

December 2009

www.altera.com

Monthly Spotlight

[Quickly Prototype with Stratix IV GX Audio Video Dev Kit](#)

Altera's Stratix[®] IV GX Audio Video development kit provides a complete "ready-to-go" prototyping platform for professional video processing applications. It includes a portfolio of video reference designs such as the VIP suite and SDI-PCIe video transport bridge for transport streaming.



FPGAs, CPLDs & ASICs

[Arria II GX Production-Qualified Devices Now Shipping](#)

Production-qualified Arria[®] II GX EP2AGX65 devices are now shipping! Learn more about the third 40-nm family Altera has taken to production.

Software, Intellectual Property & Development Kits

[Faster Build Times with New Nios II Software Build Tools for Eclipse](#)

Get the latest release of the Nios[®] II EDS, featuring new tools with faster software build times, ease of use, and fine control over build options.

[The Nios II/e Core is Now Free](#)

Designed to use the fewest FPGA logic and memory resources of the Nios II processor family, the Nios II/e core is free in Quartus[®] II Software v9.1.

[Video: 5 Steps to Build an Embedded Processor System in an FPGA](#)

You may know about the cost and performance advantages of designing systems on a programmable chip. See how easy it is to do?

Technology & End Markets

[White Paper: High-Definition Video Deinterlacing Using FPGAs](#)

Discover how video design methodology lets you explore hardware tradeoffs when implementing different deinterlacing algorithms.

[White Paper: Optical Transport Networks for 100G Implementation](#)

See how optical networks provide higher capacity and reduce costs for applications that demand high bandwidth and advanced digital services.

Support & Literature

[White Paper: Taking Advantage of FPGA Floating-Point IP Cores](#)

Learn how new design tools and IP provide a reduction in computational resources and ease your implementation of a floating-point datapath.

[Quartus II Help Now Available on Altera.com](#)

Quartus II Help, which includes step-by-step procedures and UI details, is now accessible both from the Quartus II installation and online.

[From Altera Forum: FFT ModelSim Stand-Alone Simulation](#)

Forum user jfredleelum wants to simulate FFT MegaCore[®] using ModelSim[®]. Read comments and post your advice today!

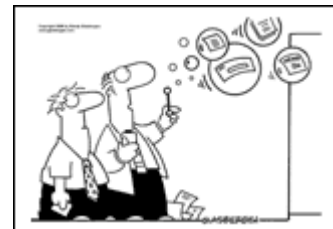
QUARTUS[®] II

Buy Quartus[®] II Software
by December 31, 2009

Save \$500

New Nios[®] II
Software Build
Tools for Eclipse

► Learn More



[Click to enlarge](#)

Events & Training

[Webinar: Stratix-Based Algorithmic Acceleration and Prototyping](#)

This webcast discusses new use modes for Altera's high-end Stratix IV FPGAs built into Synopsys' high-performance rapid prototyping solutions.

[New Online Training: Cyclone IV FPGAs: Features and Capabilities](#)

Learn about the new technology solutions offered by Cyclone® IV FPGAs. This technical training will give you an overview of the key features.

Altera In the News

[FPGA architectural power-saving techniques at 40 nm, EDN.com](#)

EO/IR systems face the challenge of heavy real-time processing under a tight power budget. FPGAs provide a solution for those needs.

[FPGA platform enables multiple Ethernet protocol designs, Industrial Control Designline](#)

Today's broadcast equipment must be capable of handling all types of video formats and resolutions. See how FPGAs can provide an advantage.

[CMOS Image Sensor Processing with FPGAs, Video/Imaging DesignWire](#)

CMOS sensors are becoming the defacto standard in digital image capture. Learn about common functions implemented in sensor processing pipeline.

Most Popular News from Last Issue

[Lower Your Total System Costs with New Cyclone IV FPGAs](#)

Altera's new Cyclone IV FPGA family extends the Cyclone FPGA series leadership providing the market's lowest cost, lowest power FPGAs, now with a transceiver variant. The Cyclone IV FPGA family enables you to meet increasing bandwidth requirements while lowering costs.

To ensure that you receive future issues of the Inside Edge eNewsletter, please add announcements@altera.com to your address book.

As a subscriber to the Inside Edge, 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](#).

[Subscribe](#) to other Altera email communications:

- Product Announcements & Updates
- Inside Edge newsletter
- Embedded newsletter
- Webcast & Video newsletter

