

New Product Announcement

Get SMART with Atmel SMART E70 ARM-Based Microcontrollers, Now at Mouser

October 26, 2015 – [Mouser Electronics](http://www.mouser.com), Inc. is now shipping the new [SMART SAM E70](#) flash-based microcontroller from [Atmel Corporation](http://www.atmel.com). This new high-performance Atmel microcontroller is based on a 32-bit ARM® Cortex®-M7 core running at up to 300MHz with an integrated Floating Point Unit (FPU). The device allows designers to increase performance and deliver SRAM and system functionality, while retaining the ease-of-use of the Cortex-M processor family for [Internet of Things](#) (IoT) or [Smart Energy](#) gateways, [industrial automation](#), and building control applications.

The new [Atmel SMART SAM E70](#) microcontroller, available from Mouser Electronics, offers an ideal mix of connectivity, memory, and performance. The microcontroller has up to 2048 KBytes of flash and 384 KBytes of configurable SRAM, and offers up to 114 programmable input/output pins as well as an ultra-low-power Real-Time Clock (RTC) and 32-bit ultra-low-power Real-time Timer (RTT). Twelve general-purpose 16-bit timers are available, each of which offer stepper motor and quadrature decoder (QDEC) logic support. The SAM E70 allows for efficient sampling and generation of external analog signals using dual 12-bit analog-to-digital converters (ADCs) with analog front end offering offset and gain error correction, a 12-bit digital-to-analog converter (DAC) with differential and oversampling modes, and an analog comparator.

The SAM E70 device features multiple networking and connectivity peripherals, including CAN-FD interface and one 10/100Mbps Ethernet MAC with specific hardware support for Audio Video Bridging (AVB). Additional communication interfaces include a High Speed USB Host and Device, a High Speed SDCard/SDIO/MMC interface, USARTs, SPIs, and multiple Two Wire Interface (TWI) buses.

Mouser is also stocking the [Atmel SMART ATSAMV71-XULT Xplained Ultra Evaluation Kit](#), a simple hardware platform for fast evaluation and development of the SAM E70 microcontroller. The kit is based on an ATSAMV71Q21 microcontroller with 2 MBytes of QSPI flash. An on-board embedded debugger eliminates the need for any external tools for device programming or debugging.

To learn more, visit <http://www.mouser.com/new/atmel/atmel-e70-mcus/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 21 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Atmel Corporation

Atmel Corporation is a global leader in designing, manufacturing and marketing advanced semiconductors including microcontroller (MCU), programmable logic, and nonvolatile memory. By combining these core technologies, Atmel meets the evolving and growing needs of today's electronic system design engineer through the production of general purpose and application specific system level integrated chips. Atmel's world class expertise and wealth of experience in system-level integration enable all of Atmel's products to be developed from their constituent blocks with minimum delay and risk.

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