MOXA Multiport Serial Board

Windows 2003 Driver Installation Guide

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Welcome to the driver installation guide under Windows 2003 for MOXA Multiport Serial Boards. This installation guide is for all series of MOXA multiport serial boards, including PCI, ISA, and universal PCI boards.

The rest of this installation guide is divided into the following chapters:

Chapter 2, *Driver Installation for PCI Boards under Windows 2003*, sets forth the steps for installing the driver for PCI boards under Windows 2003.

Chapter 3, *Driver Installation for ISA Boards under Windows 2003*, elaborates on the steps for installing the driver for ISA boards under Windows 2003.

Chapter 4, *Changing the Properties of Multiport Boards*, tells you how to configure the properties of your multiport boards when needed.

Chapter 5, *Checking the Installation*, points out 3 approaches to check if the installation is successful. **Chapter 6**, *Uninstalling the Driver*, shows you how to uninstall the driver.

The Windows 2003 driver for MOXA's multiport boards supports the following products:

- PCI Boards: C104H/PCI, C104HS/PCI, C168H/PCI, CP-132, CP-132I, CP-132S, CP-132IS, CP-114, CP-114I, CP-114IS
- ISA Boards: C104P, C104H, C104HS, CI-104J, CI-104JS, C168P, C168H, C168HS, CI-104J, CI-132, CI-132I, CI-132IS, CI-134, CI-134IS
- cPCI Boards: CT-114I
- Universal PCI Boards: CP-104UL, CP-104JU, CP-168U, CP-132UL, CP-132U-I, CP-134U, CP-134U-I

For more information about our multiport board products or technical documents, contact your RSM or visit our website at <u>www.moxa.com</u>.

Driver Installation for PCI Boards under Windows 2003

This chapter includes information about how to install the driver for PCI boards under Windows 2003. Before you start the installation, you need to follow the steps for hardware installation in the user's manual enclosed with the product you purchased. The following steps are set forth using CP-114 Series as an example.

Installing the Driver

1. After installing the PCI board and powering on your PC, Windows 2003 will auto detect and find the PCI board you just added. The **Found New Hardware** window will open at the bottom right corner of the desktop.



2. The Welcome to the Found New Hardware Wizard window will open automatically. Select Install the software automatically (Recommended) and click on Next to continue.

Touriu New Haruware mizaru	
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	MOXA communication port
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	Install the software automatically (Becommended)
	C Install from a list or specific location (Advanced)
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext> Cancel

3. The Installation Wizard will start searching for the communication port.

round New Hardware Wizard			
Please wait while the wizard searches			
MOXA communication port			
(<u>< B</u> ack <u>N</u> ext> (Cancel		

The next window that opens cautions you that although this software hasn't passed Windows Logo testing, this driver has already been tested and been shown that it can support Windows OS. Click on Continue Anyway to proceed.

Instantion
The software you are installing for this hardware: MOXA Port 0 has not passed Windows Logo testing to verify its compatibility with this version of Windows. <u>(Tell me why this testing is important)</u> Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly
recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

5. A window will open showing the setup file of MOXA Port 0 is being copied.

Found New Hardware Wizard				
Please wait while the wizard installs the software				
J MOXA Port 0				
Ď	>	Þ		
	< <u>B</u> ack	<u>N</u> ext >	Cancel	

6. A window will open showing the driver installation for MOXA Port 0 is completed.

Found New Hardware Wizard				
	Completing the Found New Hardware Wizard			
No.	The wizard has finished installing the software for:			
	MOXA Port 0			
	Llick Finish to close the wizard.			
	< Back Finish Cancel			

7. Repeat steps 2 to 6, until the driver installation for every port is completed.

3

Driver Installation for ISA Boards under Windows 2003

This chapter includes information about how to install the driver for ISA boards under Windows 2003. Before you start the installation, you need to follow the steps for hardware installation in the user's manual enclosed with the product you purchased. The following steps are set forth using C168 Series as an example.

Installing the Driver

1. After you installed the board and powered on your PC, use your mouse to position the cursor over your desktop's **My computer**, click the right mouse button, and then select **Properties**.



