

Q2 2009

## Quarterly Spotlight

### [Special Offer: Save \\$500 on Embedded Kit and IP Bundles](#)

Get \$500 off when you purchase a [Nios® II Embedded Evaluation Kit](#) or [Embedded Systems Development Kit](#) at the same time as the [Embedded IP Suite](#) (Nios II processor core, DDR/DDR2 controllers, network stack, and TSE MAC). This offer is not available online, so contact your local [distributor](#) or call 1-888-800-0631 to take advantage of the savings.

## Embedded Software & Tools

### [ARM Cortex-M1 Evaluation Now Available for Download](#)

The embedded world is all abuzz with ARM's latest Cortex® M0, M1, and M3 offerings for low-cost, low-power, and portable applications. The ARM® Cortex-M1, in particular, is specifically optimized for FPGAs and is fully compatible with the M0 and M3 instruction set. Download a [free evaluation version of the ARM Cortex-M1](#) today from Arrow.

### [New Industrial Reference Platform with Intel Atom Processor and Altera Arria® FPGA](#)

Learn how to develop FPGA hardware in conjunction with a x86 CPU platform. MSC/GE-Research's Industrial Reference Platform, which includes technology from Intel and Altera, is a highly scalable and reconfigurable proof-of-concept platform for low-power, high-performance industrial automation applications.

### [Interested in DO-254 Certification?](#)

Altera has a DO-254 certifiable version of the Nios II processor that is available through our partner HCELL Engineering. The NIOS II\_SC package was developed to meet DO-254 design assurance levels and also comply with a safety analysis in accordance with Appendix B of the DO-254 certification. [Learn more about Altera's DO-254 solutions.](#)

## Design Download Center

### [Download the Latest Design for the Nios II Embedded Evaluation Kit \(NEEK\)](#)

Jam to your collection of MP3s on the NEEK. Load this new touch-screen MP3 player design, fill your card, and play MP3s right on your NEEK. Hardware and software sources are included.

## Literature & Technical Resources

### [Application Note: Debugging Nios II Software Using the Lauterbach Debugger \(PDF\)](#)

Learn how to debug your Nios II application with the Lauterbach TRACE32 Logic Development System. This set of hardware and software tools provides a powerful mix of features for diagnosing and solving some of the toughest embedded development problems. Download this application note today to see how it's done.

## Webcasts & Training

### [Raise Your Productivity and Enhance Your Skills Through Training](#)

[www.altera.com](http://www.altera.com)

Special Offer on Embedded Kit and IP Bundles



Evaluate ARM Cortex-M1 Core



Learn About Altera's DO-254 Solutions



Embedded Systems Lab

Quartus II Software,  
SOPC Builder,  
Nios II Embedded  
Design Suite

## **Courses**

Altera offers an array of instructor-led training classes in locations around the U.S. Classes specific for embedded design include:

- Designing with the Nios II Processor and SOPC Builder
- Developing Software for the Nios II Processor

## **Are You New to FPGAs in the Embedded Space? Get the Embedded Systems Lab**

Become a system architect by creating an entire Nios II processor-based system in just three hours or less. This lab is a great tool if you are new to developing embedded systems on FPGAs, and explains not only the "how's" but also the "why's". The lab targets DE1 hardware, but you don't need the hardware to build the lab, only to test it.

---

To ensure that you receive future issues of the Embedded newsletter, please add [announcements@altera.com](mailto:announcements@altera.com) to your address book.



As a subscriber to the Embedded newsletter, you will receive a monthly email newsletter. To unsubscribe from this newsletter or subscribe to additional Altera email updates and newsletters, please visit our [Email Subscription Center](#).

Altera email communications include:

- Product Announcements & Updates
- Code:DSP newsletter
- Inside Edge newsletter
- Webcast & Video newsletter

Copyright © 1995-2009 Altera Corporation, 101 Innovation Drive, San Jose, California 95134, USA  
ALTERA, ARRIA, CYCLONE, HARDCOPY, MAX, MEGACORE, NIOS, QUARTUS & STRATIX are Reg. U.S. Pat. & Tm. Off. and Altera marks in and outside the U.S.