

Moku:Go

Flexible, portable design and test tool



Moku:Go is a portable design and test tool to help engineers prototype from anywhere and give students new ways to learn essential concepts from circuits to senior design. Moku:Go features 15 instruments and optional programmable power supplies. With Multi-instrument Mode, you can deploy up to three instruments simultaneously to create a custom test bench. Moku:Go eliminates the need for bulky benchtop instruments and empowers you to work wherever you are. Hardware features include a Wi-Fi hotspot, integrated high-quality connectors with enhanced electrical protection, USB-C for data, and six color options. An intuitive user interface (UI) is included and API support integrates with your existing automation and teaching tools.



Analog inputs/outputs
Two 12-bit, 125 MSa/s

Input bandwidth
30 MHz

Digital I/O
16-channel @ 125 MSa/s

Output bandwidth
20 MHz

M2 power supplies
4-channel option

15 powerful instruments

- Arbitrary Waveform Generator
- Data Logger
- Digital Filter Box
- Frequency Response Analyzer
- FIR Filter Builder
- Laser Lock Box
- Lock-in Amplifier
- Logic Analyzer
- Neural Network
- Oscilloscope / Voltmeter
- Phasemeter
- PID Controller
- Time & Frequency Analyzer
- Spectrum Analyzer
- Waveform Generator

Programmable power supplies

4-channel option

- +5 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 (-3 dB)
- AC or DC coupling with 1 M Ω impedance
- Input range up to ± 25 V

Analog outputs

- Two 12-bit, 125 MSa/s output channels
- 20 MHz analog bandwidth (-3 dB, low impedance)
- ± 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, LabVIEW, and more
- Windows, macOS, iPadOS, or visionOS
- Moku Compile support for FPGA customization

Multi-Instrument Mode

- 2 slots at 125 MSa/s
- 3 slots at 62.5 MSa/s

Models

M0

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

M2

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

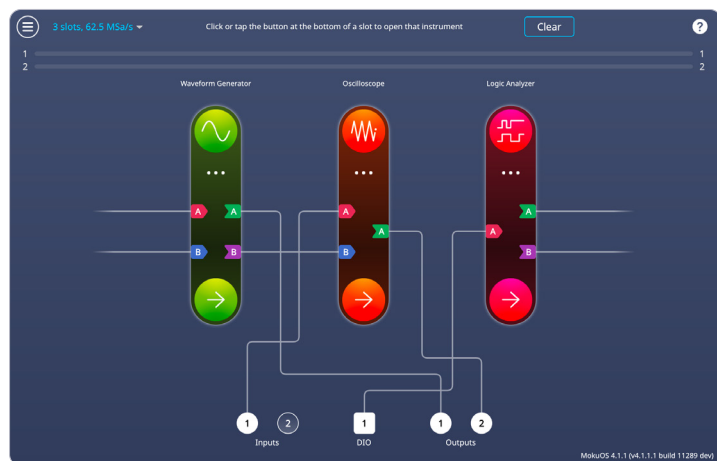
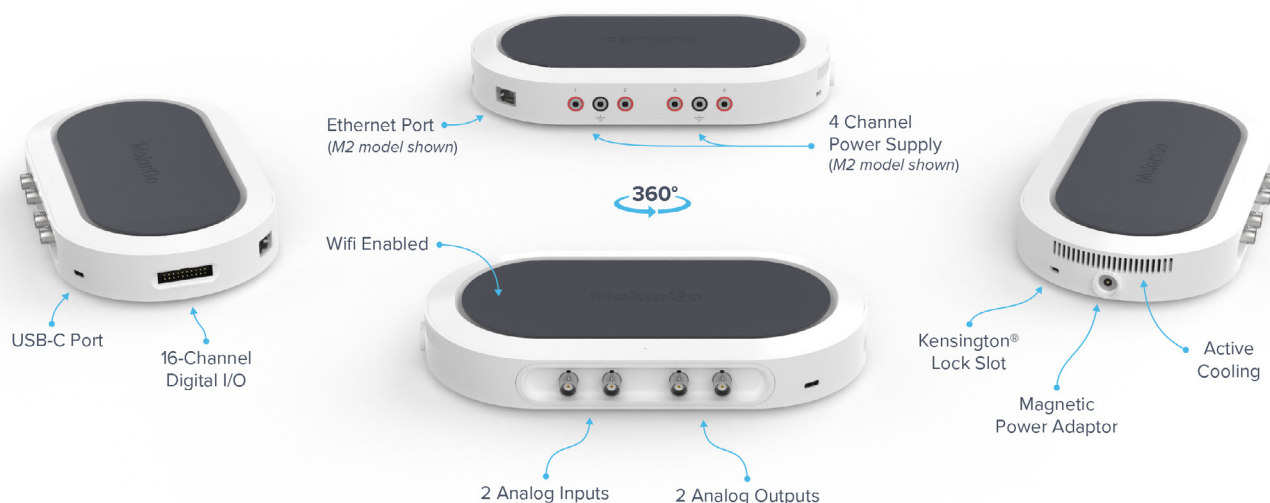
Options & accessories

- All models include: 2 oscilloscope probes, DIO cabling, power adapter, USB-C cable
- Supported models include: Ethernet cable and power supply cables
- 6 standard colors



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 Kensington Lock Slot and optional Ethernet make the Moku:Go perfect for bench use, or take it on the road with every model including Wi-Fi and USB.



The world's most intuitive user interface meets the test bench.

Moku:Go delivers a user interface that makes complex measurements simple and efficient. Use the Moku:Go app for macOS, Windows, iPadOS, or visionOS to configure and switch between instruments in seconds. With Multi-Instrument mode, run multiple tools simultaneously to capture more data and streamline your workflow. Full API integration with Python, MATLAB, and LabVIEW enables seamless automation and integration into your existing test environment.

Available in six colors



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