Add Device for ISA bus

[For Windows 2003 System]

Introduction

Windows 2003 requires PnP (Plug & Play) information file to add device and resources. ISA card doesn't support Plug & Play, and we cannot detect the ISA card resources by software program. To support Windows 2003, we offer the ISA card PnP information file for manual installation.

For using ISA card on Windows 2003, you have to setup the card first. All ISA cards have similar installation procedures; in this manual we will use the ISA bus P8R8-DIO card as an installation example. Please follow below steps to finish the installation.

Add Device for ISA bus on MS Windows 2003

Plug the P8R8-DIO card into an ISA slot first. Download the ISA bus P8R8-DIO installation file from <u>http://www.icpdas.com/download/isa/index.htm</u>, and then double click the <u>dio_win2k_v301.exe</u> file to run it.

STEP 1 : Click the "<u>N</u>ext>" button.



STEP 2 : Click the "<u>Next></u>" button.

Or press "<u>Change ...</u>" to change the installation location, and then click the "<u>Next></u>" button.



STEP 3 : Choose "No, I will restart my computer later." And then click the "Finish" button.



STEP 4 : Choose Add Hardware: "Start \rightarrow Control Panel \rightarrow Add Hardware."



STEP 5 : Click the "<u>Next>"</u> button.



<u>STEP 6</u> : Choose "Yes, I have already connected the hardware." And then click the "<u>N</u>ext>" button.



STEP 7 : Choose "Add a new hardware device." And then click the "<u>N</u>ext>" button.

ne tonowing natuwate is already i	installed on your computer	CAU LAU
From the list below, select an installed	I hardware device, then click Next to che	eck
To add hardware not shown in the lis	t, click "Add a new hardware device."	
Installed hardware:		
Intel(r) 82801DB/DBM USB 2.0	Enhanced Host Controller - 24CD	•
USB Root Hub	Enhanced Host Controller - 24CD	•
USB Root Hub	Enhanced Host Controller - 24CD	•
Control of Harden Harden Control of Harden Harden Control of Harden	Enhanced Host Controller - 24CD	•
Control of the order Control of the order	Enhanced Host Controller - 24CD	<u>~</u>
Contraction of the second of t	Enhanced Host Controller - 24CD	•
USB Root Hub USB Root Hub USB Root Hub USB Root Hub USB Root Hub Add a new hardware device	Enhanced Host Controller - 24CD	•

STEP 8 : Choose "Install the hardware that I manually select from a list [Advanced]." And then click the "<u>Next></u>" button.

'he wizard can help	you install oth	er hardware		EN.
The wizard can sea know exactly which	ch for other hardv hardware model y	vare and automaticall iou want to install, you	y install it for you. (u can select it from	Dr. if you a list.
What do you want ti	ne wizard to do?			
C Search for an	d install the hardw	vare automatically (Re	commended)	
Install the har	dware that I manu	ally select from a list (Advanced	

STEP 9 : Choose "Show all Devices." And then click the "<u>Next></u>" button.



STEP 10 : Click the "<u>Have Disk...</u>" button.



STEP 11 : Click the "<u>Browse...</u>" to select the corresponding INF file.

com rr		
H	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK
		Cancel
	<u>C</u> opy manufacturer's files from:	
		Browse

STEP 12 : Select Look in: My Documents and click I to choose the location that the manufacturer's files copied into.

Locate File			<u>? ×</u>
Look in: [My Documents	- 🔾 🗊	📂 🖽 •
		WALL WALL CARE AND	
File <u>n</u> ame:	*.inf	•	<u>O</u> pen
Files of type:	Setup Information (*.inf)	-	Cancel
			/

STEP 13 : If you did not modify the installation path at STEP 2, the location of INF files are at "C:\DAQPro\DIO_WIN2K\Inf."

If you did change the installation path, please select the location of "Inf" folder in the installation path.

Locate File			? ×
Look in: 🔀) Inf	- 0 0 10	
DIO24 DIO48 DIO64 DIO96 DIO14 P8R80 P16R1	My Recent Documents Desktop My Documents My Computer DAQPro DIO_WIN2K DIO_WIN2K Local Disk (D:) BOOT (E:) My Network Places		
File <u>n</u> ame:	DI0144.INF	-	<u>O</u> pen
Files of type:	Setup Information (".inf)	×	Cancel

STEP 14 : At "C:\DAQPro\DIO_WIN2K\Inf ", select P8R8DIO.INF file. And then click the "<u>Open</u>" button.

Locate File			? ×
Look jn: 🔀) Inf	- 🔾 🕫	📂 🖽 •
DIO24.IN DIO48.IN DIO64.IN DIO96.IN DIO144.II P8R8DIO	= = = VF INF 0.INF		
File <u>n</u> ame:	P8R8DIO.INF	•	<u>O</u> pen
Files of type:	Setup Information (".inf)	~	Cancel

STEP 15 : Click the "OK" button.

nstall Fr	om Disk	×
H	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	ОК
		Cancel
	Canu manufacturada filas franc	
	C:\DAQPro\DI0_WIN2K\Inf	Browse

STEP 16 : Select "ICPDAS P8R8-DIO Digital I/O Card."

