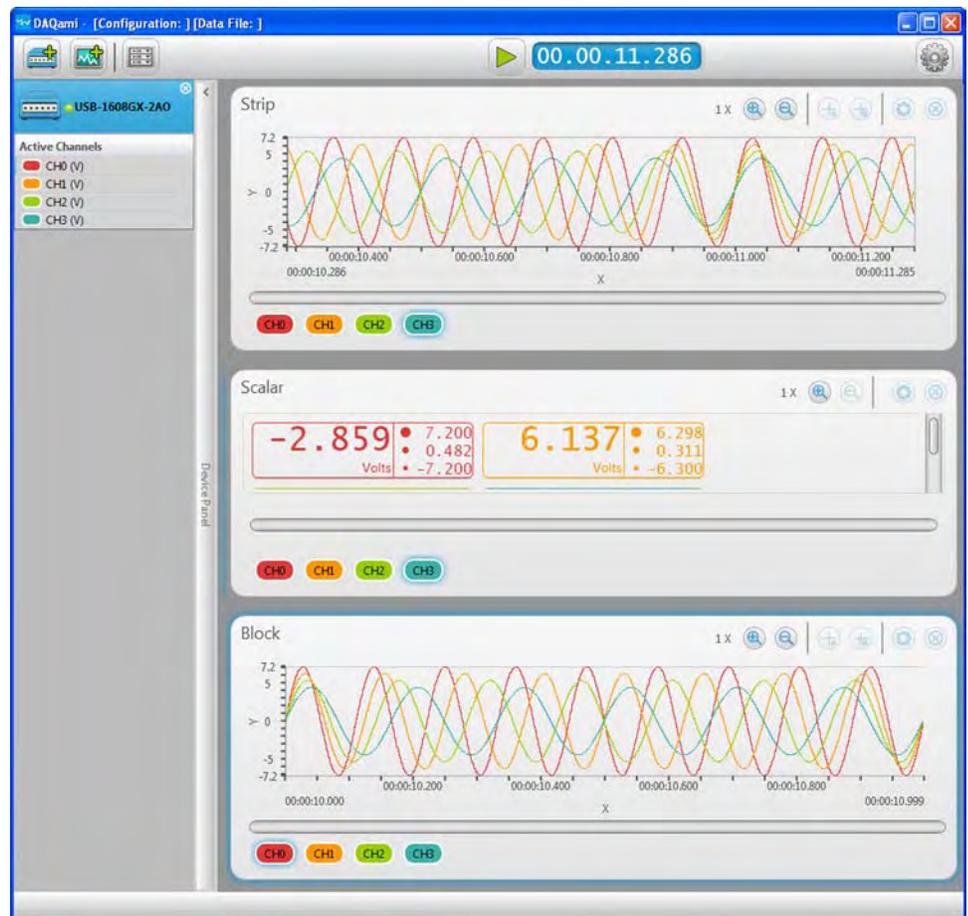


Easy-to-Use Software to Acquire, View, and Log Data

Features

- Pre-release, out-of-the-box software enables users to quickly and easily acquire, view, and log data from supported DAQ devices
- Available as a free download for a limited time
- Configure device, channel, and acquisition options as needed
- Data from activated channels automatically logged to a file during an acquisition
- View analog input or temperature data on any combination of scalar, strip, and block displays
- Acquire up to 1 million samples per channel
- Customize display size and location, zoom factor, and channel/trace colors
- Save configurations to file for later reuse and modification
- Simulated device included to evaluate DAQami without a supported physical device
- Includes online help, onscreen step-by-step guide, tooltips, and a printed quick start
- Compatible with 32- and 64-bit versions of Windows® 8/7/ Vista® (SP2)/XP Pro (SP3)



Overview

DAQami gives users an easy-to-use drag-and-drop interface that makes acquiring, viewing, and logging data a quick and simple task.

Users simply select a supported device, configure device channels and other analog input options, and then select one or more displays to plot the data. When a DAQami acquisition is run, the program acquires and logs data from selected channels, while at the same time plotting the data on the displays for viewing.

Logged data can be opened at a later time to review, and acquisition configurations can be saved to file for later reuse and modification.

DAQami provides a simple, intuitive interface that allows users to quickly and easily acquire, view, and log data from supported DAQ devices.

Intuitive Drag-and-Drop Interface

DAQami provides a straightforward drag-and-drop interface for many essential tasks, such as selecting a device, selecting a display, adding a channel to a display, and moving/copying channels among displays.

Other tasks can be executed from the **Tools** menu and the context menus available on each display.

The Device Panel and Step-by-Step Guide can be hidden or brought back into view with a simple mouse click.

Configuring a DAQami Acquisition

Configuring DAQami to acquire data consists of two main steps:

- Selecting a device and activating channels on the device
- Selecting and configuring displays

Selecting a Device and Channels

The first step in configuring a DAQami acquisition is to select a device – either a DAQami-supported physical device or the virtual **Simulated Device** that is part of the DAQami software.





Use the channels grid to activate and configure channels to include in an acquisition. DAQami can acquire voltage and temperature data, and includes options for input range, thermocouple type, and units. Users can also create custom units with a configured multiplier and offset.

