

## New Product Announcement

# Digilent's OpenScope MZ, Now at Mouser, Offers Several Bench Instruments in a Single Open Source Tool

**September 21, 2017** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [OpenScope MZ](#) from [Digilent](#). The OpenScope MZ provides an oscilloscope with USB and Wi-Fi connectivity, a waveform generator, and logic analyzer in a single board, designed to help engineers acquire, analyze, visualize, and generate signals from circuits, sensors, and other electronic devices.

The [Digilent OpenScope MZ](#), available from Mouser Electronics, is an open source, multi-function, electronic [instrumentation](#) device based on a powerful [Microchip PIC32 MZ](#) processor with floating point unit. Engineers can control the OpenScope using a computer or mobile device or can program the device to run standalone with high-speed precision analog and digital inputs and outputs (I/O).

OpenScope also comes with WaveForms Live, a free, open-source, JavaScript-based software. Using the OpenScope and the browser-based WaveForms Live, engineers can configure the OpenScope to be an oscilloscope, a function generator, a logic analyzer, a power supply, and a data logger. The device offers two 12-bit oscilloscope channels at 2 MHz bandwidth, one function generator output with 1 MHz bandwidth at 10 million samples per second (MS/s) update rate, and 10 user-programmable pins configurable as either GPIO or as a 10-channel logic analyzer. Additionally, the OpenScope provides two power supply channels with output up to 50 mA per channel at  $\pm 4$  V.

OpenScope is suitable for a range of applications, including real-time monitoring, data acquisition, and learning about electronics by visualizing circuits.

To learn more, visit <http://www.mouser.com/new/digilent/digilent-openscope-mz/>.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

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### **About Digilent**

Digilent Inc., a National Instruments company, is the world leader in academic and research technology solutions. The company manufactures embedded development tools and test and measurement devices for rapid prototyping and training, enabling engineers and makers to accelerate hardware and system development. Since its founding in 2000, Digilent has partnered with different leading semiconductor companies including Xilinx, Microchip, Analog Devices, Texas Instruments, and Imagination Technologies to provide products with the latest embedded and electronics technology. Digilent also offers resources including teaching material, sample labs, and shared curriculums that enable educators in over 1000 universities in more than 70 countries to teach the latest technology.

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