

Spoločnosť Energy Micro®, poodhalila detaily pripravovanej rodiny procesorov - **EFM®32 Giant Gecko**

Hlavnou devízou tejto rodiny bude zväčšenie Flash pamäte až na 1 MB a pridanie USB konektivity.

Ako inak, opäť sa bude jednať o energeticky úsporné prevedenie.

Bude dostupný v rôznych variantách veľkosti FLASH pamäte (64, 128, 256, 512 a 1024 KB) a RAM (32KB alebo 128KB).

Nová rodina bude pinovo a softvérovo kompatibilná s existujúcou Gecko rodinou.

Bude oblečená v púzdrach QFN64, QFP100 a BGA112.

## Vlastnosti

- 48 EFM32GG microcontrollers
- 64, 128, 256, 512 or 1024 KB Flash memory blocks
- 32KB or 128KB RAM
- Pin and software compatibility with the existing Gecko product family
- Package options include QFN64, QFP100 and BGA112
- Built around the ARM Cortex-M3 processor architecture
- Energy usage a quarter of that of alternative 8-, 16- or 32-bit microcontrollers
- Wake-up time of just 2μs
- Current consumption of 180μA per MHz executing code from Flash, 900nA in deep sleep mode and 20nA in shut off mode
- Capable of extending typical battery life by 300%
- Embedded USB connectivity option will be USB2.0 compliant at full speed (12Mbit/s)
- Integrating 2KB endpoint buffers and handling up to 10 endpoints
- Support for USB host and on-the-go configurations as well as bootloader over USB
- Dual I2C and up to 5 USART/UART serial interfaces
- 8-channel, 12-bit ADC using 200μA at full resolution and 1Msamples/sec conversion rate
- 4×40 segment LCD controller using 900nA
- Low Energy UART consuming just 100nA at 9600baud
- 128/256-bit AES accelerator block for wireless encryption/decryption duties

## Cena

Vzorky budú dostupné v Q1 2011 , a cena bude začínať na 2.5 USD (@100k ks).

## Odkazy

Datasheety budú dostupné v 11.2010.

Viac informácií v PR na [www.energymicro.com](http://www.energymicro.com)

## Distribúcia

[viď. Adresár](#)