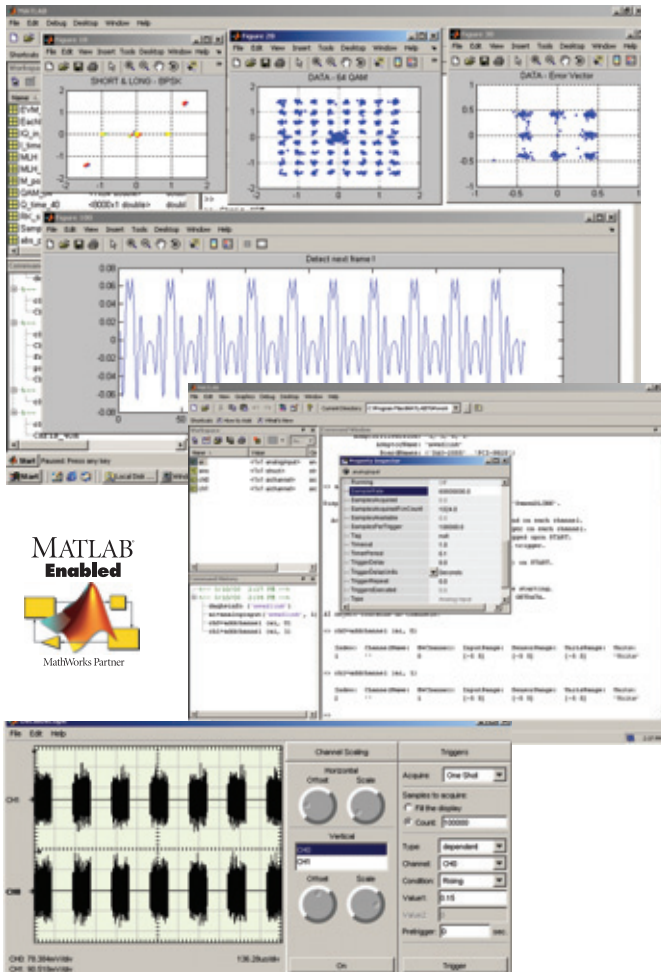


DAQ-MTLB for MATLAB®

MATLAB DAQ Toolbox for ADLINK DAQ Cards



Features

- MATLAB® Data Acquisition Toolbox 2.2 (or above) compliant
- Access live, measured data directly in MATLAB®
- Provides 100 kS/s to 130 MS/s, 12-bit to 16-bit data acquisition capability
- Supports a full range of ADLINK data acquisition cards
- Provides complete hardware trigger capability
- Supports analog input, analog output, and digital I/O

What are MATLAB & DAQ Toolbox?

MATLAB® is a high-level technical computing language and interactive environment for algorithm development, data visualization, data analysis, and numeric computation. MATLAB® can be used in a wide range of applications, including signal and image processing, communications, control design, test and measurement, financial modeling and analysis, and computational biology.

Data Acquisition Toolbox is one of MATLAB® most extensive Toolbox interfaces, providing a universal command set for performing analog input, analog output, and digital I/O from a variety of data acquisition devices. The DAQ Toolbox allows user-configurable external hardware devices to acquire live waveforms and output the data within a single, integrated MATLAB® environment.

Introduction

The ADLINK DAQ-MTLB for MATLAB® is designed to integrate ADLINK hardware with MATLAB® Data Acquisition Toolbox. This driver enables you to directly control a wide range of ADLINK data acquisition cards from MATLAB® environment. If you're a MATLAB® user, you may now extend your data acquisition capability via a hundred of ADLINK cards in a variety of form factors including PCI Express®, PCI, CompactPCI and PXI. ADLINK also offers the first and only MATLAB® adapter for high-speed digitizer featuring up to 130 MHz sampling rate and 14-bit resolution that are ideal for applications like ultrasonic-related applications and IF signal testing for wireless communications.

Multi-function in design, ADLINK DAQ-MTLB for MATLAB® Toolbox comes with comprehensive hardware trigger capability to perform an exact data acquisition process and provides a consistent interface for ADLINK's data acquisition cards. These allow you to acquire, analyze, and visualize data in MATLAB® environment. As a partner of the MathWorks Connections Program, ADLINK is committed to ensuring the compatibility of its products with current and future versions of all MathWorks environment.

Benefits for Using DAQ-MTLB for MATLAB®

DAQ-MTLB for MATLAB® provides users with a seamless interface to ADLINK data acquisition cards and allows users to access real-time data for analysis and visualization in MATLAB®.

For experienced MATLAB® DAQ Toolbox users, all techniques on hand can be leveraged to program ADLINK cards. For users not familiar with DAQ Toolbox, samples and a user's guide are included with the DAQ-MTLB for MATLAB® to clearly describe DAQ Toolbox commands.

With DAQ-MTLB for MATLAB®, MATLAB® users can now have more powerful hardware support for developing measurement and analysis systems.

Supported Modules

■ NuDAQ PCI/cPCI Series

6202, 6208, 6216, 6308, 7200, 7224, 7230, 7233, 7234, 7248, 7250, 7256, 7258, 7260, 7296, 7348, 7396, 7432, 7433, 7434, 7442, 7443, 7444, 7452, 9111, 9112, 9113, 9114, 9118, 9221, 9524, 9810, 9812, 9820, 9222, 9223

■ DAQe/DAQ/PXI-2000 Series

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

Free Download!!

Please visit <http://www.adlinktech.com/TM/DAQ-MTLB.html> for more information

■ DAQ-MTLB for MATLAB®

MATLAB DAQ Toolbox for ADLINK DAQ Cards

MATLAB® is a trademark of The MathWorks, Inc.

1
Software
Solutions

2
PXI/
CompactPCI
Platforms

3
Modular
Instrument

4
PXI/
CompactPCI
Modules

5
Bus
Interface

6
GPIO
Interface

7
PCI/PCI
Express®
DAQ Cards

8
PCI/PCI
Express®
DIO Cards

9
PC/104-Plus
Modules

10
ISA DAS/
DIO Cards

11
System
Product

12
Wiring
Termination
Boards

13
Motion, HSL,
Vision, COM
& GEME

14
Remote I/O
Modules

15
Industrial
Computers