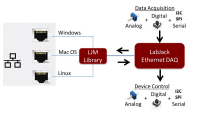
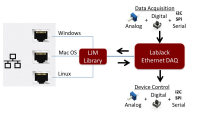




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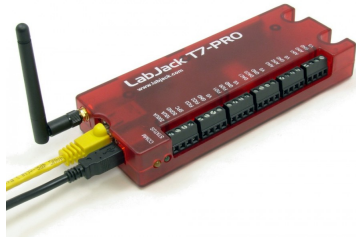
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Ethernet Data Acquisition (DAQ) or Supervisory Control and Data Acquisition (SCADA) Options



Related LabJack Devices

**High Performance,
USB, Ethernet, Wifi**



T7/T7-Pro

T7: \$520

T7-Pro: \$750

- Newest DAQ device supporting USB, Ethernet, and 802.11b/g WiFi
- Fully compatible with Modbus TCP/UDP and most SCADA programs
- 14 analog inputs built-in
- Expand to 84 analog inputs with Mux80 add-on
- Analog input ranges: $\pm 10V$, $\pm 1V$, $\pm 0.1V$ and $\pm 0.01V$
- 16-bit high-speed ADC (up to 100k samples/s)
- 24-bit low-speed ADC (resolution as low as 1uV noise-free)
- 23 digital I/O
- Up to 10 counters
- 2 analog outputs (12-bit, 0-5V)
- Serial protocols: SPI, I2C, and more ...
- Up to 8 PWM, quadrature, pulse width, and more ...

Low Cost Ethernet DAQ

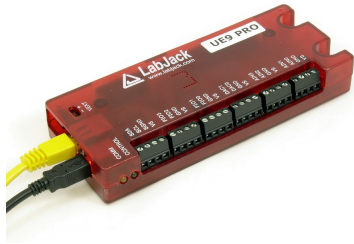


T4

T4: \$245

- Lowest cost [Modbus TCP](#) Ethernet DAQ device. Also supports USB communication.
- 4 dedicated high voltage analog inputs ($\pm 10V$, 12-bit resolution)
- 8 configurable low voltage analog inputs (0-2.5V, 12-bit resolution) that can function as digital I/O lines
- 8 dedicated digital I/O lines (EIO4-EIO7 and CIO0-CIO3)
- Multiple timers and counters (Pulse Timing, PWM Output, Quadrature Input, ...)
- Digital I/O lines support SPI, I2C, 1-Wire, and UART (Master modes only)
- 2 Analog Outputs (10-bit, 0-5 volts)

The Original, USB & Ethernet DAQ



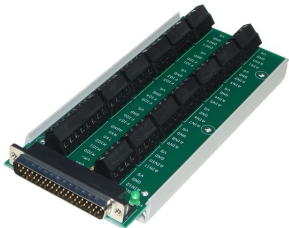
UE9/UE9-Pro

UE9: \$750
UE9-Pro: \$850

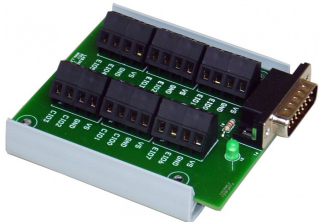
- USB 2.0/1.1 Full Speed and 10Base-T Ethernet
- Mostly compatible with Modbus TCP and most SCADA programs
- 14 Analog Inputs (12-16 Bits Depending on Speed)
- Expand to 84 analog inputs with Mux80 add-on
- UE9-Pro Adds 24-bit Low-Speed ADC for 20-Bit Effective Resolution
- ± 5 or 0-5 Volt Maximum Analog Input Range
- 2 Analog Outputs (12-Bit, 0-5 Volts) with Stream-Out Feature
- 23 Digital I/O
- Maximum Input Stream Rate of 50+ kHz (Depending on Resolution)
- Supports SPI, I2C, and Asynchronous Serial Protocols (Master Only)
- Dual-Processor Design with 168 MHz of Total Processing Power
- Electrical Isolation Possible with Ethernet Interface

Popular LabJack Accessories

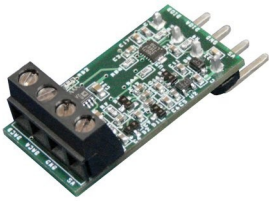
[CB37 Terminal Board](#)



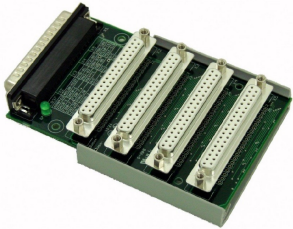
[CB15 Terminal Board](#)



[LJTick-DAC](#)



[Mux80 AIN Expansion Board](#)



Why LabJack?

All Software Is Free!

Windows, Mac OS X, Linux

Examples In:

- [LabVIEW](#)
- [C/C++](#)
- [Python](#)
- [MATLAB](#)
- [Java](#)
- [Visual Basic](#)
- [.NET](#)
- [More...](#)

LabJack Software Options

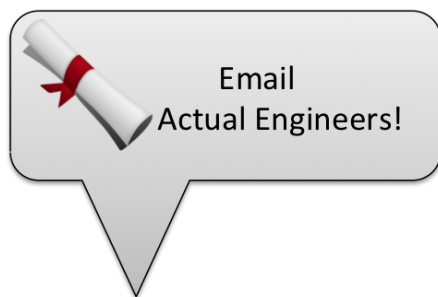
The [LJM Library](#) is a set of functions used to easily communicate with several of our devices using a simple Modbus over USB interface (as well as Modbus TCP/UDP when applicable). The goal is to be easy to use and understand, yet flexible. All important values and data from the device can be read 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.
