Synopsys and Realtek Collaborate to Provide Interoperable IP Solution for Certified Wireless USB Technology

Companies Lead Industry With Hardware and Software Interoperability Testing

Synopsys, Inc. (NASDAQ: SNPS), a world leader in semiconductor design software, and Realtek Semiconductor Corp. (TSE: 2379), one of the world's largest IC design houses, today announced that the two companies are working together to conduct interoperability testing using Synopsys' DesignWare® Cores Wireless Universal Serial Bus (WiUSB) device controller IP, based on Certified Wireless USB specification from the USB Implementers Forum (USB-IF), and Realtek's single-chip WiMedia™ Ultra-wideband (UWB) physical layer (PHY). Interoperability testing between the two products reduces risk and speeds time to market for the growing number of system OEMs who want to integrate Certified Wireless USB into their next-generation system-on-chip (SoC) designs.

"We selected Synopsys as a strategic partner for Certified Wireless USB development because of their leadership position in wired USB," said Ran Yan, senior vice president, Wireless Communications Technologies at Realtek. "Interoperability testing the Realtek WiMedia PHY with the Synopsys WiUSB device controller helps ensure our products work seamlessly in our customers' designs and enables accelerated development of complete Certified Wireless USB solutions."

"Achieving interoperability in silicon is a vital step towards lowering risk and ensuring chip success for our customers," said Guri Stark, vice president of Marketing, Synopsys' Solutions Group. "Our collaboration with Realtek demonstrates that designers will be able to integrate high quality, Wireless USB IP into their next generation products."

Availability

The Synopsys DesignWare Core WiUSB device controller is available now for early adopters. General availability is expected in early 2006. The Realtek single-chip PHY is expected to be available in Q4 2005.

About Synopsys DesignWare Cores

Synopsys DesignWare Cores provide system designers with silicon-proven, digital and mixed-signal connectivity IP for some of the world's most recognized products, including communications processors, routers, switches, game consoles, digital cameras, computers and computer peripherals. Provided as synthesizable RTL source code or in GDSII format, these cores enable designers to create innovative, cost-effective systems-on-chips and embedded systems. Synopsys provides flexible licensing options for the DesignWare Cores. Each core can be licensed individually, on a fee-per-project basis or users can opt for the Volume Purchase Agreement, which enables them to license all the cores in one simple agreement. For more information on DesignWare IP, visit: www.synopsys.com/designware

About Realtek Ultra-wideband PHYs

Realtek's Ultra-wideband PHY integrates a radio and baseband processor in a single all-CMOS package. The baseband processor is compliant with WiMedia physical layer specification 1.1, including all functions necessary for Wireless USB certification, and includes a full suite of WiMedia data rates, to 480 Mbps. With a WiMedia-compliant MAC-PHY interface, this enables integration in a complete Certified Wireless USB solution. The integrated all-CMOS design minimizes power consumption and is suitable for use with all form factors.

About Realtek

Realtek Semiconductor Corp., one of the world's leading IC providers, designs and develops a wide range of IC products for communications network, computer peripheral and multimedia applications. The products include 10/100/1000M Ethernet Controllers, 10/100/1000M Ethernet Switch/Gateway Controllers, 10/100/1000M Ethernet PHYceivers, Wireless LAN Controllers and AP/Router SoC, ADSL Chips, VoIP Solutions, AC'97/High Definition Audio Codecs, Motherboard Clock Generators, LCD Monitor Controllers, and LCD TV Controllers. With advanced design expertise in RF, analog and mixed-signal circuits, and strong manufacturing and system knowledge, Realtek offers full-featured, high-performance, and competitive total solutions for customers. For more information on Realtek, visit: www.realtek.com.tw

About Synopsys

Synopsys, Inc. is a world leader in EDA software for semiconductor design. The company delivers technology-leading semiconductor design and verification platforms and IC manufacturing software products to the global electronics market, enabling the development and production of complex systems-on-chips (SoCs). Synopsys also provides intellectual property and design services to simplify the design process and accelerate time-to-market for its customers. Synopsys is headquartered

in Mountain View, California and has offices in more than 60 locations throughout North America, Europe, Japan and Asia. Visit Synopsys online at www.synopsys.com

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