



Avago Technologies First to 28-Gbps Performance with 40-nm SerDes

November 2, 2010

Leadership in Multi-Gigabit Embedded SerDes IP Enabling Faster ASICs for Bandwidth-Hungry Networking, Computing and Storage Applications

SAN JOSE, Calif. & SINGAPORE, Nov 02, 2010 (BUSINESS WIRE) -- Avago Technologies (Nasdaq:[AVGO](#)), a leading supplier of analog interface components for communications, industrial and consumer applications, today announced that it has demonstrated 28-Gbps Serializer/Deserializer (SerDes) performance in 40-nm CMOS process technology. The milestone equates to higher bandwidth Application-Specific Integrated Circuits (ASICs) that integrate the SerDes Intellectual Property (IP), increasing the speed of data communication for servers, routers and other networking, computing and storage applications.

"Avago has an established track record of setting new performance benchmarks for embedded SerDes IP, which is closely connected to our unmatched execution in delivering first-time-right silicon," said Frank Ostojic, vice president and general manager of the ASIC Products Division at Avago. "We are already working with key customers on products that will bring this 28-Gbps performance breakthrough to the wired communications market."

Avago SerDes cores can be easily integrated due to their modular, multirate architecture. Avago is able to integrate more than 200 SerDes channels or over 190 million gates on a single ASIC, with FET counts in excess of 4 billion. The SerDes cores offer unique decision feedback equalization (DFE), resulting in lower overall power usage. Additional key differentiators include best-in-class data latency, noise immunity, jitter, and crosstalk performance.

With over 95 million SerDes channels shipped, Avago has an established history of delivering reliable, high-performance ASICs. Three decades of design experience, state-of-the-art hierarchical design methodology, and an IP portfolio covering multiple standards, form the company's foundation for supplying complex ASICs to the wired communications market. The broad Avago SerDes portfolio supports the PCI Express, Fibre Channel, XAUI, CEI-11G, 10GBASE-KR, and SFI standards, providing the flexibility to address optical, copper, and backplane applications.

About Avago Technologies

Avago Technologies is a leading supplier of analog interface components for communications, industrial and consumer applications. By leveraging its core competencies in III-V compound and silicon semiconductor design and processing, the company provides an extensive range of analog, mixed signal and optoelectronics components and subsystems to approximately 40,000 end customers. Backed by strong customer service support, the company's products serve four diverse end markets: wireless communications, wired infrastructure, industrial and automotive electronics, and consumer and computing peripherals. Avago has a global employee presence and heritage of technical innovation dating back nearly 50 years to its Hewlett-Packard roots. Information about Avago is available on the Web at <http://www.avagotech.com>.

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NOTE TO EDITORS: Please direct reader inquiries to Avago Technologies at +1 800 235 0312, or e-mail us at support@avagotech.com.

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Avago Technologies

Samer Bahou, +1-408-435-7400

Press Relations Manager

press.relations@avagotech.com