

Synopsys and Ixia, a Keysight Business, Announce Collaboration to Enable Scalable Networking SoC Validation Solution

Synopsys ZeBu Virtual Tester Solution with Ixia IxVerify Enables Scalable, Flexible, and Accurate Validation of Complex Networking SoCs

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Highlights:

- Collaboration enables shift from in-circuit system validation to scalable, flexible, and accurate virtual system validation
- Synopsys ZeBu Virtual Tester Solution offers unmatched, full-featured integration between ZeBu emulation system and Ixia's IxVerify virtual network tester
- Solution delivers complete validation continuity from pre-silicon to post-silicon, reducing project schedules by months

Synopsys, Inc. (Nasdaq: SNPS) and Ixia, a **Keysight Technologies, Inc.** (NYSE: KEYS) business, today announced a multi-year, strategic collaboration to enable a paradigm shift for system validation of complex networking system-on-chips (SoCs) using emulation and a virtual tester. The new paradigm is a faster, more effective alternative to traditional in-circuit emulation, which no longer scales for the port density and software complexity of next-generation networking SoCs, with the use of an emulation system connected to a true virtual tester solution. Synopsys has released its ZeBu[®] Virtual Network Tester Solution, which integrates Synopsys' ZeBu emulation system with Ixia's IxVerify virtual network tester. Together, these solutions enable validation continuity that spans pre- and post-silicon use providing a full-featured protocol testing solution to reduce overall project schedules, thus shifting-left traditional post-silicon use cases to the pre-silicon domain. Networking semiconductor companies can now accelerate their pre-silicon and post-silicon system validation for complex networking SoCs that feature hundreds of ports and 24+ terabit per second throughput.

"Our goal is to support networking equipment and semiconductor customers through their product design and validation cycle as early as possible," said Scott Westlake, vice president of alliances at Keysight's Ixia Solutions Group. "We are pleased to work with Synopsys, an emulation partner committed to developing deep, feature-rich integration with our virtual testing technology that helps achieve that goal and faster time-to-market for advanced networking products."

"Our ZeBu emulation platform has been used by many industry-leading companies to accelerate software bring-up for complex SoCs in the pre-silicon stage," said Susheel Tadikonda, vice president, Solutions Engineering in the Synopsys Verification Group. "By collaborating closely with Ixia, we are extending our solutions to meet the specific needs of networking companies through the addition of virtual tester solutions for pre-silicon SoC validation that deliver feature-rich pre- to post-silicon validation continuity."

Synopsys and Ixia are hosting a technical webinar on July 24th explaining the solutions. To learn more, please register [here](#).

Availability

The ZeBu Virtual Tester Solution is available today. For more information please visit:

<https://www.synopsys.com/verification/solutions/networking.html>

IxVerify is available today. For more information please visit: <https://www.ixiacom.com/products/ixverify>

About Keysight Technologies

Keysight Technologies, Inc. (NYSE: KEYS) is a leading technology company that helps enterprises, service providers and governments accelerate innovation to connect and secure the world. Keysight's solutions optimize networks and bring electronic products to market faster and at a lower cost with offerings from design simulation, to prototype validation, to manufacturing test, to optimization in networks and cloud environments. Customers span the worldwide communications ecosystem, aerospace and defense, automotive, energy, semiconductor and general electronics end markets. Keysight generated revenues of \$3.9B in fiscal year 2018. More information is available at www.keysight.com.

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 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP, and is also growing its leadership in software security and quality solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest security and quality, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

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