And then click the "<u>Next></u>" button.

Add Hardware Wizard		
Select the device driver you want to in:	tall for this hardware.	
Select the manufacturer and model of you have a disk that contains the driver you	ur hardware device and then click N want to install, click Have Disk.	ext. If you
Model		_
ICPDAS DI0-64 Digital I/O Card		
ICPDAS DI0-96 Digital I/O Card		
ICPDAS P16R16-DIO Digital I/O Card		
ICPDAS P8R8-DIO Digital I/O Card		-
This driver is not digitally signed! <u>Tell me why driver signing is important</u>	<u>H</u> a	ave Disk
	< <u>B</u> ack <u>N</u> ext>	Cancel

STEP 17 : Click the "<u>N</u>ext>" button.



STEP 18 : Click the "Yes" button.



STEP 19 : Click the "Finish" button.



STEP 20 : Now we must to set device resource. Please select "Start \rightarrow My Computer." Right-click "My Computer" and hit "Properties."



STEP 21 : Select "Hardware" tab, and then click the "<u>Device Manager</u>" button in the "Device Manager."



STEP 22 : Now we can see the "DAQCard" in the Device Manager.



STEP 23 : Click III at the left side of DAQCard. Right-click the item **ICPDAS P8R8-DIO Digital I/O Card** and hit **Properties**.

USER-8BCUTSNIEN Computer DAQCard Disk drives Ugdate Driver Disk drives Ugdate Drives Ugdate Driver Disk drives Ugdate Drive	🗉 🖆 🎒 😤 🔫 🗷	5 🗸
Ports (COM & LPT) Sound, video and game controllers System devices System devices	USER-8BCUT5NIEN Computer DAQCard Disk drives Display adapters DVD/CD-ROM drives DVD/CD-ROM drives DVD/CD-ROM drives DVD/CD-ROM drives DVD/CD-ROM drives DVD/CD-ROM drives Network adapters Network adapters Network adapters Ports (COM & LPT) Network adapters System devices DUBLE Stript Pure controllers DUBLE Stript Pure controller DUBLE Stript Pure controllers DUBLE Stript Pure c	d Ugdate Driver Disable Uninstall Scan for hardware changes Properties

STEP 24 : In the ICPDAS P8R8-DIO Digital I/O Card Properties, select I/O Range.

PDAS P8R8-DIO	Digital I/O Card Properties	?)
General Driver	Resources	
ICPDAS	P8R8-D10 Digital I/O Card	
Resource settings	¢	
Resource type	Setting	
🛞 1/0 Range	0200 - 020F	
Setting based on:	Current configuration	<u>*</u>
	☑ Use automatic settings	Change Setting
Conflicting device	list:	
Input/Output Ran PCI bus	nge 0200 - 020F used by:	*

STEP 25 : Uncheck "<u>Use automatic settings</u>", and then click the the "<u>Change</u> Setting..." button at the right side.

DAS FORO-DIOL	Digital I/O Card Properties	?)
ieneral Driver F	Resources	
	P8R8-D10 Digital I/O Card	
œ œ		
Resource settings:		
Resource type	Setting	
1/0 Range	0200 - 020F	
Setting <u>b</u> ased on:	Current configuration	•
	Use automatic settings Chan	ne Setting
		ge oetting
Conflicting device	151	

STEP 26 : In the Edit Input/Output Range, we can see "<u>Value :</u>" is 0200-020F.

dit Input/Output Range	?)>
Enter the input/output range you would like to	set for this device.
You may either enter a specific range and the will be automatically selected, or you may sele up and down arrows.	nearest valid range ct a range using the
This resource is assigned to the following child	d device(s):
Value: 0200 - 020F	
Conflict information Warning: The setting you have chosen con following device(s):	flicts with the
Conflict information Warning: The setting you have chosen con following device(s): PCI bus	flicts with the
Conflict information Warning: The setting you have chosen con following device(s): PCI bus	flicts with the

STEP 27 : P8R8-DIO card I/O address default value is 300, so we must modify the "<u>Value</u>" to 0300-030F. And then click the "OK" button.

Please refer to the "Address Setting" section in P8R8-DIO manual for valid I/O address ranges.

nt Input/Output Range	?
Enter the input/output range you would like (o set for this device.
You may either enter a specific range and th will be automatically selected, or you may sel up and down arrows.	e nearest valid range ect a range using the
This resource is assigned to the following ch	ild device(s):
and the second sec	
Value: 0300 - 030F	
Value: 0300 - 030F ☐ Conflict information	
Value: 0300 - 030F Conflict information Warning: The setting you have chosen co following device(s):	nflicts with the
Value: 0300 - 030F Conflict information Warning: The setting you have chosen co following device(s): PCI bus	nflicts with the
Value: 0300 - 030F Conflict information Warning: The setting you have chosen co following device(s): PCI bus	nflicts with the
Value: 0300 - 030F Conflict information Warning: The setting you have chosen co following device(s): PCI bus	nflicts with the

STEP 28 : System will show a conflict warning. Click the "Yes" button.

