

# Synopsys and Broadcom Expand Collaboration to Deploy ARC Processors in Multimedia and Networking Solutions

New Licensing Agreement Builds on Successful Use of ARC IP Cores in Broadcom's High-Volume Home Video Products

MOUNTAIN VIEW, Calif., May 14, 2015 /PRNewswire/ -- Synopsys, Inc. (Nasdaq:SNPS), today announced that Broadcom Corporation (Nasdaq: BRCM) extended its license agreement providing access to Synopsys' [DesignWare® ARC® Processors](#) for an expanded range of advanced multimedia and networking system-on-chip (SoC) designs. Broadcom standardized on ARC processors to deliver advanced video compression capabilities in its SoCs for high-volume consumer devices. Deploying optimized video compression technology is increasingly important to conserve network bandwidth as global service providers stream high definition (HD) and ultra HD video content to a broader range of devices.

"We have been a longstanding and successful user of ARC processors in our multimedia products," said Daniel Marotta, executive vice president and general manager, Broadband & Connectivity Group at Broadcom Corporation. "The new agreement enables us to take advantage of the ARC processors' power-performance efficiency in a wider range of products to deliver more differentiated solutions to our customers."

Synopsys' DesignWare ARC Processor portfolio consists of configurable 32-bit RISC processors that are optimized to meet the performance, power and area requirements of a wide range of embedded applications, from ultra-low power internet-of-things (IoT) to embedded Linux. The highly configurable ARC processor cores allow designers to implement only the logic required to meet the specific performance requirements for each processor instance in an SoC, enabling significant power and area savings. The ARC processors' extensible instruction set lets users define their own custom instructions to dramatically improve application-specific performance while reducing power consumption and code size. All ARC processors are synthesizable, can be implemented in any foundry or process and are supported by a complete and integrated development tool suite, including commercial and open-source tools for design, simulation and software development. In addition, the [embARC Open Software Platform](#) gives ARC software developers online access to a comprehensive suite of free and open-source software that eases the development of code for the IoT and other embedded applications.

"Synopsys enables leading companies like Broadcom to meet the demanding performance and power requirements of their next-generation designs with highly-efficient processors that can be tailored for their specific applications," said John Koeter, vice president of marketing for IP and prototyping at Synopsys. "The expanded collaboration with Broadcom is a testament to the robustness and quality of Synopsys' ARC processors, and enables them to focus on their product differentiation, while accelerating time to market."

## About DesignWare IP

Synopsys is a leading provider of high-quality, silicon-proven IP solutions for SoC designs. The broad DesignWare IP portfolio includes logic libraries, embedded memories, embedded test, analog IP, complete interface IP solutions consisting of controller, PHY and next-generation verification IP, embedded processors and subsystems. To accelerate prototyping, software development and integration of IP into SoCs, Synopsys' Accelerated initiative offers IP prototyping kits, IP software development kits and IP subsystems. 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) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15<sup>th</sup> largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP, and is also a leader in software quality and security testing with its Coverity® solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at [www.synopsys.com](http://www.synopsys.com).

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