Avago Technologies Collaborates with IBM on High Bandwidth Optical Interconnect Breakthrough for Supercomputers

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Miniature Low Cost Transmitter and Receiver Provide Up to 120 Gbps Aggregate Bandwidth and Superior Signal Integrity

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Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for communications, industrial and consumer applications, today introduced the fastest, most energy-efficient embedded interconnect technology of its kind, an embedded fiber optic solution that could eventually replace copper as the optimal solution for handling high-speed data rate requirements of the world's most powerful supercomputers.

Avago's new miniature 12-channel parallel optic transmitter and receiver modules, designed in collaboration with IBM, are capable of handling data rates up to 120 gigabits per second, a record transfer rate that is two times faster than current data rates, taking high-performance computing to an entire new level in terms of processing throughput. Such high performance rates could allow further advances in such grand challenges as automobile safety, weather forecasting, and the discovery of new drugs and worldwide oil reserves.

The first of these micro-parallel modules have been designed specifically for IBM and will first appear in the company's new generation POWER7(TM) supercomputing systems.

"This achievement is the culmination of a three year collaboration between Avago and IBM," said Philip Gadd, vice president and general manager, Fiber Optics Product Division, Avago Technologies. "This is all about working together closely with our clients to deliver value and marrying the expertise of two innovative companies to create and deliver technological advances that help differentiate us in our respective markets. We are proud to have worked alongside IBM to realize this remarkable achievement."

The micro-parallel optics modules created for next-generation IBM POWER7 systems feature the smallest form factors in the industry and incorporate a highly-integrated package for dense tiling of the modules in the host system. The embedded optics solution provided by Avago enables improved system performance via superior signal integrity, thermal management and EMI design.

"This is an important achievement for the future of fiber optic technologies and high-performance computing," said Ed Seminaro, IBM Fellow, Power Systems Development, IBM Systems & Technology Group. "We are pleased that we were able to play a significant part in the definition and qualification of new optical technology that enables the processing of enormous amounts of information in real time."

Details of the new interconnect technology will be presented by Avago and IBM during sessions at the 2010 Optical fiber Conference being held in San Diego, March 21-25.

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 40 years to its Hewlett-Packard roots. Information about Avago is available on the Web at www.avagotech.com

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Safe Harbor Statement

This announcement and supporting materials may contain forward-looking statements which address our expected future business and financial performance. These forward looking statements are based on current expectations, estimates, forecasts and projections of future Company or industry performance based on management's judgment, beliefs, current trends and market conditions, and involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. Accordingly, we caution you not to place undue reliance on these statements. Avago Technologies Registration Statement on Form S-1, as amended, filed with the SEC on January 27, 2010 and other filings with the U.S. Securities and Exchange Commission ("SEC") (which you may obtain for free at the SECs website at http://www.sec.gov) discuss some of the important risk factors that may affect our business, results of operations, and financial condition.

SOURCE: Avago Technologies

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