

LabJack T7-PRO

Multifunction DAQ - WiFi, Ethernet, and USB

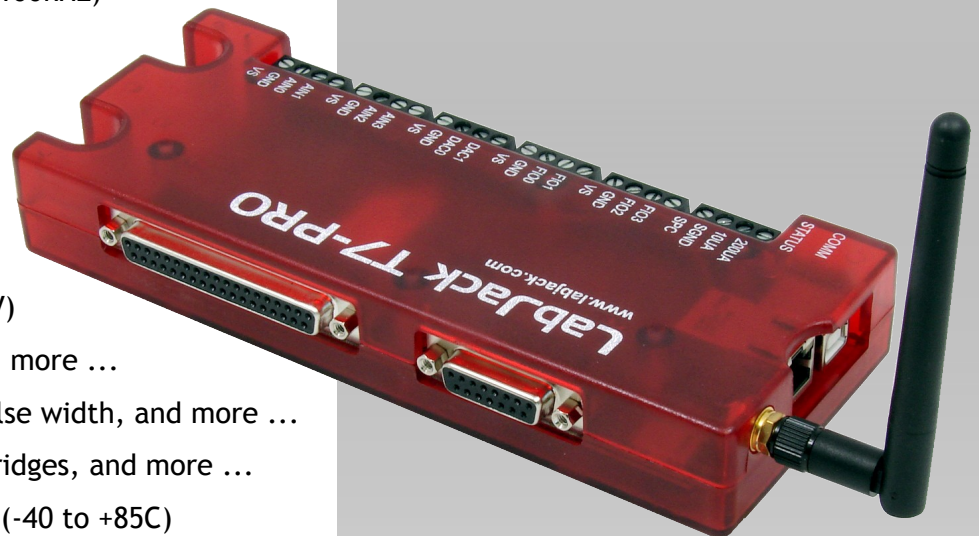
The T7-Pro combines our highest performance 24-bit analog inputs, convenient WiFi, and industrial-strength Ethernet.

\$499

labjack.com/t7

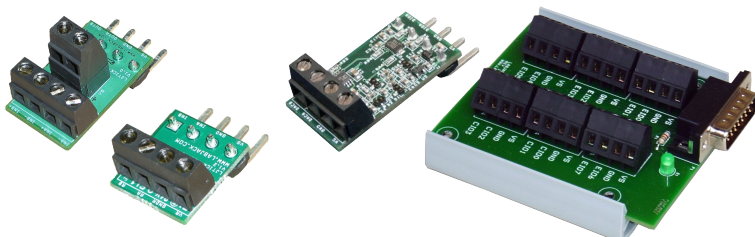
I/O Features

- Analog input resolution as low as **1 μ V noise-free**
- Analog input ranges: $\pm 10V$, $\pm 1V$, $\pm 0.1V$ and $\pm 0.01V$
- Expand to **84 analog inputs** with \$150 add-on
- 16-bit high-speed ADC (up to 100kHz)
- **24-bit** low-speed ADC
- 14 analog inputs built-in
- 23 digital I/O
- Watchdog system
- 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 ...
- Thermocouples, load cells, bridges, and more ...
- Industrial temperature range (-40 to +85C)



Other Highlights

- Each purchase includes **lifetime support**
- **Free applications** to configure, test, and log data to file
- Free examples: **C/C++**, **C#**, **Delphi**, **Java**, **LabVIEW**, **Matlab**, **Python**, **VB.NET** and more...
- Modbus TCP - Use any platform that supports TCP/IP, no driver required
- Free **cross-platform** LJM Library - Extends/wraps the Modbus protocol for convenience
- Expansion boards - Add $\pm 10V$ DACs, 4-20 mA inputs, terminal boards, relay boards and more...



"I really do love your products ... They are first class for coach price, and your customer service is what every company should aspire to have."

-Brad
Neuro-Test Inc

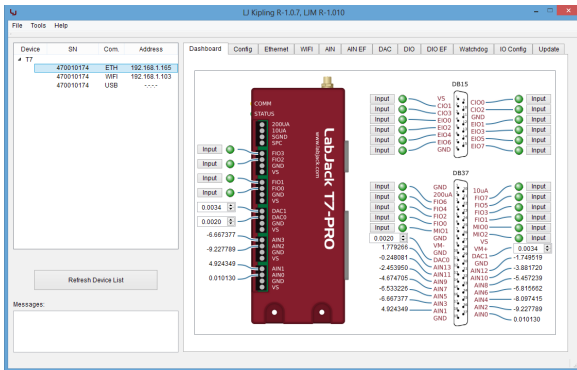
Software

Every feature of the T7 can be accessed directly using the associated **Modbus TCP** address, or use the **LJM Library** to access all features by name. This provides a powerful yet simple interface for almost any language or program.

Free Applications

- Up to 200Hz using simple LJLogM
- Up to 100kHz using simple LJStreamM
- Custom flexibility with DAQFactory Express

Test & Configure with Kipling



LJM library - Python Example

```
from labjack import ljm
handle = ljm.openS("T7", "WIFI", "ANY")

#Read the voltage on AINO
value = ljm.eReadName(handle, "AIN0")

#Set DAC0 to 3.3V
ljm.eWriteName(handle, "DAC0", 3.3)
```

“Your product saved me a bunch of money and time... I usually contact support organizations... about how bad their products are. I felt like I had to say how well yours worked!”

*-Thomas
Software Engineer*

Why LabJack?

Flexibility

- 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.

Quality Hardware

- 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.

Legendary Support

- Free lifetime support.
- Timely Email responses that actually answer your question.
- Get answers from the engineers who made the product.

“You guys are the best and your customer support should be the world-wide standard.”

*-Mike
Indiana University*

LabJack

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