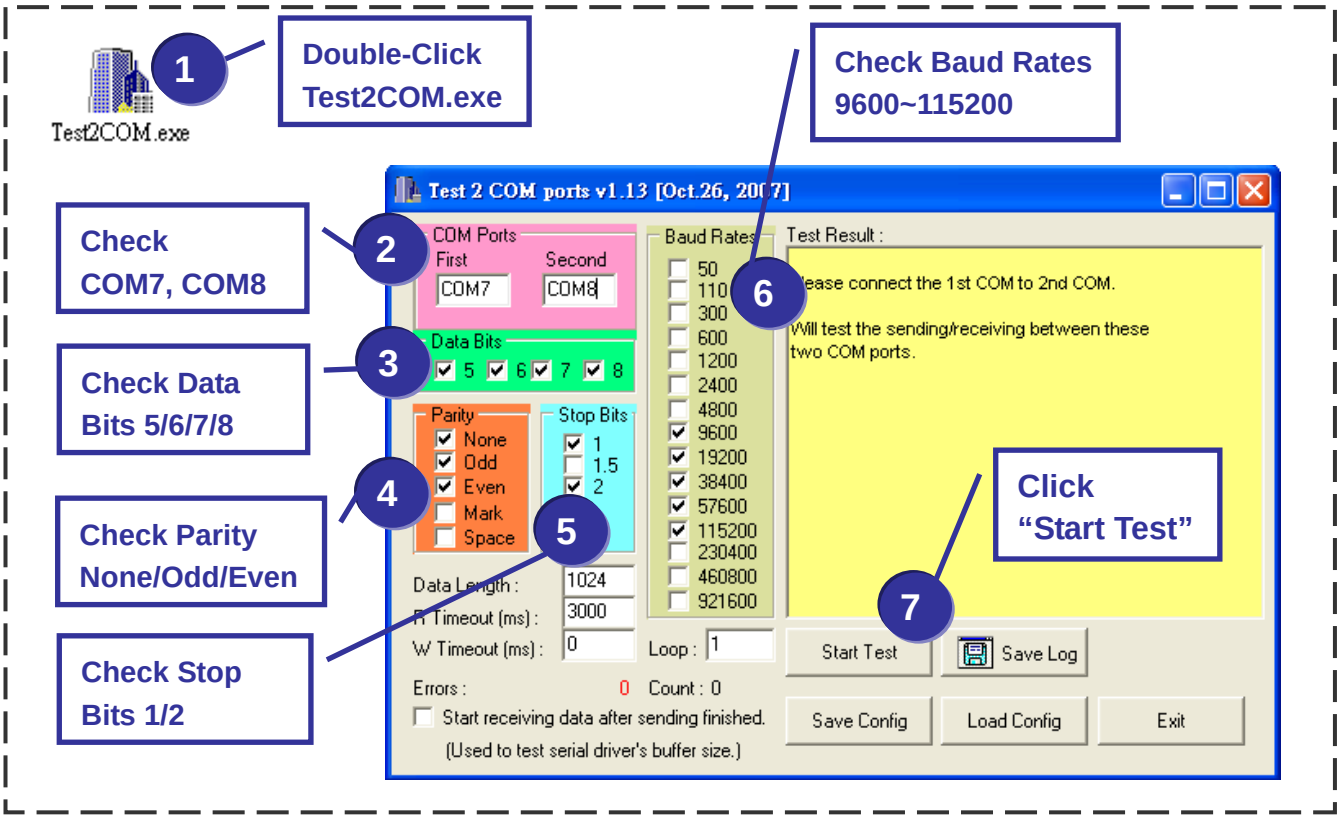


Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

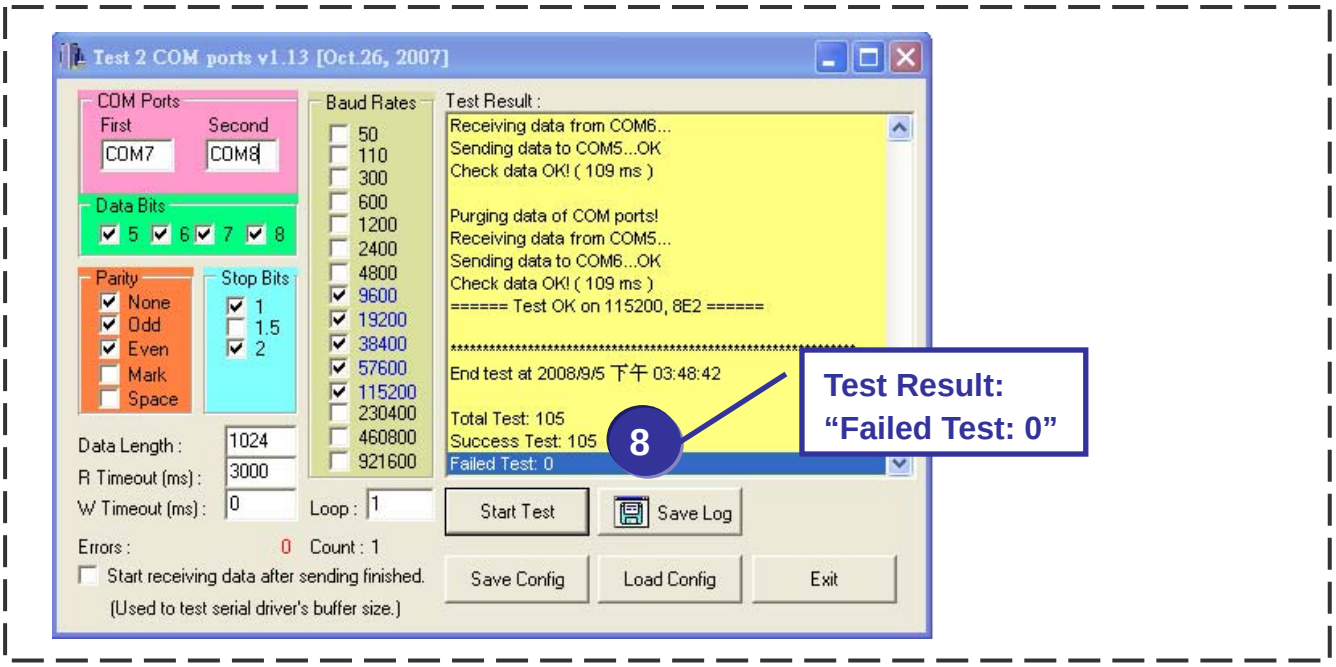
3. Execute the Test2COM.exe program.

Get the file from:

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



4. Test Success.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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

Copyright@2010 by ICP DAS Co., Ltd. All rights are reserved

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000