

May 2007: Altera's monthly net seminar e-newsletter provides schedules and descriptions of upcoming and recently broadcast Altera® online seminars.



[Implement PCIe, GbE & SRIO with Altera's New Low-Cost FPGAs](#) Free

Duration: 15 minutes
View Now, On Demand!

This 15-minute QuickCast provides an overview of Arria™ GX devices, Altera's newest FPGA family with transceivers. Arria GX FPGAs support three protocols: PCI Express, Gigabit Ethernet, and Serial RapidIO, giving you a low-cost coprocessing option for your next design.

The net seminar discusses how Arria GX FPGAs' signal integrity, support and software compare to other offerings in the industry and how Altera's success with transceivers translates to a low-risk design for you. You'll hit the ground running and get your design out the door fast when you choose Arria GX FPGAs!

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[Learn to Design with Stratix III FPGAs' Programmable Power Technology and Selectable Core Voltage](#) Free

Duration: 45 minutes
View Now, On Demand!

Today's systems demand more performance, higher integration, and customization capabilities, but most systems cannot afford an increase in power budget. Learn how Altera developed a high-end 65-nm FPGA that met system designers' needs to increase performance and logic capacity, while reducing power. You'll learn to use Altera's unique technologies that help reduce power consumption in your designs.

This net seminar includes an in-depth look at some of Altera's power optimization tools and techniques such as: Programmable Power Technology, selectable core voltage, power-optimized memory interfaces and the Quartus® II software PowerPlay power optimization.

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"Altera's performance improvements have been amazing as discussed in the [Using Stratix III FPGAs to Achieve Higher Performance Systems with Lower Power](#) net seminar. We are hoping to incorporate these features in future products."

- Scott Olsen,
Engineer, TechniScan
Inc.





[How Fast is the Fastest FPGA? Stratix III Performance Capabilities](#) **Free**

Duration: 60 minutes
View Now, On Demand!

Knowing your FPGA's performance is important in understanding the performance of your system. Stratix® III FPGAs deliver the industry's highest performance with a 600-MHz core and high-performance DSP and internal memory capabilities. Stratix III FPGAs include optimized I/O interfaces with LVDS at 1.25 Gbps, and they are the only FPGAs that support DDR3 SDRAM memory interfaces at 400 MHz.

This net seminar discusses the 65-nm Stratix III fabric and I/O architecture, as well as the award-winning Quartus® II software. Additionally, this net seminar highlights the relative performance of the competing Virtex-5 FPGAs and the benchmarking methodology used in obtaining these results.

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[Future Proof with Triple-Rate SDI](#) **Free**

Duration: 10 minutes
View Now, On Demand!

1080p is referred to as full HD video. This is the highest level of resolution the standards enable and is free of the complexity and motion errors associated with interlace formats. Yet, the vast majority of studios recording in HD today do so in 720p or 1080i formats due to the lack of technology and equipment to support 1080p. Altera enables a low-risk upgrade to 1080p now by offering triple-rate SDI solutions with support for SDI/HD-SDI/3G SDI.

This net seminar discusses how you can get to market quickly by leveraging Altera's complete triple-rate SDI solutions: FPGAs supporting up to 20 SDI channels, IP, and development kits. You will also learn how to use Cyclone® III FPGAs in conjunction with external ASSPs to enable low-channel count 3G SDI solutions.

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Congratulations





Sanjay Rai of Shivam Technologies was presented with a **Toshiba Gigabeat Portable Media Player** (US\$350) who won simply by attending Altera's net seminar, [Using MAX® II to Customize Consumer Electronic Products.](#)

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