

DAQBOY **NEW****Revolutionary Task-Oriented DAQ Driver with Intuitive Wizard Assistant**

- DAQ driver with graphical interface assistance for programmers
 - Task-oriented, write your program in 3 minutes
 - Intuitive DAQBOY Wizard, design your DAQ task in 30 seconds
- Supports 98/NT/2000/XP/2003
- Supports VB/VC/Delphi/BCB
- Supports full lines of ADLINK data acquisition cards
- Supports complete hardware functions of ADLINK data acquisition cards
- Provides two ways to program
 - DAQBOY API
 - DAQBOY ActiveX control

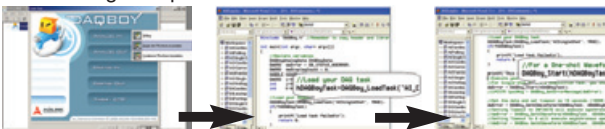
 **300 times faster for your DAQ program development**

DAQBOY - a revolution in DAQ drivers

What do you think about typical drivers for data acquisition cards? A heap of functions with confusing parameters and rigid programming procedures? Before being able to read/write data from/to DAQ cards, you would need to study sample programs and spend a fair amount of time reading manuals. This is a painful and frustrating process, especially when trying to perform advanced operations, such as double-buffer DMA, hardware triggering, etc. The emergence of DAQBoy frees you from this pain. DAQBOY is a driver with graphical interface assistance for VB/VC/Delphi/BCB programmers. With DAQBOY, You don't need to be familiar with complex functions and parameters-instead you simply focus on the operations you want to perform. An intuitive DAQBOY Wizard guides you through creating your DAQ task by specifying all necessary parameters and automatically checking these parameters. Once you define a task, you simply load in your program and execute it. With DAQBOY, a program that would 3 days to program can now be completed in 3 minutes!

How does DAQBOY make development 300 times faster?

Think of how you program your data acquisition card today. You may start from a sample program and spend hours or days to understand the functions, parameters, and calling procedures. It's hard to know whether this method of programming is correct until you finish the program and see the expected behavior of DAQ hardware. Using traditional driver APIs is essentially a process of "trial and error", which can be very frustrating for inexperienced programmers. Using DAQBOY is far more easier. The key concept of DAQBOY is to let you concentrate on DAQ tasks rather than the hardware or programming details. We have created a very simple way to program. You can do anything with any data acquisition cards by the following 3 steps.



Create a DAQ task Load the task Execute it !

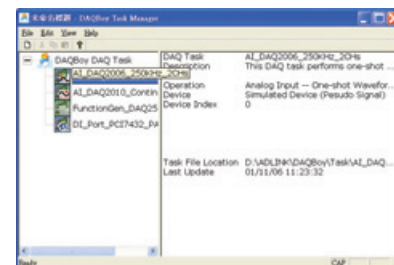
Not only can DAQBOY make program development 300 times faster, but we also added a full graphical environment to help you complete these steps within few minutes.

Intuitive DAQBOY Wizard -- Create your DAQ task in 30 seconds

Creating a DAQ task can be a complex process because there are always several parameters needed to be defined. In DAQBOY, an intuitive GUI wizard guides you step-by-step through parameter settings. Once you select a categorized task (AI/AO/DIO/CTR), the intelligent DAQBOY Wizard is capable of automatically detecting suitable DAQ devices, generating wizard pages and necessary parameters, and dynamically fixing incorrect settings. With DAQBOY Wizard, you can create any DAQ task in 30 seconds.

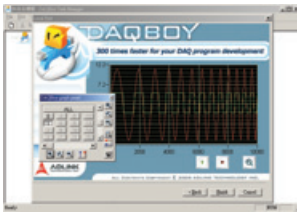
**Powerful DAQBOY Task Manager - Manage your tasks and generate reference code**

DAQBOY Task Manager is a powerful tool to manage your DAQ tasks. You can create, modify, rename, and delete tasks, and review all related information. Another remarkable feature is the reference code generation. You can click on a DAQ task and generate corresponding reference code to use it in programming language environments, such as C, VB, Delphi and BCB.



Instant Test Panel - Test your DAQ task settings before you program it

How do you know if the settings are correct for your DAQ task? DAQBOY gives you a simple way to check! The "Instant Test Panel", found in DAQBoy Wizard and DAQBOY Task Manager, is a graphical interface that allows you to execute a DAQ task instantly and access the real hardware. In another words, you can always test your DAQ setting and see what you'll get before you program it.

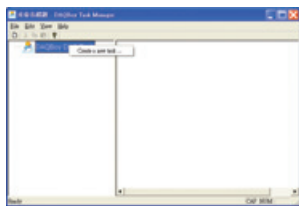


High-performance Run-time Engine - Deliver great performance for task execution

The DAQBOY run-time engine is the 'invisible' core of DAQBOY. When your program executes a DAQ task, the run-time engine parses the setting and performs the corresponding hardware operations. The DAQBOY run-time engine is well-designed to guarantee the best execution performance for any kinds of data acquisition operations.

