



New Product Announcement

New x86-Based Intel Quark Microcontroller and Developer Kit D2000 Now Available at Mouser

April 7, 2016 – [Mouser Electronics](#), Inc. is pleased to announce the availability of the new [Intel® Quark™ microcontroller](#), designed for [Internet of Things](#) (IoT) architectures and applications. The Intel Quark microcontroller D2000 is a [low-power](#), battery-operated, 32-bit microcontroller with a more robust instruction set than other entry-level microcontrollers. The device's technology extends intelligent computing to a new spectrum of data actuation applications and devices that require lower power consumption. The Intel Quark Microcontroller [Developer Kit D2000](#), announced at [Embedded World 2016](#) and now available to order from Mouser Electronics, is designed to help IoT developers navigate the complexities of IoT systems and speed time-to-market for new products and services.

The [Intel Quark microcontroller D2000](#), now available from Mouser Electronics, is optimized for applications that require long battery life, such as wearable [sensors](#) and [RFID](#) tags. The 32MHz, ultra-low power, 32-bit microcontroller contains 32kBytes of flash and 8kBytes of SRAM and boasts 25 general-purpose inputs and outputs (GPIOs). Its 19 analog comparators and 19 channels for analog-to-digital converters (ADCs) make it easy to connect to transducers and [radio frequency](#) (RF) front ends, and the serial peripheral interfaces allow for seamless connection with popular sensors, radios, memories, digital signal processors (DSPs), and application processors. The D2000 features two PWM channels, an extended operating temperature range (-40 degrees Celsius to +85 degrees Celsius), an operating range of 2.0 – 3.3 VDC, and comes with a full Intel x86 instruction set architecture for compatibility and scalability.

The Intel Quark microcontroller D2000 brings intelligence to the edge for real-world applications. It is interoperable with other Intel-based systems—simplifying integration of edge products in end-to-end IoT architectures. More can be handled at the device level, reducing the need for more costly and potentially unnecessary gateways, depending on the application. The Intel Quark microcontroller D2000 is ideal for smart tags and readers, sensor and device controllers, display controllers, and [motor controllers](#).

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 Developer Kit D2000, visit: <http://www.mouser.com/new/intel/intel-d2000-dev-platform/>.

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 22 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.

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