2. When the **System Properties** window opens, click on the **Hardware** tab, and then click on **Add Hardware Wizard** to start the installation.

stem Prop	erties				?
Advanced		Automatic L	Jpdates	Remote	
Gene	General		Computer Name		
Add Har	Add Hardware Wizard				1
The Add Hardware Wizard helps you install hardware.					
			Add <u>H</u> ar	dware Wizard	
Device N	/lanager				1
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.					
	Driver <u>S</u> igning <u>D</u> evice Manager				
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations.]
Hardware Profiles					

3. A Welcome message will appear. Click on Next to continue.



4. A window will open showing that the computer is searching for the serial board you just added to your computer.

dd Hardware Wizard				
Please wait while the wizard searches				
This wizard is searching for hardware that has been connected to your computer recently but has not yet been installed.				
3				
< <u>B</u> ack <u>N</u> ext > Car	icel			

5. A window will open asking if you have already connected the serial board to your computer. Select **Yes**, **I** have already connected the hardware, and click on Next to continue.

Auu naruware wizaru	
Is the hardware connected?	
Have you already connected this hardware to your computer?	
< <u>B</u> ack	Next > Cancel

6. The next window to open lists many hardware options. Select **Add a new hardware device**, and then click **Next** to continue.

Add Hardware Wizard				
The following hardware is already installed on your computer				
From the list below, select an installed hardware device, then click Next to check properties or troubleshoot a problem you might be having.				
To add hardware not shown in the list, click "Add a new hardware device."				
Installed hardware:				
🗾 MOXA Communication Port 3 (CDM5)				
MOXA Communication Port 4 (CDM6)				
Intel(r) Pentium(r)III processor				
Controller				
Add a new hardware device				
)				
Z Back Newth Cano				

7. When the next window opens, select **Install the hardware that I manually select from a list (advanced)**, and then click on **Next** to continue.

d Hard	Hardware Wizard			
The w	fhe wizard can help you install other hardware			
Tł kr	he wizard can search for other hardware and automatically install it for you. Or, if you now exactly which hardware model you want to install, you can select it from a list.			
W	What do you want the wizard to do?			
	\bigcirc Search for and install the hardware automatically (Recommended)			
	Install the hardware that I manually select from a list (Advanced)			
	< Back Next > Cancel			

A window will open asking you to select the type of hardware you are installing. Select Multi-port serial adapters, and then click on Next to continue.
 Add Hardware Winard

Add Hardware wizard	
From the list below, select the type of hardwa	re you are installing
If you do not see the hardware category you want, Common hardware tupes:	click Show All Devices.
Intel AIM Codec	
Modems	
Multi-port serial adapters	
Network adapters	
PCMCIA adapters	
PCMCIA and Flash memory devices	
Ports (COM & LPT)	
le Printers	
CSCSL and BAID controllers	•
<	Back Next > Cancel

9. The next window to open asks you to select the driver you want to install. Click **Have Disk...** to install from the floppy disk or CD-ROM enclosed with the serial board you purchased.

Add Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Manufacturer Model Digi International Moxa Technologies Inc. Image: Comparison of the second
This driver is digitally signed. Have Disk
< <u>B</u> ack Next> Cancel

10. The **Install From Disk** window that opens prompts you to insert the installation disk into your computer's disk drive. After inserting the disk, click **OK** to continue.

Install Fro	om Disk	×
F	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	<u>B</u> rowse

11. The next window to open prompts you to select the model of the board. In this case, select **MOXA C168** Series (ISA Bus), and then click Next to continue.

Auu naruware wizaru		
Select the device driver you want to install for this hardware.		
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.		
Model MOXA C168 Series (ISA Bus) MOXA C168H/PCI Series (PCI Bus) MOXA C1-64U Series (ISA Bus) MOXA C1-132 Series (ISA Bus) MOXA C1-132 Series (ISA Bus)		
Image: This driver is not digitally signed! Have Disk Image: Tell me why driver signing is important Have Disk		
< <u>B</u> ack <u>N</u> ext > Cancel		

12. A window will open, stating that wizard is ready to install the driver for C168 Series. Click **Next** to continue.

Add Hardware Wizard	
The wizard is ready to install your hardw	Hare E
Hardware to install:	
MOXA C168 Series (ISA Bus)	
To start installing your new hardware, click N	Next.
	< <u>Back</u> <u>Next></u> Cancel

13. Although the next window to open states that the software hasn't passed Windows Logo testing, you can rest assured that this driver has already been tested and been shown that it can support this Windows OS. Click on **Continue Anyway** to proceed.