How to use DAQBOY in your program?

Step 1



Launch the DAQBOY Task Manager and create a new DAQ task.

Step 2



Select your DAQ task.

Step 3



Choose your data acquisition card and channel setting

Step 4



Specify your acquisition parameters

Step 5



Define your trigger condition

Step 6



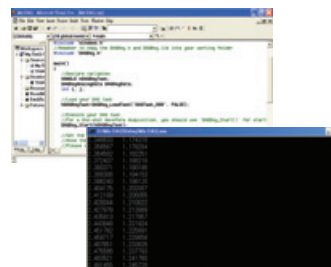
Test the DAQ task before you program it!

Step 7



Generate the code for your programming language

Step 8



Copy and paste the code to your programming environment. Compile and run!

1 Software Solutions

2 PXI/ CompactPCI Platforms

3 PXI-Based Instruments

4 PXI/ CompactPCI Modules

5 PCI DAQ Cards

6 PCI DIO Cards

7 PC/ 104-Plus Products

8 ISA DAS/ DIO Cards

9 Wiring Termination Boards

10 Motion Vision & COM

11 Remote I/O Modules

12 Industrial Computers




















Want more?

If you think these steps are easy, there's more. In addition to DAQBOY APIs, we also offer you another way to use DAQBOY in your program with the DAQBOY ActiveX control. We integrate the DAQBOY Wizard into the control, so you can simply insert it into your program and finish DAQ set up. The best part is, with only four functions (Read, Write, Start and Stop), you can execute every kind of DAQ task.

The DAQBOY ActiveX control can be used in most popular programming languages, and is particularly easy in Visual Basic. (We strongly recommend VB programmers use the DAQBOY ActiveX control.)

19 Categories of Tasks in DAQBOY

DAQBOY supports the complete hardware functions of ADLINK data acquisition cards. Here are the 19 categories of tasks you can perform with DAQBOY.

Analog Input	 Single channel or multi-channel voltage polling
	 Single-shot analog waveform acquisition
	 Continuous analog waveform acquisition
Analog Output	 Single channel or multi-channel voltage output
	 Single channel or multi-channel current output
	 Single-shot analog waveform generation
	 Continuous analog waveform generation
	 Sine/square/triangle/sawtooth function generation
Digital Input	 Digital line input
	 Digital port input
	 Single-shot digital pattern acquisition
	 Continuous digital pattern acquisition
Digital Output	 Digital line output
	 Digital port output
	 Single-shot digital pattern generation
	 Continuous digital pattern generation
Timer/Counter	 Simple event counter
	 Timer interrupt operation
	 Complete 8254 mode operations

DAQBOY Q&A

Q: Is it expensive to use DAQBOY?

A: No, DAQBOY is FREE! It is a part of ADLINK's commitment to provide a user-friendly interface to use our data acquisition cards.

Q: DAQBOY has such fantastic user interface. Is it a utility or something?

A: DAQBOY is a **driver** with graphical interface assistance for VB/VC/Delphi/BCB programmers. The GUI helps you finish the most difficult parts of programming a DAQ card. You can use DAQBOY API or ActiveX control in your program to develop your own applications.

Q: Who should use DAQBOY?

A: ADLINK now supports two kinds of drivers: traditional DASK drivers and DAQBOY. Taking programming languages as an example, DASK driver is like the assembly language and DAQBOY is like the VB. For experienced programmers who want to perform detailed hardware control, our DASK drivers are recommended. But if you're new to programming or you want to finish your program in minutes, give DAQBOY a try.

Q: Can I use DAQBOY with my existing ADLINK DAQ card? How about future products?

A: Yes, DAQBOY supports the full line of our PCI, CompactPCI, and PXI data acquisition cards, and, we'll support any new DAQ cards in the future. One of the best of DAQBOY is that, no matter what DAQ cards you use, the programming methods are always the same.

Q: My application must integrate hardware from different companies. Can I still use DAQBOY in my program?

A: Of course! The purpose of DAQBOY is to help you, not to restrict you. You have two ways to use DAQBOY: API or ActiveX controls. You can put the code for executing certain DAQBOY tasks, together with the drivers for the corresponding hardware from other companies, to build up an integrated application.

Hardware Support

■ **NuDAQ PCI/cPCI Series**

6208, 6216, 6308, 7200, 7224, 7230, 7233, 7234, 7248, 7250, 7256, 7258, 7260, 7296, 7300, 7348, 7396, 7432, 7433, 7434, 7452, 8554, 9111, 9112, 9113, 9114, 9118, 9810, 9812, 9820

■ **DAQ-2000/PXI-2000 Series**

2005, 2006, 2010, 2016, 2204, 2205, 2206, 2208, 2213, 2214, 2501, 2502



Visit <http://www.adlinktech.com> now and search for DAQBOY for your free copy!

■ **DAQBOY**

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