

New Product Announcement

Digilent's Zybo Z7 Dev Boards, Now at Mouser, Deliver Arm/FPGA Capabilities in an Entry-Level Platform

November 1, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the New Product Introduction (NPI) leader that empowers innovation, is now stocking the [Zybo Z7](#) development boards from [Digilent](#). The latest addition to the popular Zybo platform of Arm®/FPGA system-on-chips (SoCs), the Zybo Z7 is a feature-rich, ready-to-use, entry-level embedded software and digital circuit development platform for a wide range of applications, including [robotics](#), embedded architecture, [medical](#) equipment, [server](#)-backhaul products, [advanced driver assistance systems](#) (ADAS), and embedded vision.

The [Digilent Zybo Z7](#) development boards, available from Mouser Electronics, are based on the Xilinx Z-7010 (Zybo Z7-10 board) and Z-7020 (Zybo Z7-20) All-Programmable SoCs (AP SoCs) architecture, which integrates a dual-core Arm Cortex®-A9 processor with Xilinx 7-series FPGA logic. When coupled with its rich set of multimedia and connectivity peripherals, the Zybo Z7 development boards offer designers a flexible, cost-effective alternative so they can leverage the massive processing power and extensibility of the Zynq AP SoC architecture.

The Zybo Z7-20 has an internal FPGA that is three times larger than the Z7-10's, which translates into additional features due to the extra FPGA pins. The Zybo Z7-20 also includes a heat sink for the additional FPGA resources. Both boards include a voucher for the SDSoc toolset, which provides a familiar embedded C/C++ application development experience.

Both the Zybo Z7-10 and Z7-20 also come equipped with a rich set of multimedia and connectivity peripherals to create an impressive single-board computer that is perfect for embedded circuit development. The video-capable feature set includes a MIPI CSI-2 compatible Pcam connector, HDMI input, HDMI output and high DDR3L bandwidth. In addition, six Digilent Pmod™ connectors on the boards enable access to Digilent's catalog of [Pmod peripheral modules](#), which include [motor controllers](#), displays, and [sensors](#).

To learn more about the Zybo Z7 Development Boards, visit <https://www.mouser.com/new/digilent/digilent-zybo-z7-zynq-7000-soc/>.

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, Inc.

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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