Hardware	ardware Installation	
1	The software you are installing for this hardware: MDXA C168 Series (ISA Bus) has not passed Windows Logo testing to verify its compatibility with this version of Windows. (Tell me why this testing is important) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.	
	[Continue Anyway] STOP Installation	

14. The next window to open shows the installation files are being copied.

Copying Files		>
6	D	
mxsicfg.dll To F:\WINDOWS\system32		
	Canc	el

 The Completing the Add Hardware Wizard window will open next, stating that the installation for MOXA C168 Series is completed. Click Finish to end the installation.
 Add Hardware Wizard

Completing the Add Hardware Wizard
The following hardware was installed: MOXA C168 Series (ISA Bus) Check your hardware documentation to see whether you have to manually configure your new hardware. For the hardware to work, you will have to restart the computer.
View or change resources for this hardware (Advanced)
To close this wizard, click Finish.
< <u>B</u> ack Finish Cancel

16. The **System Settings Change** window will open, asking to restart your computer to let new settings take effect. Click **Yes** to restart your computer.

System 9	Settings Change 🔀
2	You must restart your computer before the new settings will take effect.
~	Do you want to restart your computer now?
	<u>Yes</u> <u>N</u> o

17. After your computer has restarted, the Found New Hardware Wizard window will open to help you install the driver for MOXA Port 0. Select Install the software automatically (Recommended), and then click Next to continue.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
	M0XA Port 0	
What do you want the wizard to do?		
Install the software automatically (Recommended) Install from a list or specific location (Advanced)		
	Click Next to continue.	
	< Back Next > Cancel	

18. The wizard will start to copy the installation files. After all installation files are copied, the **Completing the Found New Hardware** Wizard window will open, stating that the installation is finished. Click **Finish** to end the installation.

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard	
	The wizard has finished installing the software for:	
	M0XA Port 0	
	Click Finish to close the wizard.	
	< Back Finish Cancel	

19. The driver installation for ports will continue until the installation of each port is completed.

Changing the Properties of Multi-port Boards

This chapter includes information about how to change your ISA boards' configuration if they are not set with default settings.

1. Use your mouse to position the cursor over your desktop's **My computer**, click the right mouse button, and select **Properties**.



2. The Device Manager window will open. You can find MOXA C168 Series under Multi-port serial adapters, and MOXA communication ports under Ports (COM & LPT).



3. Select MOXA C168 Series (ISA Bus), click the right mouse button, and select Properties.



4. When the MOXA C168 Series (ISA Bus) window opens, click on the **Resources** tab.

General Ports Co	nfiguration Driver Resource	s	
	C168 Series (ISA Bus)		
<u>R</u> esource setting:	:		
Resource type	Setting		
I/O Range	0280 - 02BF		
I/O Range	01C0 - 01C0		
IRQ	10		
Setting <u>b</u> ased on:	Basic configuration 0000		
	Use automatic settings	Change Setting	
Conflicting device list:			
No conflicts.		×	
		OK Cancel	

5. Select Basic configuration 0000 under Setting Based on:, select I/O Range under Resource settings:, and click OK.

MOXA C168 Series	(ISA Bus) Properties	<u>?</u> ×
General Ports Co	nfiguration Driver Resources	
	C168 Series (ISA Bus)	
<u>R</u> esource settings	x	
Resource type	Setting	
<mark></mark> 1/0 Range	0280 - 02BF	
I/O Range	01C0 - 01C0	
Ind Ind	10	
Setting <u>b</u> ased on:	Basic configuration 0000	
	Use automatic settings	
Conflicting device	list:	
No conflicts.	A V	
	OK Ca	ncel

6. When the Edit Input/Output Range window opens, you can change the values of the board's parameters. Click OK to return to the Resources window.

Edit Input/Output Range	? ×
Enter the input/output range you would like to set for this dev	ice.
You may either enter a specific range and the nearest valid ra will be automatically selected, or you may select a range using up and down arrows.	inge g the
This resource is assigned to the following child device(s):	
⊻alue: 0280 - 028F	
Conflict information	
I he setting you have chosen does not conflict with any oth devices.	ier
No devices are conflicting.	
OK Canc	el

7. If you need to change Interrupt Vector settings and IRQ settings as well, select the second **I/O range** under **Resource settings:** or **IRQ**, change the value, and then click **OK** to close the window.

