NEW

DAQPilot
ADLINK Task-oriented DAQ Driver and Wizard for Windows

Features

■ DAQ driver with graphical interface assistance for programmers

■ Program by **three** approaches DAQPilot API, DAQPilot ActiveX control and .NET Assembly

■ Supports 32-/64-bit editions of Windows Vista/Server 2003/XP and legacy Windows 98/NT/2000

■ Supports a complete line of ADLINK DAQ cards and compatible with all ADLINK DAQ hardware functions

■ Supports various application development environments including Microsoft Visual C# .NET, Microsoft Visual Basic .NET, Microsoft Visual Basic, Microsoft Visual C++, Borland Delphi, and Borland C++ Builder

■ Task-oriented approach creates your DAQ application in 3 minutes

■ One interface to hundreds of ADLINK data acquisition Cards

Develop a DAQ Application in 3 Minutes!

Select the DAQ task | Select the device and channel | Configure the device | Get instant results | Integrate the task to application

DAQ in an instant!

Days of confusing parameters, rigid programming procedures, and tons of functions to program data acquisition cards are over! Welcome DAQPilot - a revolutionary task-oriented DAQ driver that empowers you to create your DAQ tasks in minutes. Designed to streamline simple to complex DAQ applications, DAQPilot lets you focus on specific tasks via a user-friendly, step-by-step and wizard. Driven by an intuitive graphical user interface, DAQPilot offers superior convenience, compatibility, and ease-of-use. Equipped with helpful built-in components such as an instant test panel and automatic reference code generation, DAQPilot lets you land in a variety of DAQ programming environment with your best foot forward.
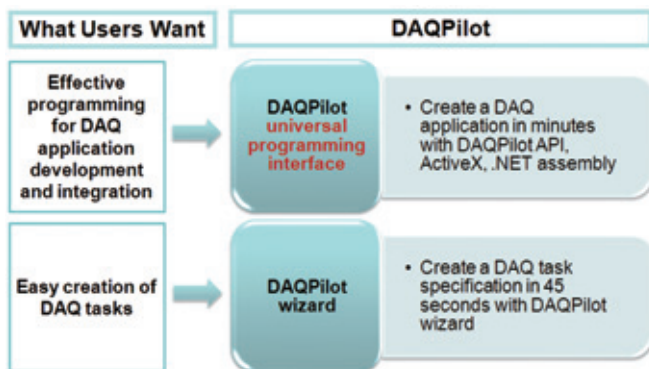
Introduction

DAQPilot is free and the most cost-effective DAQ development tool available for you. DAQPilot comes as ADLINK's commitment to provide full support to its comprehensive line of data acquisition products. DAQPilot is a driver and SDK with a graphics-driven interface for various ADE, such as Microsoft Visual C# .NET, Microsoft Visual Basic .NET, Microsoft Visual Basic, Microsoft Visual C++, Borland Delphi, and Borland C++ Builder programmers. The interface assists you in completing the most simple to the most complex parts of DAQ programming. You can use DAQPilot API, ActiveX Control or .NET Assembly to develop

you own DAQ applications in your choice programming environment. DAQPilot is designed for the novice to the most experienced programmer. Beside, because DAQPilot can finish a DAQ task in minutes, it is suitable for programmers aiming to immediately program their premium ADLINK DAQ modules and integrate the tasks to their own DAQ applications. DAQPilot supports a complete line of PCI/PCI Express®, CompactPCI, and PXI data acquisition modules and is ready to support future DAQ offerings. Actually, DAQPilot's strength lies on the fact that programming methods stay the same no matter what DAQ card/module you use. Therefore, you could easily program ADLINK DAQ devices using DAQPilot API, ActiveX Controls or .NET Assembly controls. Then just combine the task codes generated by DAQPilot with the corresponding hardware driver with other vendor's program to build an integrated DAQ application.

Benefits of DAQPilot

Rapid DAQ development and integration

● No hours spent on understanding functions, parameters, and confusing driver API calls

● Eliminates time-consuming trial and error approach in DAQ development

● Creates tasks which can be used across multiple DAQ devices

● Supports mainstream programming environments

Intuitive wizard
- Smart and easy to navigate user interface
- Step-by-step DAQ parameter setting
- Automatic DAQ device detection
- Dynamically corrects wrong/unsupported settings
- Provides an instant test panel function for task validation

Robust task manager
- Manages predefined and newly-created DAQ tasks
- Generates the reference code for C/C++ programming languages
- Integrated test panel function immediatly validates selected task(s)

.NET support with Managed Component
- DAQPilot .NET Assembly benefits user of .NET self-register mechanism, AUTO exception handling, AUTO garbage memory processing, AUTO type safety, etc.
- Provides complete C# .NET and Visual Basic .NET examples

Bridge to DAQMaster
- DAQMaster provides the connectivity between DAQMaster and DAQPilot, user can configure your DAQ products in DAQMaster and control in the task manager of DAQPilot
- Easily to allocate memory and find the sample programs

High-performance runtime engine
- Efficiently parses tasks and performs the corresponding hardware operations
- Guarantees flawless execution of all DAQ task types across all ADLINK DAQ modules

New-generation ActiveX controls
- Supports component-based DAQ applications
- Embedded DAQPilot wizard offers faster integration with your programming environment
- Equipped with four basic functions (read, write, start, and stop) to execute any type of DAQ task
- Strongly recommended for Visual Basic programmers

Task Gallery
- DAQPilot supports five task categories. These comprise 19 task items.

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

Supported Hardware

■ **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, 7442, 7443, 7444, 9221,9222, 9223

■ **DAQ-2000/PXI-2000 Series**
2005, 2006, 2010, 2016, 2204, 2205, 2206, 2208, 2213, 2214, 2501, 2502

Free Download!!

Please visit *http://www.adlinktech.com/TM/DAQPilot.html* for more information

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