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CHELSIO AND WISTRON PARTNER TO DELIVER 40G ETHERNET IWARP-BASED NVME OVER FABRICS STORAGE FOR ENTERPRISE AND CLOUD DATA CENTERS

Pioneering Chelsio Ethernet Offering to Accelerate Deployment of Next-Generation Flash-Optimized Scale-out Storage

SUNNYVALE, CA AND TAIWAN – November 11, 2015 – Chelsio Communications, Inc., a leading provider of Ethernet adapters for storage networking, virtualized enterprise data centers, cloud service installations, and cluster computing environments, and Wistron Corporation, the engineering-based technical service provider delivering end-to-end product development services, today announced plans to collaborate to bring to market a 40Gigabit Ethernet iWARP-based Wistron NVMe over Fabrics scale-out storage solution.

The Wistron solution will be the industry's first storage array supporting NVMe over 40G iWARP fabrics packaged through an RDMA cluster scale-out architecture while delivering dramatically lower latency and higher IOPS than traditional SAN solutions. Leveraging Chelsio's iWARP technology, the new solution tightly integrates flash storage technology and software with industry-standard RDMA fabrics to satisfy the increasing needs of high-performance business applications to deliver the highest performance and lowest latency solution versus legacy Fiber Channel.

The Wistron WS-A7424-10 dual port NVMe storage array platform will be on display in the Chelsio booth#3306 at SC15 in Austin, TX, November 17-19.

"We are pleased to work with Wistron on the development of the next generation flash-optimized enterprise storage. Our iWARP RDMA and iSCSI offering delivers 'no compromise' efficiency for NVMe Fabrics and Flash applications," said Kianoosh Naghshineh, CEO of Chelsio.



“Customers acquire flash storage to share it across multiple applications using the most efficient networking available to maximize ROI. This new storage solution from Wistron will be a critical tool in accomplishing these business goals.”

“Our success is built on delivering platforms that provide a competitive advantage. Our customers continue to demand platform innovation that reduces TCO and increases workload performance,” said Spark Chen, division head of Enterprise Storage, Wistron. “The new WS-A7424-10 dual port NVMe all-flash storage array platform is optimized to meet growing performance demands within their existing infrastructure.”

About Chelsio iWARP

Chelsio’s Terminator 5 ASIC offers a high performance, robust third generation implementation of RDMA (Remote Direct Memory Access) over 40G Ethernet, the Internet Wide Area RDMA Protocol – iWARP. T5 delivers end-to-end RDMA latency that is comparable to InfiniBand, using standard Ethernet infrastructure. Chelsio’s iWARP is in production today in GPU applications, in storage applications as a fabric for clustered storage, for Lustre and other storage applications, for Microsoft Azure Stack storage, for HPC applications, and for remote replication and disaster recovery. It is a high performance, robust, reliable, and mature protocol that enables direct data placement, CPU savings, and RDMA functionality over TCP/IP and legacy Ethernet switches and internet with no performance penalties.

About Chelsio iSCSI

Chelsio’s Terminator 5 ASIC offers a high performance, robust fourth generation implementation of iSCSI protocol over 40G Ethernet. T5 delivers a low latency, low CPU utilization, high bandwidth, and high IOPs implementation of the iSCSI protocol at 40Gb and beyond. It is the only robust iSCSI implementation in the industry that has not changed for a decade, allowing the benefit of years of quality assurance and the only industry solution that has scaled to 40Gb and beyond, and thus is ideally suited for Flash applications.



Chelsio's iSCSI implementation is in production with a variety of OEMs and support will be available from several distributions. It is a feature rich solution that enables turning on of the iSCSI digest protocol with no penalties, use of standard Ethernet frames, and support for T10 protocol. Chelsio's iSCSI is available either in full offload form using Chelsio's iSCSI stack, in partial offload form using the OEM's software stack, or support of all the standard iSCSI offerings in the common distributions.

About Chelsio Communications

Chelsio is a recognized leader in high performance (10G/25G/40G/50G/100G) Ethernet adapters for networking and storage within virtualized enterprise data centers, public and private hyperscale clouds, and cluster computing environments. With a clear emphasis on performance and delivering the only robust offload solution, as opposed to simple speeds and feeds, Chelsio has set itself apart from the competition. The Chelsio Unified Wire fully offloads all protocol traffic, providing no-compromise performance with high packet processing capacity, sub-microsecond hardware latency and high bandwidth. Visit the company at www.chelsio.com.

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