

Document title:	DriveWare and NISA03 Card on Windows NT 4.0
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1. Introduction

NISA -03 DDCS/ISA Adapter is an interface card for control of ACS 600 Product Family frequency converters.

The card is installed to a standard 16-bit ISA slot on PC's (DESKTOP) motherboard.

NISA-03 have two channels: Ch0 is for 5MBd communication and Ch1 is for 10 MBd communication. Which one will be use depends on the target (AMC) card's connector type.

2. Setting Base Io Address

Base Io Address	DIP Switches		
	IAS2	IAS1	IAS0
220H			
240H			
280H (Default)	OFF	OFF	OFF
2A0H	OFF	OFF	ON
320H			
340H			
380H			
3A0H			

NOTE: Do not select addresses on red colour.

NOTE: DIP switch IAS3 is not used.

If the selected IoBase address is used by other device, other address should be select.

THE USE OF NISADUMP program:

Nisadump.exe program can check out the NT 4 PC's reserved IoBaseAddresses.

This program can be used if user want to investigate (After Drive Window 1.3 installation !) wheter the address he intending use is free.

Select NT4 Command Prompt as below, choose directory where you have copied the NISADUMP.EXE
c:\>Nisadump.exe ENTER.

NISADUMP.exe	 nisadump.exe
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Example:

Below the results of running nisadump:

The PC contains NISA-03 card, its Base Io Adress is selected by dip switches to 280H.

(8 stands for NISA-03 card). Ch0 uses 280 and Ch1 uses 290 IoBaseAddress.
FF stands for empty address.

```
MS-DOS Command Prompt
C:\NT4CHECK\changeddcccpcmcia>nisadump

          NisaDump      I/O Area

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I/O port 280= 8  FF 30 F 0 0 0 0 0 0 0 0 0 0 0 0
I/O port 290= 8  FF 30 F 0 0 0 0 0 0 0 0 0 0 0 0
I/O port 2A0= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 2B0= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 2C0= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 2D0= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 2E0= FF  FF FF FF FF FF FF FF FF FF FF FF FF A3 0 7F 0
I/O port 2F0= FF  FF FF FF FF FF FF FF FF FF F 2 1A 0 60 0 FB
I/O port 300= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 310= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 320= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 330= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
I/O port 340= FF  FF FF FF FF FF FF FF FF FF FF FF FF FF FF
C:\NT4CHECK\changeddcccpcmcia>
```

NOTE: Running Nisadump.exe creates file nisadump.txt containing also the same information.

3. Installation procedure

- A. Switch off the PC and all its peripherals. Disconnect the mains.
- B. Remove the PC cover. Install the NISA-03 card to a free ISA card slot evenly and firmly.
- C. Close the PC cover and start your PC again.