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New Product Announcement

Now at Mouser: Arduino MKR VIDOR 4000 Packs Intel Cyclone FPGA and Microchip SAM D21 MCU in Small Form Factor Board

September 13, 2018 – Mouser Electronics, Inc., the New Product Introduction (NPI) leader empowering innovation, is now stocking the MKR VIDOR 4000 development board from Arduino. The MKR VIDOR 4000 lets engineers essentially create their own controller board, boasting an array of robust hardware plus Wi-Fi and *Bluetooth*® connectivity on top of an Intel® Cyclone® 10 field programmable gate array (FPGA) and Microchip SAM D21 microcontroller.

The Arduino MKR VIDOR 4000, available from Mouser Electronics, incorporates an Intel Cyclone 10 FPGA with 16K logic elements and 504 Kbytes of embedded RAM, plus a 32-bit Microchip SAM D21 Arm® Cortex®-M0+ microcontroller with 256 Kbytes of flash memory and 32 Kbytes of SRAM. The board also offers a 2 Mbyte QSPI flash chip, 8 Mbytes of SDRAM, and 802.11b/g/n Wi-Fi and dual-mode Bluetooth 4.2 connectivity. Other board features include a Mini PCI Express connector with up to 25 user-programmable pins, MIPI camera connector, and a Micro HDMI connector.

The highly configurable and powerful board offers fifty-six 18-bit × 18-bit hardware multipliers for high-speed DSP applications. The FPGA pins can toggle up to 150MHz and can also be configured as common communications ports such as UART, I²C, and SPI, making it ideal for audio and video processing. The MKR VIDOR 4000 also includes a Microchip ECC608 CryptoAuthentication IC, which combines world-class hardware-based key storage with hardware cryptographic accelerators to implement various authentication and encryption protocols.

The MKR VIDOR 4000 uses the Arduino MKR form factor and pinout on the standard analog and digital pins, allowing engineers to add shields and accessories designed for the other MKR boards.

To learn more, visit www.mouser.com/arduino-mkr-vidor-4000.

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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

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Arduino

Arduino is an open-source electronics prototyping platforms based on flexible, easy-to-use hardware and software. Arduino prototyping platforms are intended for artists, designers, beginners, hobbyists, and anyone interested in creating interactive objects or environments. Arduino projects can sense the environment by receiving input from a variety of sensors and can affect their surroundings by controlling lights, motors, and other actuators. Arduino projects can be stand-alone or they can communicate with software running on a computer.

Trademarks

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