

Standardized Application Programming Interface (API)

DASK maintains a set of consist programming interfaces across different Window's platforms, and therefore provides portability between different platforms and programming languages.

In addition to basic I/O support, the DASK API also provides sophisticated build-in capability to handle memory and data buffer management. A double-buffered mode processes can be repeated endlessly to provide a stream of data to your applications.

Software Migration

The DASK is designed to maximize programming flexibility and data throughput. There is only one set of Application Programming Interface (API), so each card can be programmed with the same API. This greatly shortens developer's learning curve if more than one type of NuDAQ or DAQ-2000 data acquisition card is used.

Example Programs

Examples that demonstrate the use of DASK with different programming language environments are included. More than 60 examples are provided to demonstrate single-point I/O, buffered data acquisition, double-buffering for continuous and seamless acquisition etc.

Data Acquisition Functions

DASK provides full functionalities of NuDAQ and DAQ-2000 series

- Single-point analog input
- Buffered data acquisition
- Double-buffered data acquisition
- Single-point analog output
- Digital I/O control
- Buffered digital I/O
- Double-buffered digital I/O
- Counter/timer I/O

Free Software

- **PCIS-DASK**
Data Acquisition Software Kit for ADLINK NuDAQ PCI-bus data acquisition cards
- **D2K-DASK**
Data Acquisition Software Kit for ADLINK DAQ-2000 series data acquisition cards

Whole New Powerful Utility, CodeCreator Is Now Included



You often manually write your data acquisition program like a snail?

The revolutionary CodeCreator has already appeared to help you to speed up your development.

The "CodeCreator" contained in the latest version DASK is utility program for quickly building a data acquisition project in Visual C++ development. CodeCreator provides a configuration wizard in which you can specify the card type, I/O mode, and device configuration and so on, and it will automatically generate an appropriated code segment.

In the past, when developing a data acquisition application, it's a suffering process for a programmer to get familiar with all the APIs associated with the hardware device, including the function names, parameters, calling procedures and so on. It is usually the obstacle for a less-experienced developer to use a unfamiliar hardware device.

Fortunately, the appearance of CodeCreator has eliminated the obstacle. With few mouse clicks, you may implement the operations you want to perform, such as single point AI polling, continuous AI sampling, digital port writing and so on. CodeCreator does a great job to improve the productivity of a data acquisition application.

The PCIS-DASK Tutorial

PCIS-DASK Tutorial is an extremely useful tool for a developer to learn how to use NuDAQ data acquisition cards. This tutorial contains sample codes for several typical operations, as well as the flow chart to describe the correct procedure to set up these operations.

The PCIS-DASK Tutorial gives new PCIS-DASK users very useful tips. Users may follow the step by step procedure to finish a data acquisition project, or directly compile the attached source code to test and execute the typical operations.

DASK for NT 4.0, Windows 98, Windows 2000, and Windows XP

Users can use PCIS-DASK and D2K-DASK with any programming language that can link a 32-bit dynamic linking library, including:

- Microsoft Visual C++
- Borland C++
- Microsoft Visual Basic
- Borland C++ Builder
- Borland Delphi

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