



## New Product Announcement

### Now at Mouser: Microchip Hello FPGA Kit Simplifies FPGA Development for AI and Image Processing Applications

**April 7, 2020** – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [Hello FPGA](#) Kit from [Microchip Technology](#). The kit is an entry-level platform developed for end users with low to medium experience with field-programmable gate arrays (FPGAs). The Hello FPGA Kit supports artificial intelligence (AI) and digital signal processing prototypes and includes a power monitor GUI that allows developers to measure FPGA core power consumption while running designs. The kit is suitable for the development of a broad range of solutions, including [communications](#), [industrial](#), aviation, [medical](#), and defense applications.

The [Microchip Hello FPGA](#) Kit, available from Mouser Electronics, includes the FPGA mainboard, a camera sensor board, LCD board, and required [USB](#) cable. The FPGA mainboard is based on the [SmartFusion®2](#) system-on-chip (SoC) FPGA. The [low-power](#) SmartFusion2 device combines FPGA fabric with a 166-MHz Arm® Cortex®-M3 microcontroller subsystem that includes 256 Kbytes of embedded flash, extensive peripherals, instruction cache, and Embedded Trace Macrocell.

The FPGA mainboard also includes a Microchip [PIC32MX7](#) microcontroller — which controls the SmartFusion2 SoC, monitors power, and more — as well as [Arduino](#) and Mikroe [mikroBUS](#) connectors to offer flexibility for prototyping and expansion. The kit can work as a standalone unit as well as an extension to existing Microchip kits over the PICkit™ Header.

To learn more, visit <https://www.mouser.com/new/microchip/microchip-m2s-hello-fpga-kit/>. To watch a video about the Microchip Hello FPGA Kit, go to <https://www.mouser.com/new/microchip/microchip-m2s-hello-fpga-kit/#Video-7>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

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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