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New Product Announcement

Mouser Electronics Now Stocking the Powerful Arduino Portenta H7 for Pro Maker and Industrial Markets

July 23, 2020 – Mouser Electronics, Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the highly anticipated Arduino Portenta H7, the first high-performance, industry-rated board in the Arduino Pro platform.

The Arduino Portenta H7, now shipping globally from Mouser Electronics, is based on a dual-core STMicroelectronics STM32H747 microcontroller that enables the board to simultaneously run high-level code along with real-time tasks. The STM32H747 processor's 480 MHz Arm® Cortex®-M7 core and 240 MHz Arm Cortex-M4 core communicate via a Remote Procedure Call mechanism that allows each processor to call functions on the other processor seamlessly. Both processors share all the in-chip peripherals and can run Arduino sketches on top of the Arm Mbed™ operating system, native Mbed applications, MicroPython and JavaScript (via an interpreter), and TensorFlow™ Lite.

The Portenta can run like any other embedded microcontroller board, or as a main processor of an embedded computer, with the STM32H747 processor's GPU enabling engineers to connect the board to an external monitor. An onboard Murata Type 1DX wireless module facilitates simultaneous Wi-Fi and *Bluetooth*® Classic and Bluetooth Low Energy connectivity. The Wi-Fi interface can be operated as an access point (AP), station (STA), or dual-mode simultaneous AP/STA, with a transfer rate up to 65 Mbps. The board supports wired interfaces such as UART, SPI, Ethernet, and I²C, through the MKR-compatible connectors or through two 80-pin high-density connectors, which ensure scalability for a wide range of applications.

To learn more about the Arduino Portenta H7, visit https://www.mouser.com/new/arduino/arduino-portenta-h7/.

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

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 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 1 million sq. ft. state-of-the-art facilities 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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