

Nitero Achieves First-Pass Silicon Success for Industry's First Mobile 60GHz SoC Using Synopsys DesignWare IP for PCI Express and Tools

High-Quality DesignWare IP, Verification IP and Galaxy Design Platform Tools Deliver Lower Power, Smaller Area and Faster Time-to-Market for Wi-Fi Networking SoC

MOUNTAIN VIEW, Calif., Nov. 11, 2014 /PRNewswire/ --

Highlights:

- Nitero achieved first-pass silicon success for industry's first 60GHz Wi-Fi SoC using Synopsys DesignWare IP for PCI Express technology, Verification IP and Design Compiler and PrimeTime design tools
- Gained competitive advantage with low-power, silicon-proven PCI Express IP
- Met aggressive tapeout schedule and solidified first-mover advantage

Synopsys, Inc. (Nasdaq:SNPS), a global leader providing software, IP and services used to accelerate innovation in chips and electronic systems, today announced that Nitero achieved first-pass silicon success for its NT4600, the industry's first 60GHz Wi-Fi system-on-chip (SoC) built for low-power mobile applications, using Synopsys' DesignWare® IP, Verification IP and the Galaxy™ Design Platform. Nitero integrated the [PCI Express® 2.0 Controller](#) IP in less than one month, gaining a head start over its competition in the fast-moving mobile industry. Nitero selected Synopsys because of its high-quality, small area and low-power IP, as well as for its industry-leading design tools. These tools include the [Design Compiler®](#) RTL synthesis solution with power optimization and [PrimeTime®](#) timing and power analysis tool, two key components of the Galaxy Design Platform.

"Developing a low-power mobile SoC that incorporates both analog/mixed-signal IP and RF technology was challenging, so we needed IP and tools that were proven to work the first time," said Sebastian Ahmed, vice president of engineering, Nitero. "After evaluating several vendors, we selected Synopsys DesignWare IP, Verification IP and Galaxy Design Platform as it provided a seamless, end-to-end design experience, helping us meet our aggressive tapeout schedule and achieve first-silicon success."

"Designers rely on Synopsys to provide high-quality IP and tools that will help them mitigate risk and deliver successful products to the market on schedule," said John Koeter, vice president of marketing for IP and prototyping at Synopsys. "As a leading provider of tools and IP, with more than 1,000 PCI Express design wins, Synopsys enables companies like Nitero to gain a competitive edge and focus engineering resources on differentiating portions of its designs."

Availability

The DesignWare Controller IP for PCI Express technology is silicon-proven and available now. Synopsys Verification IP, Design Compiler and PrimeTime are available now.

About DesignWare IP

Synopsys is a leading provider of high-quality, silicon-proven IP solutions for SoC designs. The broad DesignWare IP portfolio includes complete interface IP solutions consisting of controller, PHY and next-generation verification IP, analog IP, embedded memories, logic libraries, processor solutions and subsystems. To accelerate prototyping, software development and integration of IP into SoCs, Synopsys' IP Accelerated initiative offers IP prototyping kits, IP software development kits and customized IP subsystems for rapid integration of IP into SoCs. Synopsys' extensive investment in IP quality, comprehensive technical support and robust IP development methodology enables designers to reduce integration risk and accelerate time-to-market. For more information on DesignWare IP, visit <http://www.synopsys.com/designware>.

About Synopsys

Synopsys, Inc. (Nasdaq:SNPS) accelerates innovation in the global electronics market. As a leader in electronic design automation (EDA) and semiconductor IP, Synopsys delivers software, IP and services to help engineers address their design, verification, system and manufacturing challenges. Since 1986, engineers around the world have been using Synopsys technology to design and create billions of chips and systems. Learn more at <http://www.synopsys.com>.

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