



Product Bulletin:

DS2246 Small Form Factor Disk Shelf Product Launch

Revision History

13 September 2010 - Initial version

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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 DS2246 disk shelf, NetApp's new 2U high 24-drive enclosure supporting 10,000 rpm small form factor (SFF) 2.5" SAS drives. The new disk drives and field replaceable units (FRUs) associated with the DS2246 shelf are also included in this release.

2. What's New?

The DS2246 is NetApp's third-generation SAS-architecture disk shelf, providing customers with increased performance density.

The DS2246 uses disk drives with a new form factor, as well as a new disk drive carrier design. As a result, disk drives used in the DS2246 are not compatible for use in any of the existing NetApp disk shelf families (including DS14, DS4243, and FAS2000 series controllers).

The mounting hardware used with the DS2246 is largely common with the DS4243, with the notable exception of the two-post mounting kit, which is unique to this product, and neither forward nor backward compatible with other products.

The DS2246 is offered in half- and fully loaded configurations, giving customers the option of purchasing in 12- or 24-drive increments.

3. Sales and Customer-Ready Tools (Training, SE, Customer Presentations, Datasheets, Sales Guides)

The Disk Shelves and Storage Media Info for Sales Binder, including presentations and FAQ related to the DS2246, is available in the NetApp Field Portal:

https://fieldportal.netapp.com/myre_viewbinder.asp?id=2488

Installation instructions and other related documents can be located in the Hardware Library on the NetApp NOW™ site:

http://now.netapp.com/NOW/knowledge/docs/hardware/hardware_index.shtml#Disk%20Shelves

The “Site Requirements Guide” has been updated to include relevant specifications for the DS2246:

http://now.netapp.com/NOW/knowledge/docs/hardware/hardware_index.shtml#General%20information

4. System Requirements

The DS2246 carries several key system requirements.

The following currently shipping platform types are supported:

FAS2040, 2050 (supports 3Gb operation only)
FAS/V3100 series
FAS/V6000 series

The DS2246 requires Data ONTAP® 7.3.3P2 or a later version of Data ONTAP 7.3, or Data ONTAP 8.0P1 or a later version of Data ONTAP 8.0 for FAS/V3100 and 6000 series

FAS2040 and FAS2050 require Data ONTAP 7.3.4 or a later version of Data ONTAP 7.3, or Data ONTAP 8.0.1 or a later version of Data ONTAP 8.0.

SAS ports are required. This requires the purchase and installation of a PCIe SAS adapter card (part number X2065A-R6, or X2062A-R6 if using a FAS2050), or the availability of on-board SAS ports (FAS2040).

SAS cables are required. These cables are offered in 0.5m, 2m, and 5m lengths. As with the DS4243, the use of dual-path (for single-controller systems) or multipath high availability (for active-active systems) is mandatory with the DS2246.

NetApp highly recommends the use of Ethernet cables to connect the Alternate Control Path (ACP), although this is not required. Use of the ACP feature also requires one available Ethernet port per controller. ACP cables are available in 0.5m, 2m, and 5m lengths.

Important Cable Note: Due to the diversity of available cable lengths and the wide range of potential configurations, NetApp strongly urges customers or their sales support representatives to examine quotes carefully to ensure they have the necessary cable (both SAS and ACP) quantities and lengths to connect purchased systems as intended, or to select additional cables as needed.

5. Product Information

450GB and 600GB SAS 10,000 rpm 2.5” disk drives are available with DS2246.

The following part numbers are for the various DS2246 types (disk shelf either half or fully loaded with disk drives) and associated mounting hardware options. The DS2246 is one of the options available in the Storage tab for supported FAS and V-Series systems. Note: When purchasing configurations utilizing SAS drives, the “IOM6” Storage Controller option should be selected in order to choose the DS2246.

Part Number	Description	Discount Category Code
DS2246-1005-12S-PB-R5-C	DSK SHLF,12x450GB,10K,6Gb SAS,IOM6,PB,-C,R5	B
DS2246-1005-12S-PBR-R5-C	DSK SHLF,12x450GB,10K,6Gb SAS,IOM6,PBR,-C,R5	B
DS2246-1005-12S-QS-R5	DSK SHLF,12x450GB,10K,6Gb SAS,IOM6,QS,R5	B

DS2246-1005-12S-R5-C	DSK SHLF,12x450GB,10K,6Gb SAS,IOM6,-C,R5	B
DS2246-1007-12S-PB-R5-C	DSK SHLF,12x600GB,10K,6Gb SAS,IOM6,PB,-C,R5	B
DS2246-1007-12S-PBR-R5-C	DSK SHLF,12x600GB,10K,6Gb SAS,IOM6,PBR,-C,R5	B
DS2246-1007-12S-QS-R5	DSK SHLF,12x600GB,10K,6Gb SAS,IOM6,QS,R5	B
DS2246-1007-12S-R5-C	DSK SHLF,12x600GB,10K,6Gb SAS,IOM6,-C,R5	B
DS2246-1011-24S-PB-R5-C	DSK SHLF,24x450GB,10K,6Gb SAS,IOM6,PB,-C,R5	B
DS2246-1011-24S-PBR-R5-C	DSK SHLF,24x450GB,10K,6Gb SAS,IOM6,PBR,-C,R5	B
DS2246-1011-24S-QS-R5	DSK SHLF,24x450GB,10K,6Gb SAS,IOM6,QS,R5	B
DS2246-1011-24S-R5-C	DSK SHLF,24x450GB,10K,6Gb SAS,IOM6,-C,R5	B
DS2246-1014-24S-PB-R5-C	DSK SHLF,24x600GB,10K,6Gb SAS,IOM6,PB,-C,R5	B
DS2246-1014-24S-PBR-R5-C	DSK SHLF,24x600GB,10K,6Gb SAS,IOM6,PBR,-C,R5	B
DS2246-1014-24S-QS-R5	DSK SHLF,24x600GB,10K,6Gb SAS,IOM6,QS,R5	B
DS2246-1014-24S-R5-C	DSK SHLF,24x600GB,10K,6Gb SAS,IOM6,-C,R5	B
X421A-R5	Disk Drive,450GB 10k 6Gb 2.5" SAS,DS2246	B
X422A-R5	Disk Drive,600GB 10k 6Gb 2.5" SAS,DS2246	B
X5054-R6	BLANK,DSK DRV FILLER,DS2246,R6	A
X519A-R6	PSU W/FANS,750W,AC,DS2246,R6	B
X5527A-R6	Rackmount Kit,2-Post,DS2246	A
X5527A-R6-C	Rackmount Kit,2-Post,DS2246,-C	A
X559A-R6	SHELF,EMPTY,2PSU,AC,DS2246,R6	B
X5713A-R6	IOM6,SAS,6Gb,R6	B
X70074-R6	BEZEL,2-PC END CAP SET,DS2246,R6	A

6. 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. This information can be found in the Field Portal by searching under “Compliance, Policies and Procedures” or following the links below:

- [RoHS Compliance](#)
- [Safety/EMI Regulatory Compliance \(XLS\)](#)
- [WEEE Compliance](#)

7. Warranty and Service

Standard hardware warranty and services apply.

8. Additional Information

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

