

Flash Memory Summit 2018: Liquid Delivers Industry First Gen 4.0 PCI-Express NVMe Storage Solution for Breakthrough Data Acceleration

Liquid Leverages PCIe Fabric Expertise to Achieve Unprecedented Gains in NVMe Performance Delivering Agility Between Storage and GPU for A.I. Centric Workloads

SANTA CLARA, Calif., & BROOMFIELD, Colo., August 7, 2018 -- Liquid, leading provider of on-demand composable infrastructure technologies, announced that it will be demonstrating the industry's first PCI-Express (PCIe) 4.0 NVMe solid state technology (SSD) at [Flash Memory Summit 2018](#). Liquid will demonstrate multiple configurations of its [Gen 4 PCIe Element SSDs](#), including the industry's first Gen4 x16 NVMe storage solution with Dual Ported capability. By leveraging the newly available Gen4 PCIe interface, the Liquid Element solution delivers unprecedented data throughput and IOPS performance for artificial intelligence, machine learning, and other emerging, high-value applications.

"Transforming milliseconds into microseconds, Gen 4.0 PCIe solid-state solutions from Liquid provide consistent data performance and efficiency to handle the workloads associated with the Age of Artificial Intelligence," said Sumit Puri, CEO and Co-founder, Liquid. "We are honored to be working with a wide array of industry-leading partners and customers to bring our expertise in PCIe fabrics to deliver supercharged solid-state performance and answer emerging challenges in the data center. Liquid is proud to build on our legacy of delivering award-winning PCIe-deployed infrastructure solutions to market."

PCIe 4.0 NVMe solutions from Liquid deliver strong benefits across industry verticals, anywhere data performance is a prerequisite for success. Deployment of the long-awaited Gen 4 PCIe specifications will accelerate applications across multiple industry verticals, improving performance in today's cloud-centric and big data compute environments. Gen4 NVMe will also drive emerging applications in machine learning and artificial intelligence, 8K digital media processing, virtual and augmented reality, and much more.

Liquid Element Gen 4 NVMe solid state solutions feature:

- High performance NVMe SSD with PCIe 4.0 x16 interface
- Supports up to ~25GB/s and up to ~3.5M IOPS (4KB)
- Supports up to 8x M.2 modules per card – up to 32TB max capacity
- Full enterprise class features including Power Loss Protection
- Multi-Port capability for multi-host access enabling advanced use cases
- Liquid Command Center provides management software that dynamically composes and orchestrates bare metal storage elements from the storage pool to individual servers

"Liquid continues to lead in PCIe innovation across the data center. Their ability to deploy and manage elements connected to PCIe fabrics gives users an outside advantage when deploying next generation platforms," said Jas Tremblay, vice president and general manager, Data Center Solutions Group, Broadcom Inc. "As the new Broadcom® PEX88000 PCIe Gen4

Switches start to gain a footprint in the marketplace, Lqid has become an industry leader with solutions that leverage these new PCIe solutions. We're pleased to work with Lqid to bring PEX88000 Gen4 PCIe solutions to the market that dramatically accelerate the data pipeline for existing and emerging workloads."

See Lqid PCIe solutions live, Aug 7-9, at the 2018 Flash Memory Summit, with demos at partner booths: [Phison](#) (booth 614), [One Stop Systems](#) (119), [Toshiba](#) (309), [Hagiwara Solutions](#) (134), and [Broadcom](#) (suite). Go to www.lqid.com to schedule a demo and discuss the latest NVMe and Lqid Composable solutions and services.

About Lqid

Lqid delivers unprecedented infrastructure agility, marking the next evolution in data center technology. As a global leader in composable infrastructure, Lqid's open platform allows users, either manually or through policy-based automation, to effortlessly manage and configure "physical," bare-metal server systems in seconds. Lqid's software and hardware work in harmony allowing users, for the first time, to configure their physical server infrastructure on-the-fly. In this way, Lqid enables organizations to adapt to technological and business changes in real time and fully maximize opportunities in today's digital economy. For more information, contact the Lqid team at info@lqid.com or visit www.lqid.com. Follow Lqid on [Twitter](#), [LinkedIn](#) and [Google+](#).

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