ETHERNET ALLIANCE SHOWCASES ETHERNET'S GROWING SPEED DIVERSITY AT SC15

Leading industry alliance underscores benefits of ever-expanding array of Ethernet interconnect solutions, including 10, 25, 40, and 100GbE, to HPC community

BEAVERTON, OR, NOVEMBER 10, 2015 – The Ethernet Alliance, a global consortium dedicated to the continued success and advancement of Ethernet technologies, today announced details of its multi-vendor SC15 demo highlighting Ethernet's growing range of interconnect solutions for high-performance computing (HPC). Uniting 10, 25, 40, and 100 Gigabit Ethernet (GbE) equipment and technologies into an interoperability display emulating conditions found in real-world supercomputing environments, the demo illustrates Ethernet's tangible benefits and rising importance to HPC. The Ethernet Alliance's demo can be experienced at booth 1219 during the SC15 expo, November 16 – 19, 2015, Neal Kocurek Memorial Austin Convention Center, Austin, Texas.

"HPC environments typically incorporate a multitude of network configurations, depending on the specific application space. The groundswell of innovation sweeping through the Ethernet ecosystem in recent years continues unabated. The rapid development of 25GbE, and those discussions about 50GbE and 200GbE already underway are bringing a host of diverse new Ethernet interconnect options to the supercomputing community," said Scott Kipp, president, Ethernet Alliance; and principal technologist, Brocade. "As shown in our SC15 demo, Ethernet combines the best of robust, low-latency performance, interoperability, and maximum per-bit cost-effectiveness, delivering greater choice and much-needed flexibility to the HPC network configuration process."

Accounting for some 30 percent of TOP500 supercomputers, Ethernet continues to be an important technology for the HPC community. The Ethernet Alliance's SC15 live multi-vendor interoperability demo includes a wide variety of Ethernet technologies and equipment. Supporting an array of mixed media including both copper and fiber, the demo highlights Ethernet's superior flexibility and its ability to allow network decision-making based on speed, density, distance, or any combination thereof. Among the various elements making up the Ethernet Alliance's demo are 25GbE/10GbE SFP28 and 100GbE/40GbE QSFP28 ports interconnected with various copper and fiber cable assemblies; SM and LOMM fiber trunks; 25GbE, 40GbE, and 100GbE test ports; 25GbE and 100GbE NIC adapters; servers, switches, and management tools; and more. The display also encompasses a simulation of a real-world data center environment.

Contributing equipment and technologies to its SC15 multi-vendor demo are Ethernet Alliance member companies Amphenol Corporation (NYSE: APH); Cisco Systems (NASDAQ: CSCO); CommScope, Inc. (NASDAQ: COMM); Hitachi Ltd.; Ixia (NASDAQ: XXIA); Mellanox Technologies, Ltd. (NASDAQ: MLNX); TE Connectivity (NYSE: TEL); Teledyne LeCroy, Inc.; and Volex (LSE: VLX).

"The complexities of putting together a specification, as well as the systems and technologies involved are exponentially greater today, particularly with the trend toward accelerated standardization timeframes. That these competitive manufacturers are coming together and working collaboratively to make it happen is nothing short of amazing," said David Rodgers, senior product marketing manager, Teledyne LeCroy; and SC15 technical lead, Ethernet Alliance. "Reflecting Ethernet's continued diversification, the Ethernet Alliance's SC15 demo features a broad spectrum of technologies ranging from 10GbE to 100GbE. It illustrates the industry's commitment to delivering a full suite of flexible interconnect options for HPC and beyond."

For more information about the Ethernet Alliance, please visit http://www.ethernetalliance.org, follow @EthernetAllianc on Twitter, visit its Facebook page, or join its LinkedIn group. Individuals who would like to receive updates on Ethernet Alliance, activities, and events may sign up for the organization's newsletter at www.ethernetalliance.org/newsletter.

About the Ethernet Alliance
The Ethernet Alliance is a global consortium that includes system and component vendors, industry experts, and university and government professionals who are committed to the continued success and expansion of Ethernet technology. The Ethernet Alliance takes Ethernet standards to market by supporting activities that span from incubation of new Ethernet technologies to interoperability demonstrations and education.

