



Your next breakthrough,
faster than ever



PID
Controller



Digital Filter
Box



Phasemeter



Laser Lock
Box



Logic Analyzer /
Pattern Generator



Oscilloscope



Spectrum
Analyzer



Lock-in
Amplifier



FIR Filter
Builder



Waveform
Generator



Frequency
Response
Analyzer



Arbitrary
Waveform
Generator



Data
Logger



Moku Cloud
Compile



Multi-
instrument
Mode

Moku:Go

From backpack to benchtop

Moku:Go is a portable, all-in-one device ideal for actively testing electrical and computer engineering designs and projects. Whether undergraduate student or life-long learner, Moku:Go delivers unmatched convenience and accessibility. Practical yet inspired, Moku:Go is designed to go wherever your ideas take you.

A user interface that makes sense

Use the intuitive Moku: App for Windows or Mac to configure each of the instruments, or take advantage of API support to integrate with the rest of your experiment.



2 analog inputs

- 125 MSa/s, 12-bit ADCs
- 30 MHz bandwidth
- 1 MΩ impedance
- AC or DC coupling

DIO

- 16-channel, 62.5 MSa/s

Programmable power supplies

- Ch 1: +5 V to -5 V @ 150 mA
- Ch 2: 0 to 16 V @ 150 mA
- Ch 3, 4: Dual 0.6 to 5 V @ 1 A

2 analog outputs

- 125 MSa/s, 12-bit DACs
- 20 MHz bandwidth
- 50 Ω impedance
- DC coupled

Applications

- Control systems
- Power management
- Early prototyping
- Senior design

Moku:Lab

Flexible hardware for the next generation of test

Moku:Lab is a complete, cost-effective tool for testing and controlling electronic and optical experiments. Equipped with easy-to-use software and professional-grade hardware, researchers and scientists can spend less time on setup and troubleshooting and more time on their next breakthrough.

Class-leading user interface

Moku:Lab's software is designed to elevate the user experience, streamline workflows, and maximize productivity. Touch-and-zoom capabilities on the iPad App bring a more dynamic and interactive experience to test and measurement.



2 analog inputs

- 500 MSa/s, 12-bit ADCs
- 200 MHz bandwidth
- 50 Ω / 1 MΩ impedance
- AC or DC coupling

Additional I/O

- Dedicated trigger input
- 10 MHz synchronization in and out
- Onboard Wi-Fi, ethernet, USB
- SD card for data storage

2 analog outputs

- 1 GSa/s, 16-bit DACs
- 300 MHz bandwidth
- 50 Ω impedance
- DC coupled

Highlights

- Better than 30 nV/√Hz noise performance above 100 kHz
- 500 ppb stability onboard clock
- < 1 μs input-to-output latency

Moku:Pro

Flexible research, faster development, scalable in an instant

Moku:Pro is a scalable, high-performance test solution for developing and validating next-generation devices and systems. From precision measurements to real-time closed-loop control, Moku:Pro enables R&D and test engineers to streamline test complexity and accelerate project timelines.

Run 4 instruments simultaneously

Configure up to 4 instruments independently or combine them to build sophisticated digital signal processing pipelines with Multi-instrument Mode.

Code, compile, and deploy custom DSP algorithms

Advanced users can use Moku Cloud Compile to design custom features and deploy them directly on Moku:Pro's FPGA.



4 analog inputs

- Up to 5 GSa/s
- 10/18-bit ADCs with frequency-dependent blending
- 600 MHz bandwidth
- $50\ \Omega$ / $1\ \text{M}\Omega$ impedance
- AC or DC coupling

Additional I/O

- Dedicated trigger input
- 10 MHz reference in and out
- Onboard Wi-Fi, ethernet, USB
- 120 GB high-speed SSD

4 analog outputs

- 1.25 GSa/s, 16-bit DACs
- 500 MHz bandwidth
- $\pm 5\text{ V}$ up to 100 MHz, $\pm 1\text{ V}$ up to 500 MHz ($50\ \Omega$)

Highlights

- Exceptional low-frequency noise performance: 500 μV RMS at full input bandwidth
- 300 ppb stability onboard clock
- < 650 ns input-to-output latency

Liquid Instruments' test platform with Instrument-on-Chip technology delivers a unique combination of performance and versatility. We help students, scientists, and engineers learn, discover, and create.

Learn more at
liquidinstruments.com

