

Energy Micro predstavil vývojový kit, určený pre rodinu procesorov [EFM32 Gecko](#).

Dev kit. je zostavený ako AEM systém (Advanced Energy Monitoring). Vďaka veľkému zabudovanému (320×240) TFT displeju, a predkonfigurovanému GUI, systém umožňuje presné sledovanie spotreby energie aplikácie práve bežiackej na kite, a to priamo v reálnom čase.

25.03.2010: [Doplnená dostupnosť](#)



Vlastnosti

- Advanced Energy Monitor (AEM)
 - Precise measurement of current and voltage
 - 0.1 μ A to 50 mA measurement range
 - Onboard logging and display features
 - Always available by pushing a button
- Software
 - Comprehensive set of board support functions
 - 32 KB evaluation versions of:
 - KEILTM MDK-ARM Microcontroller Development Kit
 - IAR Embedded Workbench®
- User Interface
 - 320×240 TFT display
 - 16 User LEDs
 - 8 rocker style miniature DIP switches
 - 4 pushbutton switches
 - Miniature joystick
 - 1 system reset pushbutton switch
 - Potmeter
- Analog Features
 - Ambient light sensor / Photo resistor
 - 3 axis accelerometer
 - Line-in / Line-out analog interface
- Communication
 - 2 RS232 serial ports
 - I2C interface
 - Infrared transceiver
- Debugging
 - Onboard SEGGER J-Link USB emulator
 - ARM 20 pin JTAG/SWD standard Debug in/out connector
- Memory
 - 4 Mbit fast access SRAM
 - 32 Mbit NOR flash
 - 2 kbit I2C bus EEPROM
 - 16 Mbit SPI Flash
- Power
 - Two separate power domains allowing for accurate current and voltage measurements of the application energy consumption.
 - External 5 V supply
 - 5 V / 500 mA USB supply
- Prototype Board
 - All EFM32 GPIO pins available
 - 3 power domains; 5 V unregulated, AEM measured VDDm and unmeasured VDD
 - User LEDs
 - MCU Board
 - LCD (EFM32-G8XX-DK only)
 - 32.768 kHz crystal
 - 32 MHz crystal
 - LEDs indicating power and reset
- Setup Control
 - FPGA controlling switches and connections
 - I2C EEPROM for identification of prototype- and MCUboards

Prezentačné video

Cena, dostupnosť

Development kit je ocenený na 299,- USD

25.03.2010: Kit je už dostupný aj u [Farnella](#), za 293,74 Eur

Codico opäť nereagovalo na žiadosť o ceny a dostupnosť.....

Odkazy

[Datasheet](#)

Distribúcia

[vid'. Adresár](#) *vstup iba pre registrovaných členov

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