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AXELLIO SELECTS CHELSIO T6 UNIFIED WIRE ADAPTERS FOR FABRICXPRESS™ HYPER-CONVERGED SOLUTION FOR WINDOWS SERVER 2016 AND 2019

SUNNYVALE, CA – November 27, 2018 – Chelsio Communications, Inc., a leading provider of high performance (1Gb/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 Axellio has selected T6 Unified Wire adapters for its FabricXpress® Windows Server Software-Defined (FX-WSSD) solutions, an all-flash hyper-converged infrastructure (HCI) appliance based on Microsoft Windows Server 2016 and 2019. Axellio unveiled the new FabricXpress appliance which is validated to Microsoft WSSD reference architecture at the recently held Microsoft Ignite 2018 conference in Orlando, Fla.

The FX-WSSD solution is uniquely designed to help customers “scale in” through its’ innovative FabricXpress® PCIe architecture built to maximize throughput and minimize latency across large data pools. FX-WSSD enables independent scaling of compute and NVMe SSD allowing even the most storage demanding workloads to be run on HCI. The 4-node entry cluster, implemented in only 4U and by holding up to 288 NVMe flash drives scaling up to 1PB is one of the most storage dense hyper-converged infrastructure platforms on the market. It is designed around x86 industry-standard architecture and integrates best-of-breed Chelsio T6 100 Gigabit Ethernet (100GbE) iWARP RDMA-enabled networking adapters that offload network stack processing from the CPU, which is critical in HCI. The combination of Axellio FabricXpress® and Chelsio T6 network adapters is an ideal HCI solution for tier 1 storage IO intensive applications such as SQL Server and demanding virtualized workloads.



In a demonstration of Axellio FabricXpress HCI and Chelsio T62100-CR adapters utilizing the below configuration:

FX-WSSD 4U 4-Node Configuration:

- Up to 176 Cores with Intel E5-2699v4 CPUs
- Up to 2TB RAM
- Up to 460TB Usable all-NVMe Storage Capacity
- Chelsio T6 100GbE iWARP RDMA Networking

Chelsio and Axellio FabricXpress achieved:

- 4.3 million IOPS @ 4k 100% Read in only 4U

Additional information regarding the demonstration is available in a [Chelsio/Axellio Technical Brief](#).

"Axellio's FX-WSSD provides a powerful and reliable HCI solution that unlocks the full potential of Windows Server 2019 and its new software defined storage improvements," said Bill Miller, CEO at Axellio Inc. "We are pleased to have selected Chelsio 100GbE iWARP adapters to deliver high-performance and scalable network connectivity to our customers of our new hyper-converged infrastructure solution."

"Chelsio T6 Unified Wire delivers the highest-performance and most efficient options for the Windows Server 2019 Software-Defined (WSSD) solutions," said Kianoosh Naghshineh, CEO at Chelsio Communications. "T6 in combination with Axellio's FX-WSSD has enabled highly differentiated hyper-converged infrastructure solutions for Windows Server 2019 enterprise and cloud deployments."

About Chelsio Communications

Chelsio is a recognized leader in high performance (1Gb/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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