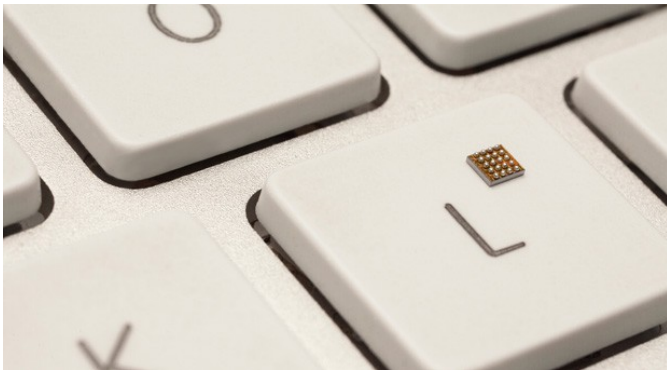


The Tiniest ARM Chip for the Internet of Things

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Freescale Semiconductor introduces a tiny chip to address the miniaturisation trend for the Internet of Things (IoT)-- the Kinetis KL02, the smallest ARM-powered microcontroller unit (MCU) in the world.



The KL02 measures all of 1.9 x 2.0mm and still is a full MCU, with 32k of flash memory, 4K RAM, 32-bit 48MHz ARM Cortex-M0+ processor and built-in autonomous peripherals (including a 12-bit analog-to-digital converter and a low-power UART) allowing device makers to build increasingly smaller boards for tiny devices.

“The Kinetis KL02 CSP MCU brings the best ARM and Freescale technologies to applications at the very edge of the IoT and opens up exciting possibilities for a new tier of ultra-small, smart, power-efficient devices,” Freescale claims.

Applications for such a chip include any number of mobile devices, as well as "smart" appliances and wearable electronics. The curious can check the chip out at Embedded World, Germany, before market availability from July 2013.

Go [Freescale Introduces Kinetis KL02](#)