

# Portable USB-Based DAQ with Simultaneous Sampling

## NI USB-9215A (Mac/Linux®)

- Small, portable devices (12.1 by 8.6 by 2.5 cm)
- 4 channels of 16-bit simultaneously sampled analog input
- Built-in, removable connectors for easier and more cost-effective connectivity
- 250 V<sub>rms</sub> channel-to-earth ground isolation
- Plug-and-play connectivity via USB
- Bus-powered

### Operating Systems

- Mac OS X
- Linux

### Recommended Software

- LabVIEW

### Measurement Services Software (included)

- NI-DAQmx Base



Product	Signal Type	Channels (DI)	Input Resolution (bits)	Sampling Rate (kS/s/ch)	Input Range (V)	Connector	Operating System	Driver Software <sup>1</sup>
USB-9215A	Voltage	4	16	100	±10	Screw Terminal, BNC	Mac OS X and Linux	NI-DAQmx Base

<sup>1</sup>For up-to-date information on NI-DAQ, visit [ni.com/support/daq/versions.htm](http://ni.com/support/daq/versions.htm).

Table 1. Portable USB DAQ for Simultaneous Sampling Selection Guide

## Overview

The National Instruments USB-9215A is a data acquisition module with integrated signal conditioning that provides plug-and-play connectivity via USB for faster setup and measurements. It offers four channels of simultaneously sampled voltage inputs with 16-bit accuracy to deliver minimal phase delay when scanning multiple channels. In addition, this module includes 250 V<sub>rms</sub> channel-to-earth ground isolation for safety, noise immunity, and high common-mode voltage range.

## Software

The NI USB-9215A for Mac OS X and Linux uses NI-DAQmx Base, a multiplatform driver with a limited NI-DAQmx programming interface. You can use NI-DAQmx Base to develop customized data acquisition applications with NI LabVIEW or C-based development environments. NI-DAQmx Base includes a ready-to-run data logger application that acquires and logs up to four channels of analog data.

## Recommended Accessories

The USB-9215A has built-in screw-terminal connectivity, so no additional accessories are required. It is also available with BNC connectors.

## Common Applications

The USB-9215A is ideal for a number of applications where small size and portability are essential, such as:

- Portable data logging – log temperature data quickly and easily
- Academic lab use – obtain academic discounts for quantities of five or more (visit [ni.com/academic](http://ni.com/academic) for details)
- Environmental monitoring – monitor environmental conditions such as humidity or light
- Embedded OEM applications
- In-vehicle data acquisition

## Information for OEM Customers

For information on special configurations and pricing, visit [ni.com/oem](http://ni.com/oem).

## Ordering Information

NI USB-9215A (Mac/Linux)

Screw terminals .....	780101-01
BNC connectors .....	780102-01

## BUY NOW!

For complete product specifications, pricing, and accessory information, call 800 813 3693 (U.S.) or go to [ni.com/oem](http://ni.com/oem).

# NI Services and Support



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## Hardware Services

### NI Factory Installation Services

NI Factory Installation Services (FIS) is the fastest and easiest way to use your PXI or PXI/SCXI combination systems right out of the box. Trained NI technicians install the software and hardware and configure the system to your specifications. NI extends the standard warranty by one year on hardware components (controllers, chassis, modules) purchased with FIS. To use FIS, simply configure your system online with [ni.com/pxiadvisor](http://ni.com/pxiadvisor).

### Calibration Services

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. We provide manual calibration procedures, services to recalibrate your products, and automated calibration software specifically designed for use by metrology laboratories. Visit [ni.com/calibration](http://ni.com/calibration).

### Repair and Extended Warranty

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