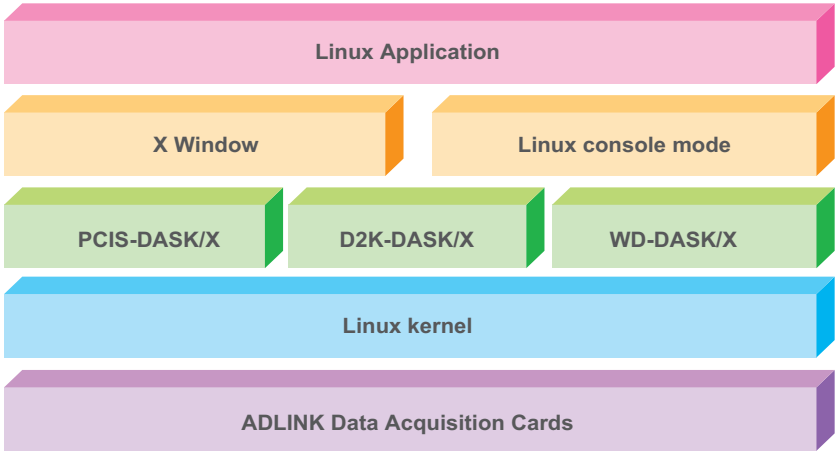
# PCIS-DASK/X, D2K-DASK/X, WD-DASK/X for Linux

## ADLINK DAQ Card Drivers for Linux

### ADLINK Linux Solution




### Features

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

### 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.
Here are some reasons why Linux has become very popular: it inherits the efficiency and reliability from UNIX system, and 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 Express®, 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.

- Fedora Core 5/Core 6
- Red Hat Enterprise Linux Workstation 4
- SuSE Linux Professional 9.3, 10.2

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

### Supported Modules

- **PCIS-DASK/X**
  6208, 6216, 6308, 7200, 7224, 7230, 7233, 7234, 7248, 7250, 7258, 7260, 7296, 7300, 7348, 7396, 7432, 7433, 7434, 7442, 7443, 7444, 7452, 8554, 9111, 9112, 9113, 9114, 9118, 9221, 9810, 9812, 9222, 9223
- **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/TM/linux_daq.html*** for more information

- **PCIS-DASK/X**
  ADLINK PCI/PCIe/cPCI Series DAQ Card Drivers for Linux
- **D2K-DASK/X**
  ADLINK DAQ/DAQe/PXI-2000 Series DAQ Card Drivers for Linux
- **WD-DASK/X**
  ADLINK PCI/PXI-9820 Digitizer Driver for Linux



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