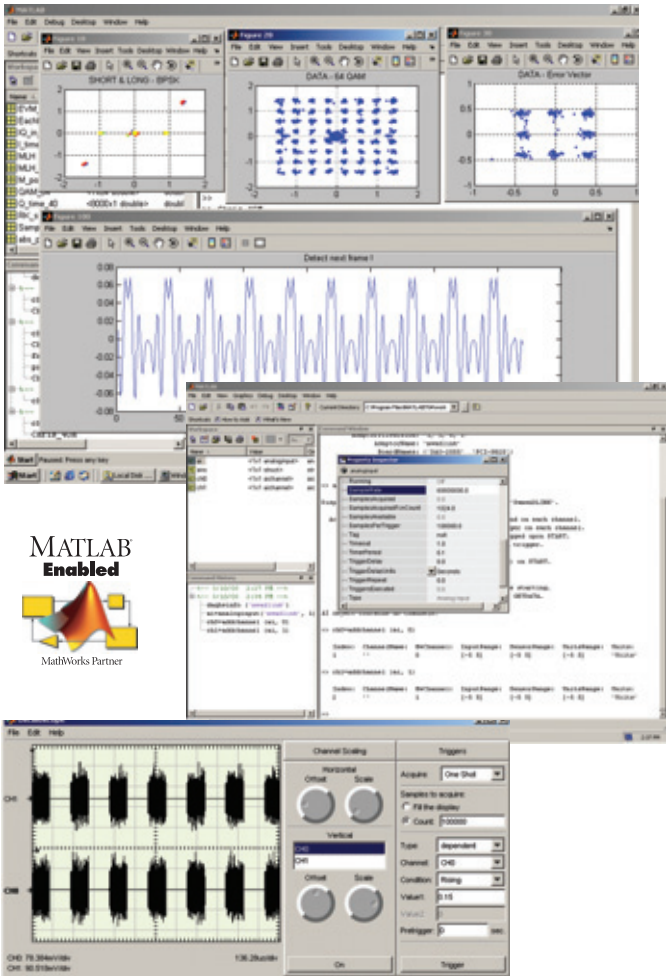
# DAQ-MTLB for MATLAB®

## 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

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