Advantech Device Specific Help

Advantech PCL-813/813B I/O Cards, V 2.0

The Advantech DLL driver supports the operation of   ADVANTECH data acquisition cards and signal conditioning boards. The following table lists the cards and functions supported:

TABLE 1: Advantech DLL Driver Software Support

Hardware Type	DLL Driver	A/D	D/A	DIO	TEMP	COUNTER	ALARM
PCL-813	adPCL813.drv	YES	NO	NO	NO	NO	
PCL-813B	adPCL813.drv	YES	NO	NO	NO	NO	

A/D=ANALOG INPUT
D/A=ANALOG OUTPUT
DIO=DIGITAL I/O
TEMP=TEMPERATURE MEASUREMENT

All cards listed can be used in IBM or IBM compatible PC's.   Also available is a series of wiring terminal boards for making your applications easier to implement. These are listed below:

*   PCLD-881   Industrial wiring Terminal Board.

I/O CARD FUNCTIONAL DESCRIPTION

PCL-813: 32-Channel Single-ended Isolated Analog Input Card

HARDWARE CONFIGURATION

Before an acquisition board can work properly with the DLL driver software, it must be configured correctly. You must determine the hardware options (input range(s), I/O address, etc.) which suit your particular requirements. On all ADVANTECH boards, configuration is a matter of setting up jumpers and switches. Read the manual that comes with your ADVANTECH board, in conjunction with this help file to determine how to configure the hardware. All ADVANTECH boards are shipped with factory default settings.If the default configuration is appropriate for your system application, no additional set-up is required.

Configuring the PCL-813/813B

The following parameters must be configured before the cards can be used with the Advantech DLL driver:

*   Base Address
*   Unipolar or Bipolar jumper (PCL-813B only)