

New Product Announcement

Cypress PSoC 6 BLE Pioneer Kit, Now at Mouser, Brings Low-Power, Flexible MCU to IoT Designs

October 24, 2017 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [PSoC® 6 BLE Pioneer Kit](#), which enables designers to begin innovating with the [PSoC 6 microcontroller](#) from [Cypress Semiconductor](#). PSoC BLE 6 is the industry's lowest power, most flexible microcontroller with built-in *Bluetooth®* Low Energy wireless connectivity and integrated hardware-based security in a single device for [Internet of Things](#) (IoT) applications.

The easy-to-use Cypress [PSoC 6 BLE Pioneer Kit](#) includes a 2.7-inch e-ink display shield, CapSense® linear slider, proximity sensors, and touch buttons for intuitive operation. The kit includes Arduino Uno-compatible headers, an onboard Bluetooth antenna, and an onboard programmer/debugger. The kit offers a complete power solution, integrating a Cypress EZ-PD™ CCG3 Type-C port controller with power delivery and support for rechargeable lithium-polymer batteries, as well as a super capacitor for backup power.

[Cypress' PSoC 6 microcontroller](#), available soon from Mouser Electronics, is built on a dual-core Arm® Cortex®-M4 and Cortex-M0+ architecture with 40nm process technology, optimized for power and performance. The device is bolstered by CapSense capacitive [touch](#) technology to support inventive next-generation user interfaces. Software-defined analog and digital peripherals allow engineers to create custom analog-front-end (AFE) functions. The microcontroller also offers multiple wired and wireless connectivity options like USB and Bluetooth 5, supporting internet- and cloud-based services. Prizing flexibility and innovation, the PSoC 6 microcontroller facilitates the next generation of IoT application development with the PSoC Creator™ integrated development environment (IDE) and numerous ecosystem partners.

To watch a webinar on using the PSoC 6 microcontroller to develop next-generation IoT applications, go to <http://mou.sr/2gR4qIM>.

To learn more about the Cypress Semiconductor PSoC 6 microcontroller, go to <https://www.mouser.com/new/Cypress-Semiconductor/cypress-psoc-6-soc/>. For more information about the PSoC 6 BLE Pioneer Kit, visit <https://www.mouser.com/new/Cypress-Semiconductor/cypress-psoc-6-cy8ckit-062-kit/>.

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 4 million products from over 600 manufacturers. Mouser offers 22 support locations around the world to provide best-in-class customer service and ships globally to over 550,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <https://www.mouser.com/>.

About Cypress

Cypress is the leader in advanced embedded system solutions for the world's most innovative automotive, industrial, home automation and appliances, consumer electronics and medical products. Cypress' programmable systems-on-chip, general-purpose microcontrollers, analog ICs, wireless and USB-based connectivity solutions and reliable, high-performance memories help engineers design differentiated products and get them to market first. Cypress is committed to providing customers with the best support and engineering resources on the planet enabling innovators and out-of-the-box thinkers to disrupt markets and create new product categories in record time.

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– 30 –

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