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Fusion-io announces ioDrive, placing the power of a SAN in the palm of your hand.

Revolutionary ioDrive delivers 100,000 IOPS and over 1000x the performance of the competition, in a single PCIe device - displacing disks and caching appliances.

Salt Lake City, UT September 25, 2007—Fusion-io, placing the power of a SAN in the palm of your hand, today announced the launch of the ioDrive.

Presenting at DEMOFall '07, Fusion-io founders Rick White, chief executive officer, and David Flynn, chief technology officer, demonstrated the record breaking performance of the ioDrive installed in an HP BladeSystem c-Class enclosure and functioning as a local storage device. The ioDrive is designed to deliver 100,000 IOPS (input/output per second) per card, while achieving sustained data rates of 800MB/sec (Read) and 600MB/sec (Write) — making the ioDrive almost a thousand times faster than any existing disk drive.

The ioDrive leverages Fusion-io's proprietary ioMemory architecture to create a single PCIe x4 card that operates as either local storage or storage cache. Capable of being installed transparently at multiple points in existing data centers or workstations, the ioDrive requires no changes to applications or infrastructure, nor requires complex management software. Given its performance and dual functionality, it is no longer necessary for enterprises to buy expensive, high perform-ance fiber channel disks, fiber channel switches, RAID controllers, HBAs, exotic disks, caching appliances, excessive cabling or custom software. The entire functionality of an enterprise SAN is now embedded on a single PCIe device — the ioDrive.

"For years, the industry has focused on storage capacity utilization or IO bandwidth performance, resulting in unnecessary complexity and cost in existing storage infrastructure," said Flynn. "Such solutions as exotic disks, expensive caching appliances or custom crafted software only exacerbate this problem. The ioDrive effectively eliminates multiple layers of complexity and cost within storage infrastructure, to address the entirety of data access requirements that exist in today's datacenters and workstations (e.g. capacity, data availability, access rates, data reliability, performance, etc.)."

"Despite its unassuming size, the ioDrive is a surprisingly simple yet extremely high performance, high density device that embeds enterprise SAN functionality onto a single PCIe card that fits in the palm of your hand," added White. "And if that isn't enough, when installed in a system such as the HP BladeSystem c-Class, the end result is a technology combination that will deliver unprecedented gains in performance density, making it unnecessary to integrate hundreds of disks, switches, cables, RAID controllers and host bus adapters to achieve the storage performance that today 's enterprises demand."

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"Customers are relying on HP BladeSystem c-Class as the blade architecture of choice to run their business while saving cost, mitigating risk and driving business growth," said Michael Kendall, manager, BladeSystem Division, HP. "We look forward to the introduction of the ioDrive PCIe card and future products and technologies from Fusion-io so that c-Class customers using this card with our PCI Expansion blade can benefit from a solution with superior performance and increased productivity that is simple and easy-to-use."

Fusion-io's ioDrive will begin shipping in Q4 '07 in 40Gb, 80Gb, 160Gb or 320Gb configurations. Given its ease-of-installation and broad application space, the ioDrive is expected to be adopted for use in web services, financial services, data warehousing, graphic workstations, science and engineering and data appliances.

About Fusion-io
Fusion-io is putting the power of a SAN in the palm of your hand, and making high performance storage for real-time data access a snap! ioMemory is a revolutionary new storage architecture based on high-density NAND that is designed to fill the performance gap between memory and storage - offering access rates comparable to DRAM with the storage capacity of disks. ioMemory is the foundation for the world's first high-performance, silicon-based SAN/NAS solution. Fusion-io's corporate headquarters are located in Salt Lake City, Utah and sells its products globally through direct and indirect channels. For additional information, please email info@fusionio.com

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