



DESIGNERS' NEWS

| Tools | Analog | MCU/MPU | PLD | Events |

Dear Mrs. Kurth,

The starter kits from IAR and Keil are complete hardware and software solutions for developing applications for the **STM32F103RB** ARM Cortex-M3 microcontroller from STMicroelectronics.

Both kits are available with **50% price discount** from Silica until 31st March 2010:

STMSTM3210BSKIAR - Special price: € 86,- (instead of regular € 172,-)
STMSTM3210BSKKEIL - Special price: € 65,- (instead of regular € 130,-)

Contact your local [Silica sales office](#) to place an order or click [here](#) for more details.

Kind regards,
Your Silica Team

Tools

[Texas Instruments: eZ430-RF2500-SEH - MSP430 Solar Energy Harvesting Tool](#)

The eZ430-RF2500-SEH is a complete Solar Energy Harvesting development kit to help create a perpetually powered wireless sensor network based on the ultra-low-power MSP430 microcontroller. It is a complete USB-based MSP430 wireless development tool and provides all the hardware and software necessary to use the MSP430F2274 microcontroller and CC2500 2.4 GHz wireless transceiver.

Win a free Tool!

[Register](#) to win one of a limited number of eZ430-RF2500-SEH kits worth \$ 149,-.

[STMicroelectronics: iNEMO™: iNertial MOdule Demo Board based on MEMS & STM32](#)

The STEVAL-MKI062V1 (iNEMO™) is a unique platform designed to demonstrate the performance of ST's most advanced inertial, temperature and pressure sensors. It provides a complete set of inertial measurements from an accelerometer, magnetometer and gyroscopes, as well as data from pressure and temperature sensors to measure environmental conditions in a variety of applications including virtual reality, augmented reality, platform stabilization, human-machine interfaces and robotics.

Analog

[NXP: ADC1413Dxxx - Dual 14-Bits ADC with JESD204A Interface](#)

The ADC1413D is a dual channel 14-bit Analog-to-Digital Converter (ADC) optimized for high dynamic performances and low power at sample rates up to 125 Msps. Pipelined architecture and output error correction ensure the ADC1413D is accurate enough to guarantee zero missing codes over the entire operating range.

[Texas Instruments: DAC8718 - Octal Low power 16-bit +/-15 V Output Serial Input DAC](#)

The eight-channel DAC87x8 family features a typical power consumption in normal mode of 14.8 mW/channel, dropping to <170 uW/channel in power-down mode. An internal 4x or 6x programmable gain provides a bipolar ±16 V or unipolar 0 V to 33 V output range across eight channels. This eliminates the need for an external amplifier, saving cost and reducing board space by nearly 24 % over competitive devices in automated test equipment, instrumentation, programmable logic controllers, and machine and motion control applications.

MCU/MPU

[Analog Devices: New Blackfin BF50x Processors break Price/Performance Barriers](#)

Analog Devices released the latest entries in its Blackfin family of processors for converged digital signal and control processing applications – the Blackfin BF50x series. Delivering up to 100% greater performance than competing, comparably priced processors with integrated analog-to-digital converters (ADC) and flash memory, BF50x series processors enable designers to achieve significant gains in signal conversion and computational precision.



[Freescale: MC9S08SF4 - 8-Bit MCU brings High Performance for Simple Motor Control](#)

Freescale introduced a new powerful 8-bit MCU family. The MC9S08SF4 family is optimized to provide precise, quiet and safe control for simple motor control applications. An integrated, advanced set of features, including six timers and up to 18 general purpose input/output (GPIO) pins, provides highly accurate control and helps simplify overall system design.

Programmable Logic

[Silica: X-fest Review - Latest Xilinx Boards](#)

Watch a brief [video introduction](#) to the newest Avnet/Xilinx Development Boards that were presented during Silica's X-fest seminar series (in german, 3:41 min.).

[Xilinx: XC6VLX760 - Industry's Biggest, Highest Performance FPGA](#)

Xilinx announced the first shipments and availability of its Virtex®-6 LX760 device. As the industry's largest FPGA available for delivery with immediate design tool support, the Virtex-6 LX760 device enables customers who need raw logic density and industry-leading I/O performance to get started on their projects today using the Xilinx ISE® Design Suite 11.4.

Events

■ [Microsoft: Windows Embedded Seminar, Feb. 8th, Berlin \(Germany\)](#)

■ [Texas Instruments: Analog Seminar, Feb. 11th, Herne \(Germany\)](#)

■ [Texas Instruments: Stellaris M3 One-Day Workshop, Feb. 18th, Reading \(UK\)](#)

■ [Digital Power Supply Design Workshop, 23rd - 26th Feb., Berkshire \(UK\)](#)

Attend this 4-day hands-on digital power training course aimed at analog PSU designers and/or embedded systems engineers! Click [here](#) for a workshop overview from Dr. Ali Shirsavar (1:20 min.)



> More Information

[SILICA's complete seminar overview](#)

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