Conflict V	Yarning 🔀
<u>.</u>	Warning: The setting you have chosen conflicts with another device. To select a different resource setting, click No. To continue, click Yes.
	<u>Yes</u> <u>N</u> o

STEP 29 : Now "I/O Range" setting already become 0300-030F, and then click the "OK" button.

DAS P8R8-DIO I	Digital I/O Card Properties	5	?
ieneral Driver F	Resources		
	P8R8-DIO Digital I/O Card		
Resource settings:			
Resource type	Setting		
	-		
Setting <u>b</u> ased on:	Current configuration		-
	Use automatic settings	<u>C</u> han	ge Setting
Conflicting device	list:		
Input/Output Ran PCI bus	ge 0300 - 030F used by:		Å
		OK	Cancel

STEP 30 : "Creating a Forced Configuration" window will show. Click the "<u>Y</u>es" button.

Creating	a Forced Configuration
	You adjusted one or more resource settings manually.
-	If you continue, these settings will be assigned to the device.
	Do you want to continue?
	Yes No

STEP 31 : Select "Start \rightarrow Shut Down" to restart your computer.



STEP 32 : Select Restart \rightarrow Check the Planned \rightarrow Select Hardware: Maintenance (Planned) \rightarrow Click the "OK" button.

P8R8-DIO card can work well after the computer is restarted.

Part I	What do you want the computer to do	?	
y	Restart		-
	Ends your session, shuts down Windo Windows again.	ws, and start:	s
ihutdo	wn Event Tracker Select the option that best describes v shut down the computer	why you want	to
	Option:	🔽 Planne	d
	Hardware: Maintenance (Planned)		-
	In alloware, maintenance (manneu)		

Resource Checking

STEP 1 : Select "Start→My Computer" Right-click "My Computer"and hit "Properties."

Manage Your Server	Control Panel	<u>Open</u> Explore S <u>e</u> arch
\chi Windows Explorer	Administrative	Manage Map <u>N</u> etwork Drive Disconnect Network Drive.
📝 Paint	Help and Supp	Show on Desktop Rena <u>m</u> e
Notepad	Search	Properties
Windows Update	7 <u>R</u> un	
All Programs	_	

STEP 2 : Select "Hardware" tab, and then click the "<u>Device Manager</u>" button in the "Device Manager."



STEP 3 : Click **i** at the left side of DAQCard. Right-click the item **"ICPDAS P8R8-DIO Digital I/O Card"** and hit **Properties**.



STEP 4 : In ICPDAS P8R8-DIO Digital I/O Card Properties. Check the "Conflicting device list." If it's not "No conflicts", click the "<u>Change Setting...</u>" button to change the I/O resource.

ICPDAS P8R8-DIO Digital I/O Card Properties	<u>? ×</u>
General Driver Resources	
ICPDAS P8R8-DIO Digital I/O Card	
<u>R</u> esource settings:	
Resource type Setting	
	
Setting based on: Current configuration	코니
Conflicting device list:	
No conflicts.	
OK Can	cel

STEP 5 : Modify the "Value: " until it shows "No device are conflicting" in Conflict information. And then click the "OK" button.

Edit Input/Output Range	<u>?</u> ×					
Enter the input/output range you would like to set for this devi	ice.					
You may either enter a specific range and the nearest valid rang will be automatically selected, or you may select a range using t up and down arrows.						
This resource is assigned to the following child device(s):						
Value: 0350 - 035F	er					
devices.						
No devices are conflicting.						
OK Cance	3					

STEP 6 : Click the <mark>"OK"</mark> button.

ICPDAS P8R8-DIO Digital I/O Card Properties	? X
General Driver Resources	
ICPDAS P8R8-DIO Digital I/O Card	
Resource settings:	
Resource type Setting	
Setting based on: Current configuration	•
Use automatic settings Change Setting	
Conflicting device list:	
No conflicts.	
	-
ОК С	ancel

STEP 7 : "Creating a Forced Configuration" window will show. Click the "<u>Y</u>es" button.

Creating	a Forced Configuration 🔀					
You adjusted one or more resource settings manually. If you continue, these settings will be assigned to the o						
	Do you want to continue?					

STEP 8 : Click the "OK" button.

S۶	stem Prop	ertie s						<u>?</u> ×
	Advanced General		anced Automatic Updates eral Computer Name		Remote Hardware			
	Add Hard	lware Wiza The Add I	ırd Hardware	Wizard help	os you insta Add <u>F</u>	all hardv <u>t</u> ardwar	vare. e Wizard	
	Device M	lanager The Devid on your co properties Dr	ce Manag omputer. L of any de iver <u>S</u> ignir	jer lists all th Jse the Dev evice. ng	e hardware rice Mana <u>c</u>	e device ger to ch vice Ma	es installed hange the nager	
Hardware Profiles Hardware profiles provide a way for you to set up and store different hardware configurations. Hardware <u>P</u> rofiles								
_				OK		Cancel		ly

STEP 9 : Make sure the dip-switch setting of I/O card is matched to above I/O address range

Please refer to the "Address Setting" section of hardware manual for more information.

Restart the computer if the system asks you to restart it when the I/O address range is changed in "Step 5".