

# Portable USB-Based DAQ with Simultaneous Sampling

## NI USB-9215A (Windows)

- 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

- Windows Vista/XP/2000

### Recommended Software

- LabVIEW
- LabWindows™/CVI
- Measurement Studio

### Measurement Services Software (included)

- NI-DAQmx driver software
- LabVIEW SignalExpress LE



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	Windows	NI-DAQmx

<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 uses NI-DAQmx high-performance, multithreaded driver software for interactive configuration and data acquisition on Windows OSs. All NI data acquisition devices shipped with NI-DAQmx also include NI LabVIEW SignalExpress LE configuration-based data-logging software.

## 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 (Windows)

Screw terminals .....779434-01

BNC connectors .....779435-01

## 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



NI has the services and support to meet your needs around the globe and through the application life cycle – from planning and development through deployment and ongoing maintenance. We offer services and service levels to meet customer requirements in research, design, validation, and manufacturing. Visit [ni.com/services](http://ni.com/services).

## Training and Certification

NI training is the fastest, most certain route to productivity with our products. NI training can shorten your learning curve, save development time, and reduce maintenance costs over the application life cycle. We schedule instructor-led courses in cities worldwide, or we can hold a course at your facility. We also offer a professional certification program that identifies individuals who have high levels of skill and knowledge on using NI products. Visit [ni.com/training](http://ni.com/training).

## Professional Services

Our NI Professional Services team is composed of NI applications and systems engineers and a worldwide National Instruments Alliance Partner program of more than 600 independent consultants and

integrators. Services range from start-up assistance to turnkey system integration. Visit [ni.com/alliance](http://ni.com/alliance).



## OEM Support

We offer design-in consulting and product integration assistance if you want to use our products for OEM applications. For information about special pricing and services for OEM customers, visit [ni.com/oem](http://ni.com/oem).

## Local Sales and Technical Support

In offices worldwide, our staff is local to the country, giving you access to engineers who speak your language. NI delivers industry-leading technical support through online knowledge bases, our applications engineers, and access to 14,000 measurement and automation professionals within NI Developer Exchange forums. Find immediate answers to your questions at [ni.com/support](http://ni.com/support).

We also offer service programs that provide automatic upgrades to your application development environment and higher levels of technical support. Visit [ni.com/ssp](http://ni.com/ssp).

## 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

NI provides complete repair services for our products. Express repair and advance replacement services are also available. We offer extended warranties to help you meet project life-cycle requirements. Visit [ni.com/services](http://ni.com/services).



[ni.com](http://ni.com) • 800 813 3693

National Instruments • [info@ni.com](mailto:info@ni.com)



351569A-01

2008-8980-301-101-D-2A