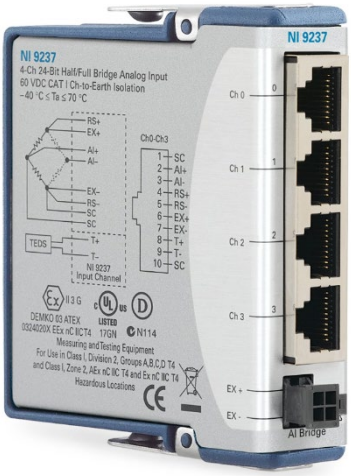
NI-9205 C Series Voltage Input Module

Starting from £ 920.00

VIEW PRODUCT DETAILS Configure A Custom NI System

±10 V, 250 kS/s, 16-Bit, 32-Channel C Series Voltage Input Module—The NI-9205 performs single-ended or differential analog inputs, with four programmable input ranges for each. It is an effective combination of channel count and speed at a low price for an economical multifunction system. You can choose from four programmable input ranges. To protect against signal transients, the NI-9205 includes up to 60 V of overvoltage protection between input channels and common. In addition, the NI-9205 also includes a channel-to-earth ground double isolation barrier for safety, noise immunity, and high common-mode voltage range. It is rated for 1,000 Vrms transient overvoltage protection.



NI-9237 C Series Strain/Bridge Input Module

Starting from £ 1,630.00

VIEW PRODUCT DETAILS Configure A Custom NI System

50 kS/s/channel, Bridge Analog Input, 4-Channel C Series Strain/Bridge Input Module—The NI-9237 includes all the signal conditioning required to power and measure up to four bridge-based sensors simultaneously. The module provides strain or load measurements with zero interchannel phase delay. It also has 60 VDC isolation and 1,000 Vrms transient isolation, providing high-common-mode noise rejection and increased safety. You can program the NI-9237 for use with half-bridge and full-bridge sensors with built-in excitation. The four RJ50 jacks provide direct connectivity to most torque or load cells and offer custom cable solutions with minimal tools.

cDAQ-9174 CompactDAQ Chassis Starting from £ 920.00

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4-Slot, USB CompactDAQ Chassis—The cDAQ-9174 is a CompactDAQ USB chassis designed for small, portable sensor measurement systems. The chassis provides the plug-and-play simplicity of USB to sensor and electrical measurements. It also controls the timing, synchronization, and data transfer between C Series I/O modules and an external host. You can use this chassis with a combination of C Series I/O modules to create a mix of analog I/O, digital I/O, and counter/timer measurements. The cDAQ-9174 also has four 32-bit general-purpose counters/timers. With multiple timing engines, you can run seven hardware-timed operations simultaneously, with three independent rates for analog input.

BNC-2110 Terminal Block Starting from £ 415.00

VIEW PRODUCT DETAILS

68-Pin SCSI to Female BNC and Spring Terminal, DIN Rail, Desktop Mount, Shielded Terminal Block—The BNC-2110 can be used with various NI multifunction I/O and analog output devices. The BNC-2110 simplifies the connection of analog signals, some digital signals, and two user-defined connections to the data acquisition device while maintaining the integrity of your measurements with a shielded enclosure. It includes a DIN Rail and a desktop mount option.

cRIO-9074

CompactRIO Controller

Life Cycle Status: Mature | **Last Orderable Date:** 12/31/19

8-Slot, 400 MHz CPU, 128 MB DRAM, 256 MB Storage, 2M Gate FPGA CompactRIO Controller (Legacy)—The cRIO-9074 is an embedded controller ideal for advanced control and monitoring applications. This rugged, fanless controller features a real-time processor and an FPGA and offers a variety of connectivity ports, including one Ethernet and one serial port.

PCI-6220 (Multifunction I/O Device)

Life Cycle Status: Mature

16 AI (16-Bit, 250 kS/s), 24 DIO PCI Multifunction I/O Device - The PCI-6220 offers analog input, correlated digital I/O, two 32-bit counters/timers, and digital triggering. The device delivers low-cost, reliable DAQ capabilities in a wide range of applications from simple … applications in laboratory automation, research, design verification/test, and manufacturing test. You can add sensor and high-voltage measurement capability to your device with SCC or SCXI signal conditioning modules. The included NI-DAQmx driver and configuration utility simplify configuration and measurements.