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CHELSIO UNIFIED WIRE ETHERNET SOLUTION DELIVERS LEADING PERFORMANCE AND EFFICIENCY FOR AMD ARM PLATFORM

Enables 64-bit ARM-based offering optimized for high-performance embedded and cloud applications

SUNNYVALE, CA - October 26, 2016 – Chelsio Communications, Inc., a leading provider of high performance (10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet Unified Wire Adapters and ASICs for storage networking, virtualized enterprise datacenters, cloud service installations, and cluster computing environments today announced that its T5 10/40 Gigabit Ethernet Unified Wire adapter solutions deliver leading performance and efficiency for AMD Opteron™ 64-bit ARM™-based server platform. Chelsio T5 Ethernet Unified Wire products, optimized for the Opteron ARM platform, ensure that leading ARM technology applications receive the highest CPU efficiency levels with the fastest data speeds to enable superior performance.

Utilizing the Chelsio Unified Wire networking solutions encompassing concurrent iSCSI, TCP/IP, and iWARP (RDMA/TCP) protocol offload with Traffic Management and Filtering, the Opteron ARM architecture platform provides high-performance datacenters, cloud providers and application developers with a highly efficient ARM-based infrastructure. Demonstration of the joint solution will take place at the ARM TechCon'16 conference (October 25-27, San Jose, CA) at the Chelsio booth (#931).

Support for AMD Opteron ARM platform by Chelsio's latest T6 line of 10/25/40/50/100 Gigabit Ethernet Unified Wire adapters is planned for first quarter, 2017 (Q1, 2017). Support for integrated TLS/SSL, DTLS, IPsec and SMB 3.X crypto in the T6 adapters will enable tremendous differentiation for AMD Opteron ARM-based end products. For example, T6



adapters are capable of encrypting/decrypting network data at line rate and in an in-line fashion (with or without integrated TCP Offload Engine), while concurrently doing encryption/decryption of storage data in a co-processor mode, thus enabling concurrent secure communication and secure storage, all for the price and power of a typical NIC.

"Chelsio has enabled highly efficient Ethernet-based solutions for the range of cloud, datacenter and embedded workloads, including storage and cluster communications, with Opteron ARM platforms," said Seamus Crehan, president of [Crehan Research](#). "Chelsio's high-speed, CPU-efficient Unified Wire solutions paired with Opteron ARM delivers world-class system-level performance at attractive power levels."

"Combination of T5 and T6 offloads with the ARM CPU, enables a wide range of server or embedded applications," said Kianoosh Naghshineh, CEO at Chelsio Communications. "Server and storage platforms utilizing the AMD Opteron ARM platform with Chelsio Unified Wire solutions will deliver a whole new level of performance, functionality, and return-on-investment, thus far not possible on ARM-based systems."

About Chelsio Communications

Chelsio is a recognized leader in high performance (10Gb/25Gb/40Gb/50Gb/100Gb) Ethernet adapters for networking and storage within virtualized enterprise datacenters, 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, and follow the company on [Twitter](#) and [Facebook](#).

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