



Product Bulletin: Performance Acceleration Module

Revision History

June 9, 2008—Initial version

June 25, 2008—Predictive Cache Statistics update

August 4, 2008—Configured systems support, August 2008 Quote Tool

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

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1. Summary

This product bulletin announces the availability of the Performance Acceleration Module (PAM). The Performance Acceleration Module provides a new way to optimize the performance of NetApp storage systems. Designed as an intelligent read cache, PAM delivers faster IOPs and lower latencies than high-performance disk drives.

Use PAM in FAS/V3000 series, FAS/V6000 series, and SA300/600 storage accelerators. Refer to the configuration guide in section 5 if your storage system works with PAM.

2. What's New?

Each Performance Acceleration Module adds 16 gigabytes of intelligent cache to the system storage controller. As many as five modules (with a maximum of 80 gigabytes) can be added, depending on the storage controller. (See the table in section 5.)

PAM allows the customer to configure the behavior of the cache to meet the demands of individual workloads. Tools are available to predict how the addition of PAM will improve the performance of the controller in actual customer environments before customers purchase and deploy the PAM. These tools use data from emulated caches called Predictive Cache Statistics (PCS) starting in Data ONTAP® 7.3RC2. They help the customer determine the optimal settings and number of modules to deploy.

Using PAM to satisfy read requests allows the customer to reduce the number of disk shelves usually required for good performance. This translates into power, space, and cooling reductions, which lower the total cost of ownership (TCO) for NetApp solutions.

3. Sales Tools (Sales Guides, Training Presentations, SE Presentations)

PAM will be offered as an add-on part by PVR starting with the June 2008 Quote Tool. It will be available as a system-configurable option starting with the August 2008 Quote Tool. Click on the embedded links below to access the various informative presentations and guides.

[Sales Training for Performance Acceleration Module](#)

[Performance Acceleration Module Product Essentials](#)

[Performance Acceleration Module SE Presentation](#)

[FAQ for Performance Acceleration Module](#)

[Audio Sales Training for Performance Acceleration Module](#)

[N/A](#)

4. Customer-Ready Tools (Customer Presentations, Datasheets)

[N/A](#)

5. System Requirements

Data ONTAP 7.3 is required for PAM. Platforms supported along with the maximum number of memory modules supported per platform are listed in the table below.

Modules per Controller FAS/V- Series	Max. # of Modules Memory	Extended Cache
FAS6080/V6080 FAS6070/V6070 SA600	5	80GB
FAS6040/V6040 FAS6030/V6030 FAS3170/V3170	4	64GB
FAS3070/V3070 FAS3140/V3140 SA300	2	32GB
FAS3040/V3040	1	16GB

6. Product Information

The Performance Acceleration Module is licensed based on the storage system. Customers must purchase a single tiered software license per controller along with the appropriate quantity of hardware memory modules. The table below lists the software and hardware part numbers.

Part Number	Description	Discount Category
SW-T4-FLEXSCALE	FlexScale Software,T4	J
SW-T4-FLEXSCALE-C	FlexScale Software,T4,-C	J
SW-T4C-FLEXSCALE	FlexScale Software,T4C	J
SW-T4C-FLEXSCALE-C	FlexScale Software,T4C,-C	J
SW-T5C-FLEXSCALE	FlexScale Software,T5C	J
SW-T5C-FLEXSCALE-C	FlexScale Software,T5C,-C	J
SW-T5-FLEXSCALE	FlexScale Software,T5	J
SW-T5-FLEXSCALE-C	FlexScale Software,T5,-C	J
SW-T6C-FLEXSCALE	FlexScale Software,T6C	J
SW-T6C-FLEXSCALE-C	FlexScale Software,T6C,-C	J
SW-T6-FLEXSCALE	FlexScale Software,T6	J
SW-T6-FLEXSCALE-C	FlexScale Software,T6,-C	J
SW-T7C-FLEXSCALE	FlexScale Software,T7C	J
SW-T7C-FLEXSCALE-C	FlexScale Software,T7C,-C	J
SW-T7-FLEXSCALE	FlexScale Software,T7	J
SW-T7-FLEXSCALE-C	FlexScale Software,T7,-C	J
X1936A-R5	FlexScale,PCIe,R5	A
X1936A-R5-C	FlexScale,PCIe,-C,R5	A

Note: Configured parts identified by a -C designation are available for quoting with the August 2008 Quote Tool release.

Downloading

To download software go to [NOW™ Download Software](#).

Product Availability

The Performance Acceleration Module add-on parts were not immediately available to quote in the June 2008 release of the Quote Tool because of Data ONTAP 7.3RC2 availability. PVR approval has also been required to quote PAM. The Performance Acceleration Module was made available to quote on July 17, 2008.

PAM is available to quote in configured systems with the release of the August 2008 Quote Tool. The PVR requirement is no longer invoked with the August release.

7. Regulatory Compliance

Products need to be validated against the NetApp Safety/EMI Regulatory Compliance List prior

to order submission. This is required to ensure that products are being sold only in the countries in which NetApp has received regulatory compliance certification.

8. Warranty and Service

Standard NetApp hardware and software warranty and services apply.

9. Additional Information

Contact Information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.



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