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B Series Multifunction DAQ, 16-Bit, 200 kS/s, 16 Analog Inputs

NI B Series

- Basic functionality with NI quality
- Ideal for beginning users and OEMs
- 16 analog inputs at up to 200 kS/s
- 16-bit input resolution
- 8 or 10 digital I/O lines
- Digital triggering
- Up to 4 analog input signal ranges
- NI measurement services software simplifies configuration and measurements

Operating Systems

- Windows 2000/XP
- Mac OS X
- Linux

Recommended Software

- LabVIEW
- LabWindows/CVI
- Measurement Studio
- VI Logger
- SignalExpress

Measurement Services Software (included)[1]

- NI-DAQmx driver software
- Measurement & Automation Explorer configuration utility
- VI Logger Lite data-logging software

[1]Mac OS X and Linux users must download NI-DAQmx Base driver.

NI recommends the M Series low-cost family.



Product	Bus	Analog Inputs[1]	Input Resolution (bits)	Aggregate Sampling Rate (kS/s)[2]	Input Range (V)	Integrated Signal Conditioning	Analog Outputs	Output Resolution (bits)	Output Rate (S/s)	Output Range (V)	Digital I/O	Counter/ Timers	Triggers
PCI-6014	PCI	16 SE/8 DI	16	200	±0.05 to ±10	–	2	16	10 k	±10	8	2	Digital
PCI-6013	PCI	16 SE/8 DI	16	200	±0.05 to ±10	–	0	–	–	–	8	2	Digital
PCI-6010	PCI	16 SE/8 DI	16	200	±0.2 to ±5	–	2	16	static	±5	10	2	Digital

[1]SE–Single-ended, DI–differential [2]All channels share one analog-to-digital converter.

Table 1. B Series DAQ Selection Guide

Product Description

National Instruments B Series data acquisition boards deliver economical, reliable PCI data acquisition capabilities. Consider the M Series low-cost family of data acquisition products for PCI or PXI-based data acquisition applications requiring up to 32 analog input channels, up to 48 digital I/O lines, and up to 250 kS/s sampling rates, all for about the same price as a B Series data acquisition board.

Recommended Accessories

NI offers economical connectivity options as well as higher-performance, noise-reducing options.

	Signal Connectivity					
	Cable		Sensors/Signals >10 V		Signals <10 V	
Model	Low-Cost Ribbon	Noise-Reducing	Low-Cost Portable	High-Performance	Low-Cost Unshielded	Noise-Reducing
NI 6013	R68-68	SH68-68-EP	SCC	SCC	CB-68LP	SCB-68
NI 6014						

Table 2. B Series Accessory Selection Guide

Model	Cable	Connector Block
NI 6010	SH37F-37M-1	CB-37FLP

Table 3. NI 6010 Accessory Selection Guide

Key Features

- 16-bit analog input resolution
- Low-cost data acquisition with basic functionality
- Ideal for beginning users and OEMs
- NI measurement services software

Visit ni.com/oem for information on NI custom designs and quantity discounts for OEM customers.

Ordering Information

NI PCI-6014 778627-01
NI PCI-6013 778629-01
NI PCI-6010
  NI PCI-6010 779348-01
  NI PCI-6010, 50-Board Package 779348-50

Includes data acquisition driver software.

For more information on extended warranty and value-added services, visit ni.com/services.

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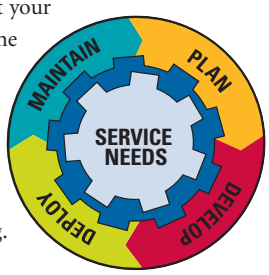
For complete product specifications, pricing, and accessory information, call (800) 813 3693 (U.S. only) or go to ni.com/daq.

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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.

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2005_5102_301_101_D

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