After you select a device, DAQami can be configured to work in either single-ended or differential input mode for devices that support both modes.

Users activate the channels to include in the acquisition. For devices that acquire both voltage and temperature data, users can select the type of data to acquire on a per-channel basis.

When acquiring a voltage data, supported ranges can be selected; when acquiring temperature data, supported thermocouple types can be selected.

Users can also configure units (including custom units), sampling rate, start and stop triggers, and sample count (up to 1 million samples per channel).

Selecting and Configuring Displays

DAQami provides three types of displays for viewing data:

- **Scalar:** Shows the numeric value of a data point, and the minimum, maximum, and mean value of the data acquired on each channel.
- **Strip:** Shows data points for each channel, and continuously scrolls from left to right.
- **Block:** Shows a specified number, or **block**, of data points for each channel.

The number and combination of displays used is only limited by the computer being used. Displays can be resized and rearranged horizontally and vertically on the display panel.

Users can also customize the number of active channels plotted on a display, zoom in and out on displayed data, add cursors to show the value of a specific data point, change the background theme of a display, and change the color of channel icons and traces.

Time values shown on the x-axis can be either *relative* – starting at zero when the acquisition starts – or *absolute* – based on the time of day. Y-axis values can be auto-scaled or set to a user-configured fixed scale.

Acquiring and Logging Data

Once the device, channels, and displays are configured, users can begin acquiring and viewing data. Data from all activated channels is automatically logged to file.

Channels can be moved or copied between displays, and acquired data is automatically plotted on the destination display.

Data files can be opened later for review, and configurations can also be saved to file for reuse and modification.



Use the **Display Settings** dialog box to remove channels from individual displays, and change visual settings such as the background (light or dark), grid (hide or show), and trace colors.

Reviewing Logged Data

DAQami includes features that make it easy to review previously acquired data from a log file. Select **Logging Options** from the Tools menu to set the location where data files are saved. This menu also includes an option to open a logged data file for review.



General Information & Ordering

All DAQami features are available when you review a data file – adding displays, moving/copying channels between displays, adding cursors, and so on. Device and display settings are saved with each log file.

The four most recently-reviewed data files can be easily reopened using hyperlinks on the **Getting Started** screen.

Saving Configurations

In addition to logging data to file, a DAQami configuration can also be saved to file. Device, channel, and display settings are all saved to a single file for later reuse and modification.

The four most recently-saved configuration files can be easily reopened using hyperlinks on the **Getting Started** screen.

DAQami Help, Tooltips, and Step-by-Step Guide

DAQami also includes a comprehensive, context-sensitive help file, tooltips, and an onscreen **Step-by-Step Guide**.



The **Getting Started** screen includes options and hyperlinks for users to quickly open configuration and data files. This screen also includes options to start a new configuration, to open the DAQami help, and to display the **Step-by-Step Guide**.

DAQami support is available on the following DAQ devices:

Part No.	Description	Part No.	Description
USB-1208FS-Plus	USB-based multifunction DAQ device with 8 SE/4 DIFF analog inputs, up to 12-bit resolution, 50 kS/s, 2 analog outputs, and 16 digital I/O	USB-204	USB-based DAQ device with eight 12-bit analog inputs, 500 kS/s, and 8 digital I/O lines
USB-1408FS-Plus	USB-based multifunction DAQ device with 8 SE/4 DIFF analog inputs, up to 14-bit resolution, 48 kS/s, 2 analog outputs, and 16 digital I/O	USB-201-OEM	Board-only USB-based DAQ device with eight 12-bit analog inputs, 100 kS/s, and 8 digital I/O lines
USB-1608FS-Plus	USB-based DAQ device with 8 simultaneous 16-bit analog inputs and 8 digital I/O	USB-204-OEM	Board-only USB-based DAQ device with eight 12-bit analog inputs, 500 kS/s, and 8 digital I/O lines
USB-1608G	USB-based 16-channel, 250 kS/s device with eight DIO lines, two 32-bit counter inputs, and one timer output	USB-2408	USB-based 24-bit, isolated, 16 SE/8 DIFF temperature and voltage measurement device with 8 digital I/O and 2 counter inputs
USB-1608GX	USB-based 16-channel, 500 kS/s device with eight DIO lines, two 32-bit counter inputs, and one timer output	USB-2408-2AO	USB-based 24-bit, isolated, 16 SE/8 DIFF temperature and voltage measurement device with 8 digital I/O, 2 counter inputs, and 2 analog outputs
USB-1608GX-2AO	USB-based 16-channel, 500 kS/s device with two analog outputs, eight DIO lines, two 32-bit counter inputs, and one timer output	USB-7202	USB-based 16-bit, 8-channel, 100 kS/s device with one A/D per channel, eight digital I/O, and one counter input
USB-2001-TC	USB-based single-channel thermocouple measurement device - Designed for OEMs	USB-7204	USB-based 12-bit, 8-channel, 50 kS/s per channel device with 16 digital I/O, and one counter input
USB-201	USB-based DAQ device with eight 12-bit analog inputs, 100 kS/s, and 8 digital I/O lines		