MOXA C100 Series	(ISA bus) Propercies	-i
General Ports Co	nfiguration Driver Resources	
	(168 Series (ISA Bus)	
<u>Resource settings</u>	:	
Resource type	Setting	
🛄 1/0 Range	0280 - 02BF	
I/O Range	01C0 - 01C0	
IRQ	10	
Setting <u>b</u> ased on:	Basic configuration 0000	
	Use automatic settings	
Conflicting device	list:	
No conflicts.	 ▼	
	OK Car	ncel

8. The **System Settings Change** window will open next, asking you to restart your computer to let the new settings take effect. Click **Yes** to restart your computer.

System S	Settings Change 🔀
?	You must restart your computer before the new settings will take effect.
	Do you want to restart your computer now?
	Yes No

5

This chapter presents 3 approaches to examine whether the installation is successful. In this chapter, we use C168 Series as a example model.

Using Device Manager

- 1. Use your mouse to position the cursor over your desktop's **My computer** icon, click the right mouse button, and then select **Properties**.
- 2. When the **System Properties** window opens, click on the **Hardware** tab, and then click on **Device Manager**.
- 3. When the **Device Manager** window opens, you will be able to find **MOXA C168 Series** under **Multi-port serial adapters**, and **MOXA communication ports** under **Ports (COM & LPT)**.



4. If there are any special marks, such as a question mark or an exclamation mark in front of the icons, the installation of the board or the ports was not successful. Examine the **Event Log** for details.

Using PComm

The PComm Diagnostic program is a very useful tool for checking the status of MOXA's multiport boards. It provides internal and external testing of IRQ, TxD/RxD, UART, CTS/RTS, DTR/DSR, DTR/DCD, etc. This program can be used to make sure that MOXA's boards and ports are working properly. To start this program, click on Start \rightarrow Programs \rightarrow PComm Lite 2000 Ver. 1.0 \rightarrow PComm Diagnostic.

NOTE: If you do not have the PComm software, you can download the free version from Moxa's website at www.moxa.com.

Using Event Log

To use Event Log to check MOXA boards, click Start \rightarrow Settings \rightarrow Control Panel \rightarrow Administrative Tools \rightarrow Event Viewer to enter the Event Viewer program. You can find the latest warning messages relevant to MOXA's drivers under System category.

6

Uninstalling the Driver

This chapter includes information about uninstalling the driver. In this chapter, we use CP-114 Series (PCI bus) as the example model.

1. Use your mouse to position the cursor over your desktop's **My computer**, click the right mouse button, and select **Properties**.

My Com	nuter
	<u>O</u> pen
	Explore
	S <u>e</u> arch
	Manage
	Map <u>N</u> etwork Drive
	Disconnect Network Drive
	Create <u>S</u> hortcut
	Delete
	Rena <u>m</u> e
	P <u>r</u> operties

2. When the **System Properties** window opens, click on the **Hardware** tab, and then click on **Device Manager**.

System Prop	erties			?>
Advar Gene	nced ral	Automatic I Computer N	Jpdates ame	Remote Hardware
Add Hard	dware Wizar The Add H	d Iardware Wizard he	lps you install h Add <u>H</u> ard	ardware. dware Wizard
Device N	fanager The Devic on your co properties Driv	e Manager lists all t mputer. Use the De of any device. ver <u>S</u> igning	he hardware dø vice Manager Devic	evices installed to change the e Manager
Hardward	e Profiles Hardware different ha	profiles provide a w ardware configuratio	ay for you to se ins. Hardw	it up and store are <u>P</u> rofiles
		ОК	Car	ncel <u>Apply</u>

3. When the **Device Manager** window opens, select **MOXA CP-114 Series (PCI bus)** under **Multi-port** serial adapters, click the right mouse button, and select Uninstall.



4. When the following warning message appears, click **OK** to uninstall.

	<u> </u>
MOXA CP-114 Series (PCI Bus)	
g: You are about to uninstall this device from your system	
Cancel	
	MOXA CP-114 Series (PCI Bus) : You are about to uninstall this device from your system

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http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

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