Low Cost DAQ Options

LabJack produces low cost, high quality, multifunction data acquisition and control products in OEM form factors starting at $75. Below is a featured list of devices that will not break the bank when trying to use in your next project. U3-LV-OEM's start at just $75! LabJack also produces other DAQ devices in OEM versions, check out the OEM DAQ page. If we removed features that are necessary for your project please Contact Us about getting a customized OEM that fits your project requirements. We can install a variety of parts onto the purchased DAQ before shipping the device.

To view our USB DAQ product offerings please see our USB DAQ (data acquisition) products. To view our Ethernet DAQ product offerings please see our Ethernet DAQ (data acquisition) products. To view our WiFi DAQ product offerings please see our WiFi DAQ (data acquisition) products.

Please note that the term "DAQ (data acquisition)" implies products that connect to a PC to acquire data. If you need an instrument that can operate independently from a computer we have Data Logging compatible DAQ devices that are capable of periodically recording to internal memory for later use.

Related LabJack Devices
Most Affordable DAQ

U3-LV/U3-HV

- Lowest cost DAQ device supporting USB
- 16 Flexible I/O (Digital Input, Digital Output, or Analog Input)
- Up to 2 Timers (Pulse Timing, PWM Output, Quadrature Input, ...)
- Up to 2 Counters
- 4 Additional Digital I/O
- Up to 16 12-bit Analog Inputs (0-2.4 V or 0-3.6 V, SE or Diff.)
- 2 Analog Outputs (10-Bit, 0-5 volts)
- Supports SPI, I2C, and Asynchronous Serial Protocols (Master Only)

U3-LV: $115
U3-HV: $119

Low Cost Multifunction DAQ

U12

- 8 Single-Ended, 4 Differential 12-Bit Analog Inputs
- ±10 Volt Analog Input Range
- PGA with Gains of 1, 2, 4, 5, 8, 10, 16, or 20 V/V
- Up to 8 kSamples/Sec (Burst) or 1.2 kSamples/Second (Stream)
- 2 Analog Outputs
- 20 Digital I/O (Up to 50 Hz per I/O)

U12: $159
- USB 2.0/1.1 Low Speed HID Interface
- Connect Up to 80 LabJacks to One USB Host
- Complete Software Control, No Jumpers or Switches

**Most Affordable DAQ**

**U3: LV/HV-OEM**

- Lowest cost DAQ device supporting USB
- 16 Flexible I/O (Digital Input, Digital Output, or Analog Input)
- Up to 2 Timers (Pulse Timing, PWM Output, Quadrature Input, ...)
- Up to 2 Counters
- 4 Additional Digital I/O
- Up to 16 12-bit Analog Inputs (0-2.4 V or 0-3.6 V, SE or Diff.)
- 2 Analog Outputs (10-Bit, 0-5 volts)
- Supports SPI, I2C, and Asynchronous Serial Protocols (Master Only)

**Low Cost Multifunction DAQ**

**U12-NTH/U12-PH**

- 8 Single-Ended, 4 Differential 12-Bit Analog Inputs
- ±10 Volt Analog Input Range

**U12-NTH**

- LV-OEM: $81
- HV-OEM: $85

- U12-NTH: $109
- U12-PH: $119
- PGA with Gains of 1, 2, 4, 5, 8, 10, 16, or 20 V/V
- Up to 8 kSamples/Sec (Burst) or 1.2 kSamples/Second (Stream)
- 2 Analog Outputs
- 20 Digital I/O (Up to 50 Hz per I/O)
- USB 2.0/1.1 Low Speed HID Interface
- Connect Up to 80 LabJacks to One USB Host
- Complete Software Control, No Jumpers or Switches

Why LabJack?

Windows, Mac OS X, Linux

Examples In:
- LabVIEW
- C/C++
- Python
- MATLAB
- Java
- Visual Basic
- .NET
- More...

LabJack Software Options

The LJM Library is a set of functions used to easily communicate with several of our devices using a simple Modbus over USB interface (as well as Modbus TCP/UDP when applicable). The goal is to be easy to use and understand, yet flexible.

All important values and data from the device can be read and/or written by using the associated register(s).

LabJack’s DAQ devices have a wide range of features

- Analog Inputs
- Digital I/O
- Analog Outputs
- PWM, Quadrature ...
- SPI, I2C, Async Serial ...

*Check Individual Devices for support
We don't force you into a certain operating system, software, or programming environment. We provide free support for C/C++, C#, Delphi, Java, LabVIEW, MATLAB, Python, VBA, VB.NET, DAQFactory and more. If you use something we don't already support, we will work with you to add support. Add new kinds of sensors on-the-fly. We provide inexpensive signal conditioning modules. Control valves, motors, lights, pumps, etc - using one of many digital I/O control options. Embed LabJack DAQ hardware in your product using our OEM options. Leveraging smart designs and the latest semiconductors, allows us to provide more performance for less money. Have confidence in your measurements. Each device is individually tested and calibrated traceable to NIST standards. New features are readily available through field-programmable firmware. Each device has multiple protection mechanisms on every I/O to help prevent damage. Free lifetime support. Timely Email responses that actually answer your question. Get answers from the engineers who made the product.