Moku:Go

The Engineering Education Lab Solution

Moku:Go is a complete engineering lab solution for students to actively learn anything from circuits to senior design. Designed to be carried in a backpack, Moku:Go features 10+ instruments and optional programmable power supplies. With the Multi-instrument Mode, two instruments can be deployed simultaneously to create your own custom testbench. It eliminates the need for bulky benchtop instruments and empowers students to learn wherever they are. Hardware features include a Wi-Fi Hotspot, integrated high-quality connectors with enhanced electrical protection, USB-C for data, and 6 color options. An intuitive user interface (UI) is included for Windows and Mac, and API support integrates with the rest of your curriculum. We've thought of everything to ensure students have a complete experience for four years and beyond.

Analog Inputs/Outputs	Input Bandwidth	Digital I/O	Output Bandwidth	Programmable Power Supplies
Two 12 bit, 125 MSa/s	**30 MHz**	**16 channel @ 125 MSa/s**	**20 MHz**	**2 or 4 channel option**

10+ Powerful Instruments

- Arbitrary Waveform Generator
- Data Logger
- Digital Filter Box
- Frequency Response Analyzer
- FIR Filter Builder
- Logic Analyzer
- Oscilloscope / Voltmeter
- PID Controller
- Spectrum Analyzer
- Waveform Generator
- Lock-in Amplifier* (add-on option)

Programmable Power Supplies

2 channel option

- +5 V to -5 V @ 150 mA
- 0 to 16 V @ 150 mA

4 channel option

- +5 V to -5 V @ 150 mA
- 0 to 16 V @ 150 mA
- Dual 0.6 to 5 V @ 1 A

Specifications

Analog Inputs

- Two 12 bit, 125 MSa/s input channels
- 30 MHz analog bandwidth
- AC or DC coupling with 1 MΩ impedance
- Input range up to ± 25 V

Analog Outputs

- Two 12 bit, 125 MSa/s output channels
- 20 MHz analog bandwidth
- ± 5 V maximum output range

Digital I/O

- 16-channel DIO at 125 MSa/s
- Support 3.3 V (5 V tolerant) logic level

Programming Environment

- API support for Python, MATLAB, and LabVIEW
- Windows or MacOS
- Moku Cloud Compile support for FPGA customization

Models

M0,

- 2 analog inputs, 2 analog outputs and 16 DIO
- USB-C, Wi-Fi, software, and APIs

M1,

- All features from M0
- Two-channel programmable power supply

M2,

- All features from M0
- Ethernet
- Four-channel programmable power supply

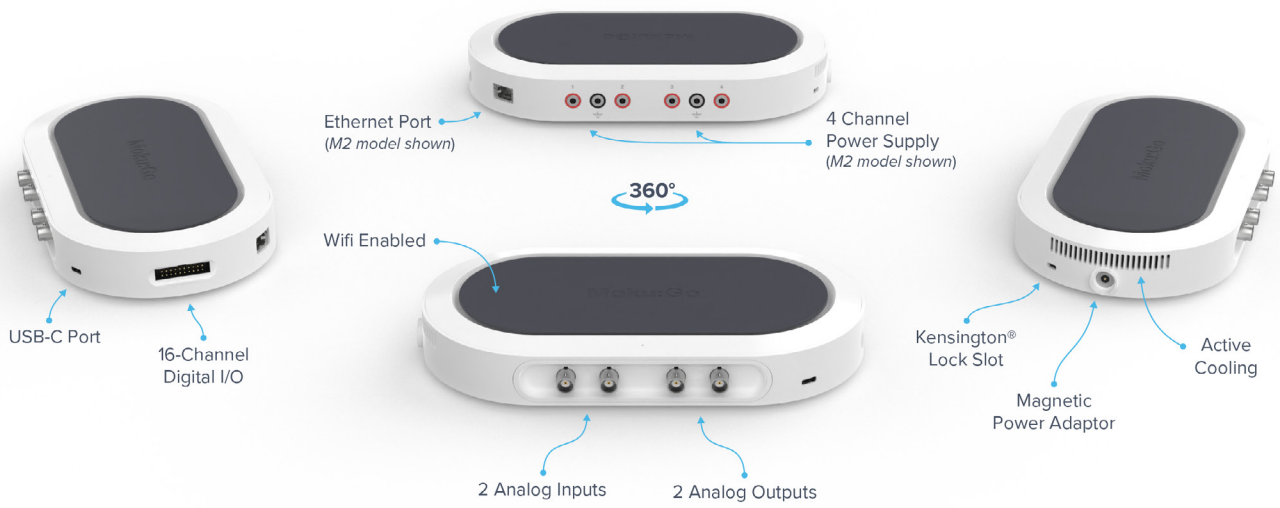
Options & Accessories

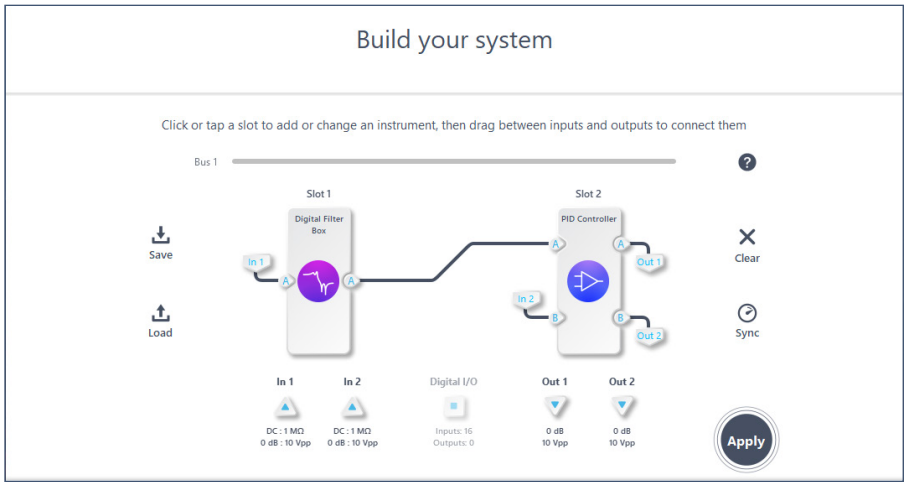
- *Lock-in Amplifier,
- All models include relevant accessories: 2 oscilloscope probes, DIO cabling, power adapter, USB-C and Ethernet cable, and power supply cables
- 6 standard colors, or custom color upgrade

For full specifications and education pricing, please contact edu@liquidinstruments.com

High quality hardware and complete feature set, designed to last.

With hardware components including integrated BNC connectors, integrated banana jack connectors for programmable power supplies, a high-grip rubberized base to prevent slippage, and robust electrical protection to ensure safety in the lab, you have everything you need to maximize learning on safe, durable hardware.





The world's most intuitive user interface *meets the classroom.*

We've brought you a UI that makes teaching difficult concepts easy, and learning them even easier. Use the Moku:Go App for Mac or Windows to configure any of the 11 instruments, and switch between instruments in seconds. Want your students to experience industry-standard platforms? No problem. Full API integration is available for Python and MATLAB.

6 standard colors, or custom color upgrade