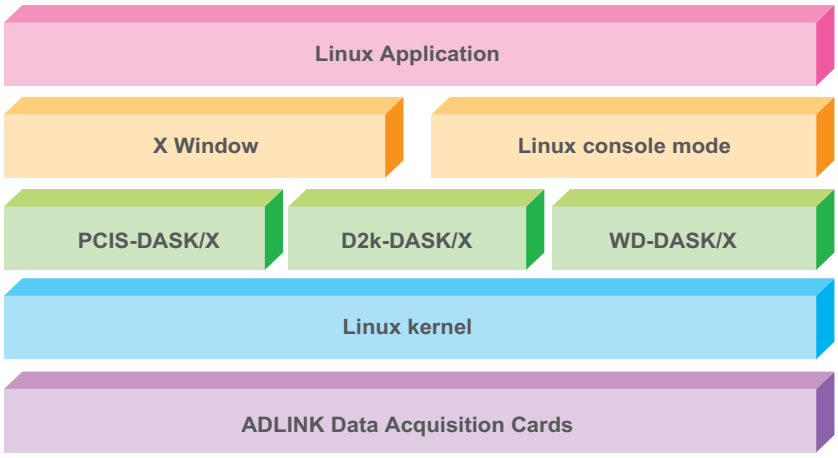
PCIS-DASK/X, D2K-DASK/X, WD-DASK/X for Linux

Linux Drivers for ADLINK Data Acquisition Cards

ADLINK Linux Solution



Features

- PCIS-DASK/X - supports ADLINK NuDAQ PCI/cPCI series data acquisition cards
- D2K-DASK/X - supports ADLINK DAQ-2000/PXI-2000 series data acquisition cards
- WD-DASK/X - supports the ADLINK PCI/PXI-9820 digitizer
- Linux ELF (Executable and Linking Format) shared library
- Functionalities of DASK/X
  - Single-point analog input
  - Buffered data acquisition
  - Double-buffered data acquisition
  - Single-point analog output
  - Arbitrary waveform generation
  - Digital I/O control
  - Buffered digital I/O
  - Double-buffered digital I/O
  - Counter/Timer I/O
  - Auto calibration (D2K-DASK/X only).

Why Linux?

Linux is a freely-distributed UNIX-like operating system originally created by Linus Trovalds at the University of Helsinki in Finland in 1991. For years, thousand of users and developers have made Linux a complete and powerful operating system with a full arrangement of applications and drivers.

There are several reasons why Linux has become very popular: it inherits the efficiency and reliability from UNIX system, it offers mulit-tasking and multi-user environment. Compared to other operating systems, Linux consumes less system resources and requires less hardware capabilities. And most importantly, it is free! Linux is recognized as an adequate platform for test and measurement applications, delivering desirable performance, great customization capabilities, and a reasonable cost.

Introduction

ADLINK's DASK/X drivers are device drivers for custom data acquisition applications that run under Linux. DASK/X drivers provide common Application Programming Interfaces (APIs) for ADLINK's extensive family of PCI, CompactPCI, and PXI plug-in data acquisition cards, and utilize the full capabilities of these cards under the Linux environment. With DASK/X drivers, you can easily access all of the functionalities of ADLINK data acquisition cards to obtain optimal performance.

ADLINK Linux Support Policy

Linux is a highly customized operating system. Driver support can vary when applied to different Linux kernels or different hardware platforms. Currently ADLINK supports and maintains drivers for the following Linux distributions on 32-bit, single x86 processor platforms.

- Debian 3.0r1/3.1r0
- Fedora Core 3/Core 4
- Mandrake Linux 10.1 Powerpack
- Mandriva Linux 2006
- Red Hat Enterprise Linux WS 3
- SuSE 9.2/ 9.3

For other distributions, kernels, or SMP configuration, please contact your local dealer for more information.

Hardware Support

- **PCIS-DASK/X**
  6208, 6216, 6308, 7200, 7224, 7230, 7233, 7234, 7248, 7250, 7258, 7260, 7296, 7300, 7348, 7396, 7432, 7433, 7434, 7452, 8554, 9111, 9112, 9113, 9114, 9118, 9810, 9812
- **D2K-DASK/X**
  2005, 2006, 2010, 2016, 2204, 2205, 2206, 2208, 2213, 2214, 2501, 2502
- **WD-DASK/X**
  9820

Free Download!

Please visit ***http://www.adlinktech.com*** and search for

- **PCIS-DASK/X**
  Data Acquisition Software Kit for ADLINK NuDAQ PCI/cPCI series data acquisition cards for Linux
- **D2K-DASK/X**
  Data Acquisition Software Kit for ADLINK DAQ-2000/ PXI-2000 series data acquisition cards for Linux
- **WD-DASK/X**
  Data Acquisition Software Kit for ADLINK PCI/PXI-9820 digitizer for Linux

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