

New Product Announcement

Now at Mouser: Microchip's ATmega4809 8-bit MCU for Command and Control Applications

August 6, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [ATmega4809](http://www.microchip.com/ATmega4809) 8-bit microcontroller from [Microchip Technology](http://www.microchip.com). The ATmega4809 introduces a new series of megaAVR® microcontrollers designed to create highly responsive command and control applications. The microcontroller features Core Independent Peripherals (CIPs), which allow it to perform tasks in hardware instead of through software, while an integrated high-speed analog-to-digital converter (ADC) with voltage reference enables faster conversion of analog signals. Because of the advantages offered by the hardware-based CIPs, the ATmega4809 microcontroller was selected to be the on-board microcontroller for the Arduino Uno Wi-Fi Rev 2 board.

The [Microchip ATmega4809](http://www.microchip.com/ATmega4809) 8-bit microcontroller, available from Mouser Electronics, is based on a high-performance 8-bit AVR® RISC CPU. The device's flexible, [low-power](#) architecture offers three sleep modes, allowing developers to choose the ideal balance between processing speed and power consumption. The ATmega4809's CIPs include Configurable Custom Logic (CCL), Cyclic Redundancy Check (CRC), and five 16-bit timers, resulting in decreased frequency of delayed responses and an improved user experience. Robust and responsive, the ATmega4809 microcontroller features an operating range of 1.8 V to 5.5 V and an operating temperature range of minus 40 to 125 degrees Celsius. With the support of factory-calibrated oscillators, the ATmega4809 is able to provide stable performance up to 20 MHz under extreme temperature conditions.

Mouser is also stocking the [ATmega4809 Xplained](#) Pro Evaluation Kit. Supported by the Atmel Studio integrated development platform, the evaluation kit provides a demonstration and development platform for the ATmega4809 microcontroller and allows developers to understand how to integrate the microcontroller into a custom design. The ATmega4809 Xplained Pro Evaluation Kit features an on-board embedded debugger to eliminate the need for external programming or debugging tools. The evaluation kit also supports additional peripherals to extend the features of the microcontroller.

To learn more about the Microchip ATmega4809 microcontroller, go to www.mouser.com/microchip-atmega4809-microcontroller.

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.

Trademarks

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. All other products, logos, and company names mentioned herein may be trademarks of their respective owners.

– 30 –

Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com