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Additional Quotes:

"Amphenol is once again proud to continue our partnership with the Ethernet Alliance by participating in the live demo at this year's Supercomputing conference. This marks the eighth year in a row Amphenol has been a part of the demonstration. The Supercomputing conference and exhibition is one of the premier high performance computer events of the year. The Ethernet Alliance booth is a great place for designers and end users to get unbiased information on the latest GbE and see the latest products in live and static demos.

"Amphenol will be showing our world class 10GbE SFP+ and 40GbE QSFP+ and just released this year our 100GbE interconnect systems. From our passive, active copper cables and the latest active optical cable assemblies to our SFP+ and QSFP+ cages and connectors. Additionally we will be showcasing a new offering of High Density (HD) rack mount optical connectivity panels and trunk cable solutions designed to increase density to improve cable routing, tray congestion, and air flow." – *Greg McSorley, technical business development manager, Amphenol*

"We look forward to joining other top vendors at the SC15 Ethernet Alliance showcase to provide demonstrations on the latest advancements in interoperability and flexibility to support current and next-generation Ethernet networks. 2015 has held some exciting announcements in the advancement of Ethernet technology and we attribute that to the hard work put forth through collaboration and standardization." – *Kevin St. Cyr, senior vice president of enterprise solutions, CommScope*

"Hitachi Cable America is excited to participate in the Ethernet Alliance's interoperability demonstration with our high-performance interconnects – designed to meet the market requirements for speed, density, power consumption and reliability. We're grateful for the opportunity to highlight our 100GbE optical transceivers, active optical cables, and direct attach copper cables at SC15. Also showing are our single channel 25GbE DACs, and DAC breakout cables (QSFP/QSFP 2x50 & QSFP/SFP+ 4x25), along with introducing our latest, industry leading highest-density concept – DensPac^{TM} 4 and 12 channel AOCs and DACs." – *Michael Ressl, vice president, business development and technology, Hitachi Cable America Inc.*

"Ixia is excited to be part of Ethernet Alliance's multi-vendor demonstration highlighting the Ethernet options available for HPC at SuperComputing 2015. At SC 2015, the live demonstration of 10, 25, 40 and 100 Gigabit Ethernet technologies by the Ethernet Alliance, will help the HPC industry understand how Ethernet technologies work synergistically to create high performing supercomputing environments." – *Charles Seifert, senior manager, platform product management, Ixia*

"The Ethernet Alliance, together with a list of partners is building a 100Gb Ethernet network environment based on the leading and most innovative products in the market. Mellanox Ethernet switch solutions connect into this network and the test equipment using 100GbE and 25GbE interfaces. As a world-leading performance provider, Mellanox Ethernet switches are introducing the next generation of Ethernet feeds and speeds with 100GbE line and 25Gb lane rates based on home grown Mellanox switch, NIC and cable ASICs and interoperable with the full Ethernet ecosystem." – *Ran Almog, director, product management, Mellanox Technologies*

"As a founding member of the Ethernet Alliance, TE Connectivity (TE) is proud of the work we are doing to help enable high performance computing (HPC) and the always-on, data driven world. TE's 10 Gbps, 25 Gbps, 40 Gbps and 100 Gbps copper cables, optical transceivers, and active optical cables connect the switches, routers, and servers in the Ethernet Alliance HPC demo." – *Nathan Tracy, technologist, TE Connectivity, Data and Devices*

"The advancement of near carrier-rate Ethernet datacenter connections necessitates new challenges and requirements for the development and validation communities. Teledyne LeCroy is pleased to be on the leading edge of the enabling tools market, offering products and services that ensure the rapid and successful deployment of 25Gbs and 100Gbs server and switch interconnects." – *David J. Rodgers, senior product marketing manager, SAN and fabric analysis tools, Teledyne LeCroy*

"Volex is pleased to join with Ethernet Alliance at the SC15 show, located in Austin, Texas, which is also the new location of our data division headquarters. This annual event provides remarkable opportunity within the Ethernet Alliance community to partner with industry-leading companies in an interactive and cooperative environment. Featured Volex products support next generation interconnect solutions with Ethernet data rates of 25G, 50G and 100G, including our SFP28 & QSFP28 passive copper assemblies. We look forward greeting you at booth #1219 and learning more about your specific high speed cabling requirements." – *Tim Brackett, vice president, portfolio lifecycle management, Volex*