



UE9

The UE9 is the only LabJack data acquisition device with USB and Ethernet.



Select UE9 specifications

- 14 Analog Inputs (12-16 Bits Depending on Speed)
- 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)
- 23 Digital I/O
- Up to 2 Counters (32-Bits Each)
- Up to 6 Timers (Pulse Timing, PWM Output, Quadrature Input, ...)
- Supports SPI, I2C, and Asynchronous Serial Protocols (Master Only)
- Supports Software or Hardware Timed Acquisition
- Maximum Input Stream Rate of 50+ kHz (Depending on Resolution)
- Capable of Command/Response Times as Low as 2.50 milliseconds
- Built-In Screw Terminals for Some Signals
- USB 2.0/1.1 Full Speed Interface
- Ethernet 10Base-T Interface
- Dual-Processor Design with 168 MHz of Total Processing Power
- Electrical Isolation Possible with Ethernet Interface

</sites/default/files/imagecache/product/full/ue9-250.jpg>

Example code for the UD Windows driver (U3, U6, UE9) (</support/ud/examples>)

LabJack UD Setup V3.15 (</support/ud/ud-setup>)

LabJack UD Setup V3.15 64-bit (</support/ud/ud-setup-64-bit>)

Quickstart Guide (</support/ud/quickstart-guide>)

UE9 User's Guide (</support/ue9/users-guide>)

More specifications (</ue9/specs>)

Buy

[UE9](/catalog/ue9) (</catalog/ue9>)

Stock: In Stock
Price: \$439.00

Quantity:

Add to cart



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[UE9-Pro](/catalog/ue9-pro) (</catalog/ue9-pro>)

Stock: In Stock
Price: \$539.00

Quantity:

Add to cart



</catalog/ue9-pro>

</catalog/ue9-pro>

Difference between the UE9-Pro and UE9

The UE9-Pro can do everything the normal UE9 can, but adds an additional ADC. Both the UE9 and UE9-Pro have the "high-speed"

ADC, while the UE9-Pro adds a "high-resolution" ADC.

In Section 3.1 of the [UE9 User's Guide \(/support/ue9/users-guide\)](/support/ue9/users-guide) you can see timing information for both converters. In Appendix B of the [UE9 User's Guide \(/support/ue9/users-guide\)](/support/ue9/users-guide) you can see noise & resolution tables for the high-speed ADC (UE9 and UE9-Pro, resolution index 12-17) and the high-resolution ADC (UE9-Pro only, resolution index 18).

Hardware Specs

The [UE9 hardware specifications page \(/ue9/specs\)](/ue9/specs) has a detailed list of features.

UD Series Software Options

- **Sample Applications:** LJControlPanel (part of the normal Windows installation) has a test panel where you can view all inputs and manually control all outputs. [LJLogUD.exe \(/support/ud/ljlogud\)](/support/ud/ljlogud) collects analog input data in command/response mode, displays it on screen, and writes it to file. [LJStreamUD.exe \(http://labjack.com/support/ud/ljstreamud\)](http://labjack.com/support/ud/ljstreamud) collects analog input data in stream mode, displays it on screen, and writes it to file.
- **Programming:** If you know any language we probably support it. This includes C, C++, C#, Delphi, Java, LabVIEW, LabWindows/CVI, MATLAB, Python, and Visual Basic (VB6/VB.NET). Start on our [main support page \(/support\)](/support).
- **DAQFactory:** DAQFactory is measurement and automation software from [Azeotech \(http://www.azeotech.com/\)](http://www.azeotech.com/). The Express version of DAQFactory is included with each U3/U6/UE9/U12. DAQFactory allows non-programmers to make custom applications. It is easy to collect input data, convert to engineering units, display it, and log it to file, without any programming (see the [quick tutorial \(/support/ud/daqfactory-labjackud-quick-tutorial\)](/support/ud/daqfactory-labjackud-quick-tutorial)). Scripting is also supported so you can do advanced applications with control and automatic setting of outputs. Check out [www.dagexpress.com \(http://dagexpress.com/\)](http://dagexpress.com/), and on the UD downloads page check out the [DAQFactory - LabJackUD Quick Tutorial \(/support/ud/df-lj-quick-tutorial\)](/support/ud/df-lj-quick-tutorial) and the [DAQFactory - LabJackUD Application Guide \(/support/ud/df-lj-app-guide\)](/support/ud/df-lj-app-guide).
- **CloudDot:** For applications at about 1 Hz or slower, our CloudDot system is a great way to do everything online. Get started for free at [cloud.labjack.com \(http://cloud.labjack.com/\)](http://cloud.labjack.com/).

