

New Product Announcement

DFRobot's Low-Power, High-Performance FireBeetle ESP32 IoT Microcontroller Now Available from Mouser

October 4, 2017 – [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 [FireBeetle ESP32 IoT Microcontroller](#) from [DFRobot](#). This cost-effective, [low-power](#) board, designed specifically for [Internet of Things](#) (IoT) applications, boasts a deep-sleep mode that draws just 10 μ A.

The [DFRobot FireBeetle ESP32 IoT Microcontroller](#), available from Mouser, is built around an Espressif Systems ESP32 microcontroller module with integrated Wi-Fi and dual-mode *Bluetooth*[®] connectivity. The high-performance module offers dual CPU cores: one to handle high-speed connections, and one for standalone application development. The microcontroller supports power supply by both [USB](#) and 3.7 V external lithium battery, and the battery can be charged directly by the USB and external DC, enabling projects that require minimal power consumption.

The ESP32 IOT Microcontroller is compatible with [FireBeetle covers and accessories](#) as well as DFRobot's [Gravity Series](#) modules. The microcontroller is also pin-compatible with Arduino Uno and supports the Arduino integrated development environment (IDE), MicroPython programming language, and Espressif IoT Development Framework (IDF).

To learn more, visit <http://www.mouser.com/new/dfrobot/dfrobot-firebeetle/>.

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

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About DFRobot

DFRobot is a world-leading robotics and open source hardware provider with a large community catering to future creators. The company creates innovative, user-friendly hardware and software products that become the building blocks in all kinds of electronic projects and fosters a strong community of learners around them.

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