

## New Product Announcement

# Innovative, High-Performance Intel Joule Modules Shipping Now from Mouser

**December 13, 2016** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now shipping the highly-anticipated [Intel® Joule™ 550x and 570x](#) modules, high-performance devices capable of delivering human-like senses to a new generation of smart devices. Featuring high-end compute and graphics, with support for Intel [RealSense™](#) depth-sensing cameras, and multiple high-speed interfaces, the Intel Joule platform enables developers to build-out embedded systems or take prototypes to commercial products faster, while also minimizing development costs.

The [Intel Joule](#) compute modules are available from Mouser Electronics in two high-performance configurations. The Intel Joule 550x module features a 64-bit, 1.5 GHz quad-core Intel Atom™ processor T5500 with 3 GBytes of LPDDR4 RAM and 8 GBytes of eMMC memory. The higher-performance Intel Joule 570x module offers a 64-bit 1.7 GHz quad-core Intel Atom processor T5700 with burst up to 2.4 GHz plus 4 GBytes of LPDDR4 RAM and 16 GBytes of eMMC memory. Both modules support 4K video capture and display, 802.11ac Wi-Fi, [Bluetooth®](#) 4.1 connectivity, and a customizable Linux-based operating system designed for Internet of Things (IoT) and smart devices. The modules' interfaces include USB 3.0, I<sup>2</sup>C, UART, and multiple general-purpose inputs and outputs (GPIO).

The Intel Joule modules are supported by Intel's vast software and hardware ecosystem, which means engineers can choose the programming environment and take advantage of off-the-shelf libraries and peripherals to further accelerate development. The modules are ideal for computer vision, [robotics](#), drones, industrial [Internet of Things](#) (IoT), virtual reality, augmented reality, micro-servers and other applications that require high-end edge [computing](#).

Mouser is also stocking the [Intel Joule 550x developer kit](#) and [Intel Joule 570x developer kit](#), which include the corresponding Intel Joule module mounted on a compact expansion board. The board breaks out all of the interfaces of the Intel Joule module to easily accessible connectors like USB Type-A, USB Type-C, user-programmable LEDs, user-readable buttons, micro HDMI, and two 40-pin input and output (I/O) headers. Each kit also includes a heatsink, two Wi-Fi antennas, a USB cable, and a micro-SD card.

For more information on the Intel Joule modules, visit <http://www.mouser.com/new/Intel/intel-joule/>.

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 stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated many times 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 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 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 4 million products from more than 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://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.

Intel, Intel Joule, RealSense and Atom are trademarks of Intel Corporation in the U.S. and/or other countries.

– 30 –

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