All of these are free, at least to start. There are premium versions of DAQFactory and CloudDot available.

Support Guide and Forum

The [UE9 Support Guide \(/support/ue9\)](/support/ue9) and [Forum \(http://forums.labjack.com/index.php?showforum=15\)](http://forums.labjack.com/index.php?showforum=15) are available for technical support.

Compatible Accessories and Sensors

[CB15 Terminal Board \(/catalog/cb15-terminal-board\)](/catalog/cb15-terminal-board)



[\(/catalog/cb15-terminal-board\)](/catalog/cb15-terminal-board)
Price: \$29.00

[CB37 Terminal Board \(Rev 2.1\) \(/catalog/cb37-terminal-board-rev-21\)](/catalog/cb37-terminal-board-rev-21)



[\(/catalog/cb37-terminal-board-rev-21\)](/catalog/cb37-terminal-board-rev-21)
Price: \$39.00

[DCA-10 \(/catalog/dca-10\)](/catalog/dca-10)



[\(/catalog/dca-10\)](/catalog/dca-10)
Price: \$150.00

[EB37 Experiment Board \(/catalog/eb37-experiment-board\)](/catalog/eb37-experiment-board)



[\(/catalog/eb37-experiment-board\)](/catalog/eb37-experiment-board)
Price: \$99.00

[EI1022 Temperature Probe \(/catalog/ei1022-temperature-probe\)](/catalog/ei1022-temperature-probe)



[\(/catalog/ei1022-temperature-probe\)](/catalog/ei1022-temperature-probe)
Price: \$29.00

[EI1034 Temperature Probe \(/catalog/ei1034-temperature-probe\)](/catalog/ei1034-temperature-probe)



[\(/catalog/ei1034-temperature-probe\)](/catalog/ei1034-temperature-probe)
Price: \$49.00

[EI1040 Dual Instrumentation Amplifier \(/catalog/ei1040-dual-instrumentation-amplifier\)](/catalog/ei1040-dual-instrumentation-amplifier)



[\(/catalog/ei1040-dual-instrumentation-amplifier\)](/catalog/ei1040-dual-instrumentation-amplifier)
Price: \$99.00

[EI1050 Digital Temperature/Humidity Probe \(/catalog/ei1050-digital-temperaturehumidity-probe\)](/catalog/ei1050-digital-temperaturehumidity-probe)



[\(/catalog/ei1050-digital-temperaturehumidity-probe\)](/catalog/ei1050-digital-temperaturehumidity-probe)
Price: \$69.00

[LJTick-CurrentShunt \(/catalog/ljtick-currentshunt\)](/catalog/ljtick-currentshunt)



[\(/catalog/ljtick-currentshunt\)](/catalog/ljtick-currentshunt)
Price: \$39.00

[LJTick-DAC \(/catalog/ljtick-dac\)](/catalog/ljtick-dac)



[\(/catalog/ljtick-dac\)](/catalog/ljtick-dac)
Price: \$79.00

[LJTick-Divider \(/catalog/ljtick-divider\)](/catalog/ljtick-divider)



[\(/catalog/ljtick-divider\)](/catalog/ljtick-divider)
Price: \$25.00

[LJTick-InAmp \(/catalog/ljtick-inamp\)](/catalog/ljtick-inamp)



[\(/catalog/ljtick-inamp\)](/catalog/ljtick-inamp)
Price: \$49.00

[LJTick-Proto \(/catalog/ljtick-proto\)](/catalog/ljtick-proto)



[\(/catalog/ljtick-proto\)](/catalog/ljtick-proto)

Price: \$10.00

[LJTick-RelayDriver \(/catalog/ljtick-relaydriver\)](/catalog/ljtick-relaydriver)



[\(/catalog/ljtick-relaydriver\)](/catalog/ljtick-relaydriver)

Price: \$12.00

[RB12 Relay Board \(/catalog/rb12-relay-board\)](/catalog/rb12-relay-board)



[\(/catalog/rb12-relay-board\)](/catalog/rb12-relay-board)

Price: \$119.00