New Product Announcement

Mouser Now Shipping New Intel Quark Processor for IoT

November 3, 2015 – Mouser Electronics, Inc. is now shipping the new Intel® Quark™ microcontroller D1000, designed for Internet of Things (IoT) architectures and applications. Announced at Intel's IoT Insights event in San Francisco, along with Intel® Quark™ microcontroller D2000 and the Intel® Quark™ SE microcontroller for IoT, this new technology extends intelligent computing to a new spectrum of data actuation applications and devices that require lower power consumption.

The Intel® Quark™ processors are at the top of their class, designed to provide exceptional user experience through scalability across the Intel portfolio of products. The microcontroller family simplifies design and reduces bill of materials (BOM) by minimizing external components required on the platform. By developing on Intel® Quark™ technology for edge devices, solutions providers can deploy compatible software throughout the solution to tie different pieces together.

The Intel® Quark™ microcontroller D1000, now available from Mouser Electronics, is optimized for applications that require long battery life, such as wearable sensors and RFID tags. This 32MHz, ultra-low power, 32-bit microcontroller contains 32kBytes of flash and 8kBytes of SRAM. Its comparators and analog-to-digital converters (ADCs) make it easy to connect to transducers and RF front ends, and the serial peripheral interfaces allow for seamless connection with popular sensors, radios, memories, DSPs and application processors.

The Intel® Quark™ microcontroller D2000 is an advanced version of the D1000, offering more I/O and providing ultra-low power, 32MHz, 32-bit x86 functionality. The D2000 features two PWM channels and an extended operating temperature range (-40 degrees Celsius to +85 degrees Celsius). The Intel® Quark™ SE microcontroller for IoT is a premier 32MHz, 32-bit x86 microcontroller that offers high-efficiency power consumption. It contains 384kBytes of flash and 80kBytes of SRAM, and embodies all of the features of the D2000, plus an always-listening sensor hub and pattern-matching technology. Both the D2000 and SE microcontrollers come with a full Intel x86 instruction set architecture for compatibility and scalability.

"Mouser is excited to offer the new Intel Quark processor for immediate shipping to our customers," said Russell Rasor, Mouser Electronics Vice President, Supplier Management, Advanced Technologies.

"We are pleased and proud to debut our new Intel Quark microcontrollers through Mouser Electronics," said Tanya Pelletier, senior product manager, Intel Quark Solutions Division at Intel. "We appreciate the personal attention Mouser's professionals afford both customers and manufacturers and are excited about getting this new product into the hands of design engineers."

To learn more about the Intel Quark microcontroller D1000, visit
http://www.mouser.com/new/Intel/intel-quark-d1000-mcu/.

To learn more about the Intel Quark microcontroller D2000, visit
http://www.mouser.com/new/Intel/intel-quark-d2000-mcu/.

To learn more about the Intel Quark microcontroller SE, visit
http://www.mouser.com/new/Intel/intel-quark-se-soc/.

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.

Trademarks

Intel and Quark are trademarks of Intel Corporation in the U.S. and/or other countries.

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
Vice President Technical 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