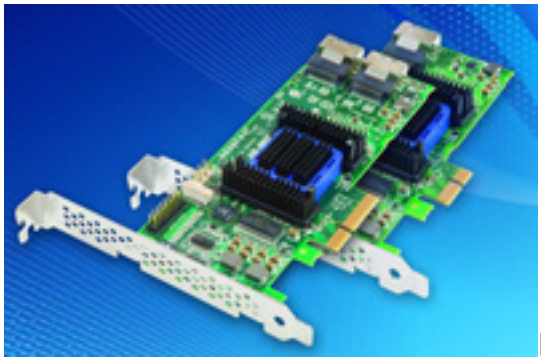
6-Gbs SATA-SAS RAID Controllers Include On-board DRAM Cache



PMC-Sierra, Inc. announced what are said to be the industry's first true hardware 6Gb/s SATA/SAS RAID controllers with on-board DRAM cache for the entry-level market segment. The Adaptec by PMC family of Series 6E RAID controllers enable HBA and hardware RAID functionality in a single card. Based on the company's PM8013 SRC 6Gb/s RAID-on-Chip (RoC) and ARC RAID stack, the entry-level Series 6 four-port 6405E and eight-port 6805E controllers also leverage compatible GUI and management utility tools featured with all Adaptec RAID controllers. The Series 6E controllers are asserted to significantly accelerate performance, in particular spinning media, and overcome the limitations of software-only entry-level RAID and hardware RAID without DRAM caching. The Adaptec RAID 6405E is a four-port, LP/MD2 form factor optimized for maximum host connectivity with its PCIe x1 host interface that fits into any workstation, industrial PC or entry server platform. The Adaptec RAID 6805E is an eight-port, LP/MD2 form factor with bandwidth optimized PCIe x4 host connectivity for higher throughput. Both products use the company's PM8013 SRC 6Gb/s RoC, SAS 2.0, PCIe 2.0 and 128 MB DDR2-800 memory.

The Series 6E controllers use the same RAID stack, drivers and tools as other members of the Series 6 family and allow customers to deploy an entry-level solution with the same enterprise-class management features and full operating system support with minimal additional effort for integration, training and validation.

Series 6E controllers have been qualified with the full ecosystem supported by all Series 6 RAID controllers, with additional focus on storage devices and motherboards for workstation use, entry server platforms and industrial PCs. All Series 6 products support "green" alternatives by offering technology innovations, such as Intelligent Power Management and streamlined product package sleeves, which help reduce waste created by excessive product packaging.

PMC-Sierra, Inc.
604-415-6000, www.adaptec.com [1]

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