

New Product Announcement

Mouser Delivers Low-Energy and Space Efficiency with Freescale's i.MX 6UltraLite Applications Processors

November 2, 2015 – [Mouser Electronics](http://www.mouser.com), Inc. is now stocking the [i.MX 6UltraLite applications processors](#) from [Freescale Semiconductor](http://www.freescale.com). Building upon its popular i.MX 6 series, Freescale's i.MX 6UltraLite delivers a high-performance, ultra-efficient application processor family that provides maximum performance in low-power, space-constrained embedded environments. Supported by discrete component power circuitry, the i.MX 6UltraLite processors feature an energy-efficient ARM® Cortex®-A7 core that operates at speeds up to 528 MHz, an integrated power management unit, multiple memory interfaces, a space-saving BGA package, and a wide range of other communication interfaces for connecting peripherals such as WLAN, Bluetooth®, GPS, displays and camera sensors.

The [Freescale i.MX 6UltraLite applications processors](#), available from Mouser Electronics, are based on an advanced power management architecture featuring multiple energy saving modes, dynamic voltage and frequency scaling and flexible power gating in low power modes through an integrated power switch. The processor family incorporates a highly power-efficient and cost-effective ARM Cortex-A7 core that operates at speeds up to 528 MHz. The core, combined with its hardware tamper detection and an integrated on-the-fly DRAM encryption/decryption engine, makes the i.MX 6UltraLite one of the most secure ARM Cortex-A7 microprocessor solutions available.

Freescale's family of i.MX 6UltraLite applications processors support a multitude of memory interfaces, including 16-bit LPDDR2, DDR3, DDR3L, raw and managed NAND flash, NOR flash, eMMC and Quad SPI. Additional communication interfaces on-chip include two high-speed USB On-The-Go with PHY ports, two 12-bit analog-to-digital converters (ADCs) with up to 10 total input channels, two CAN ports, two smart card interfaces compatible with EMV Standard v4.3, and a variety of other interfaces (such as UART, I²C, and I²S serial audio). The family also provides a healthy set of security features such as secure boot, hardware cryptographic cipher engines and random number generators, which enable hardware-verified peripheral and memory access requests for secure isolation and prevention of infected system resources.

As one of the smallest and most energy-efficient ARM Cortex A7-based processors on the market today, the i.MX 6UltraLite family is the perfect solution for a variety of [automotive](#), consumer, [industrial](#), [medical](#), and smart energy applications and markets where security, cost, sleek form factors and optimized power efficiency are vital. The family provides multiple compatible and scalable package options, and is supported by an evaluation kit ([841-MCIMX6UL-EVK](#)) also available to order through Mouser Electronics.

To learn more, visit <http://www.mouser.com/new/Freescale-Semiconductor/freescale-imx6-ultralite/>.

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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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