



Avago Technologies Ramps Up Production of Its QSFP+ Active Optical Cable and Transceiver Solutions

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Company's QSFP+ 4x10Gbps Infiniband Solutions Expands Reach While Lowering Power and Improving EMI Over Copper Interconnect Solutions

PORTLAND, Ore.--(BUSINESS WIRE)--Nov. 16, 2009-- Avago Technologies (Nasdaq:AVGO), a leading supplier of analog interface components for communications, industrial and consumer applications, will showcase its leading QSFP+ active optical cable (AOC) and transceiver solutions for short range Infiniband and Ethernet applications this week at Supercomputing 09. Avago's AFBR-79Q4xACyyZ is a high performance integrated cable for short-range multi-lane data communication and interconnect applications. It integrates four data lanes in each direction with 40Gbps aggregate bandwidth into a single module. Each lane can operate at 10 Gbps with lengths ranging from 1 to 100 meters.

Avago's AFBR-79Q4xACyyZ QSFP+ active optical cable assembly and AFBR-79Q4Z transceiver utilizes multimode fiber using a wavelength of 850 nm. The electrical interface uses a 38-contact edge type connector. Additionally, the four-channel pluggable AOC and transceiver incorporate Avago's integrated circuit and VCSEL technology to provide reliable long life, high performance, and consistent service.

"As the bandwidth needs have increased, copper interconnects are becoming less and less attractive due to the bulk of the connectors, cables, electromagnetic interference (EMI) issues, weight management, and reduced distance capability. As a result, parallel optics is now a natural replacement for parallel copper interconnects," said Sami Nassar, senior director of Marketing, Fiber Optic Product Division, Avago Technologies. "The QSFP+ active optical cable assembly and transceiver provide a hot pluggable solution with data rates from 5Gbps up to 10Gbps per channel. Compared to other 10Gbps serial solutions, these QSFP+ solutions help to improve port density by more than two times and reduce power consumption by more than 50 percent to allow systems companies to lower their overall cost per port."

Copper cabling is typically a bulky solution with a limited reach of 3 to 15 meters at 10Gbps/lane data rate. A fiber optic QSFP+ solution provides a longer reach and a tighter bend radius.

Avago will be conducting live demonstrations of its latest QSFP+ active optical cable and transceiver products at SC'09 from Nov. 16 – 19 in its booth (#2386). The demonstrations will include a 120Gbps 12x QDR Infiniband link that will be streaming traffic from the SCInet network. The second demonstration will be an example of a real-time advanced remote desktop that will allow exhibitors to share simulations, live video and presentations.

Key Features

- Four independent transmitter channels and four independent receiver channels per module
- High channel capacity: up to 40 Gbps per module, bi-directional operation
- Fully compliant to 10Gbps QDR IB, backwards compatible to 5Gbps DDR IB, and 2.5Gbps SDR IB
- Operates up to 10Gbps with 8b/10b compatible coded data
- Case temperature operation range: 0 to 70 degrees-C Compliant to the InfiniBand Architecture Release 1.2.1 QDR specification; and to SFF-8436 specification for QSFP+ optical modules
- Compatible to the industry standard IN-8436i QSFP transceiver specification Rev. 1.0

Pricing and Availability

Pricing for Avago's AFBR-79Q4xACyyZ AOC solution is around \$500 for a 10 meter cable in small quantities. Samples and production quantities are available now through Avago's direct sales channel and worldwide distribution partners.

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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