



NetApp

NetApp Hardware Universe – Disk Drives and Shelf Enclosures – RC-0035-0711 – Side A – 07-18-2011

	Part No.	Capacity	RPM	EOA/EOS	Min Data ONTAP®	Interface (Gb/Sec)			DS14 Model	
						1	2	4	mk2	mk4
FIBRE CHANNEL	X272B-R5	72GB	10K	12.2006 12.2011	6.3.3 / 7.X					
	X273B-R5	72GB	15K	12.2006 12.2001	6.4.5 / 7.X					
	X274B-R5	144GB	10K	05.2008 06.2013	6.4.5 / 7.X 8.0					
	X275A-R5	144GB	15K	06.2007 06.2012	7.2.1 / 7.3 8.0					
	X278A-R5	144GB	15K	11.2009 12.2014	6.4.5 / 7.X 8.0					
	X276A-R5	300GB	10K	03.2009 04.2014	7.2.1 / 7.3 8.0					
	X279A-R5	300GB	15K	-	7.2.1 / 7.3 8.0					
	X291A-R5	450GB	15K	-	7.2.5 / 7.3 8.0					
	X292A-R5	600GB	15K	-	7.3.2 / 8.0					
SAS	X286A-R5	144GB	15K	11.2009 12.2014	7.2.2 / 7.3 8.0					
	X287A-R5	300GB	15K	-	7.2.2 / 7.3 8.0					
	X410A-R5	300GB	15K	-	7.3.2 8.0					
	X421A-R5	450GB	10K	-	7.3.4 8.0.1					
	X289A-R5	450GB	15K	-	7.2.5 / 7.3 8.0					
	X411A-R5	450GB	15K	-	7.3.2 8.0					
	X422A-R5	600GB	10K	-	7.3.4 8.0.1					
	X290A-R5	600GB	15K	-	7.3.2 8.0					
	X412A-R5	600GB	15K	-	7.3.2 8.0					
	X288A-R5	144GB	15K	-	7.2.2 / 7.3 8.0					
	X289A-R5	300GB	15K	-	7.2.2 / 7.3 8.0					
	X290A-R5	450GB	15K	-	7.2.2 / 7.3 8.0					
SSD	X442A-R5	100GB	-	-	8.0.1					

	Part No.	Capacity	RPM	EOA/EOS	Min Data ONTAP®	Interface (Gb/s)		Storage Chassis		
						1.5	3	20x0	4243	mk2AT
SATA	X262B-R5	250GB	7.2K	05.2008 06.2013	7.1.1 / 7.2 7.3 / 8.0					
	X280B-R5	250GB	7.2K	05.2008 06.2013	7.2.2L1 7.3 / 8.0					
	X266B-R5	320GB	7.2K	11.2006 12.2011	6.5.1 / 7.X 8.0					
	X267A-R5	500GB	7.2K	08.2010 09.2015	7.1 / 7.2 7.3 / 8.0					
	X282B-R5	500GB	7.2K	-	7.2.2L1 7.3 / 8.0					
	X310A-R5	500GB	7.2K	08.2010 09.2015	7.3.2 8.0					
	X268A-R5	750GB	7.2K	11.2009 12.2014	7.2.1 / 7.3 8.0					
	X283B-R5	750TB	7.2K	11.2009 12.2014	7.2.2L1 7.3 / 8.0					
	X269A-R5	1TB	7.2K	-	7.2.3 / 7.3 8.0					
	X298A-R5	1TB	7.2K	-	7.2.2L1 7.3 / 8.0					
SATA	X302A-R5	1TB	7.2K	-	7.3.2 8.0					
	X294A-R5	2TB	7.2K	-	7.3.2 8.0					
	X299A-R5	2TB	7.2K	-	7.3.2 8.0					
	X306A-R5	2TB	7.2K	-	7.3.2 8.0					
	X308A-R5	3TB	7.2K	-	8.0.2					
	X309A-R5	3TB	7.2K	-	8.0.2					

	Part No.	Capacity	RPM	EOA/EOS	Min Data ONTAP®	Interface (Gb/s)		Storage Chassis		
						3	6	20x0	4243	2246
SAS	X286A-R5	144GB	15K	11.2009 12.2014	7.2.2 / 7.3 8.0					
	X287A-R5	300GB	15K	-	7.2.2 / 7.3 8.0					
SAS	X410A-R5	300GB	15K	-	7.3.2 8.0					
	X421A-R5	450GB	10K	-	7.3.4 8.0.1					
SAS	X289A-R5	450GB	15K	-	7.2.5 / 7.3 8.0					
	X411A-R5	450GB	15K	-	7.3.2 8.0					
SAS	X422A-R5	600GB	10K	-	7.3.4 8.0.1					
	X290A-R5	600GB	15K	-	7.3.2 8.0					
SAS	X412A-R5	600GB	15K	-	7.3.2 8.0					
	X288A-R5	144GB	15K	-	7.2.2 / 7.3 8.0					
SAS	X289A-R5	300GB	15K	-	7.2.2 / 7.3 8.0					
	X290A-R5	450GB	15K	-	7.2.2 / 7.3 8.0					

	Part No.	Capacity	RPM	EOA/EOS	Min Data ONTAP®	Interface (Gb/s)		Storage Chassis		
						3	6	20x0	4243	2246
SAS	X442A-R5	100GB	-	-	8.0.1					
	X443A-R5	200GB	-	-	8.0.1					

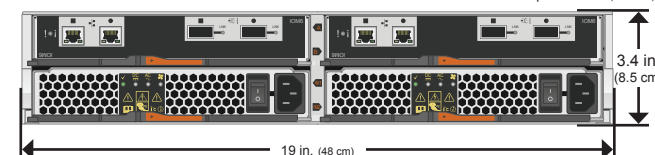
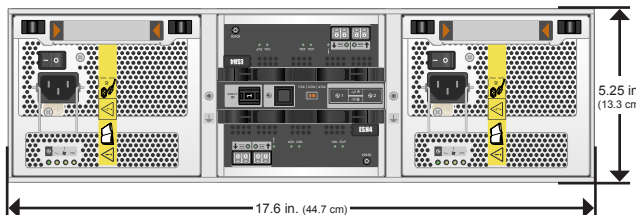
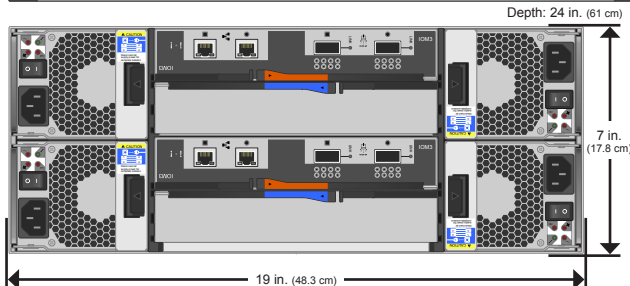
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NetApp Hardware Universe – Disk Drives and Shelf Enclosures – RC-0035-0711 – Side B – 07-18-2011

Model	Part Number(s)	Weight	Disk	Rack	Power (Amps @100-120V)	Thermal (BTU/hr)	EOA/EOS	Min Data ONTAP®
DS14mk2 FC	X550-R5 (shelf empty with 2x AC PSU) X551-R5 (shelf empty without PSU) X551A-R5 (AC PSU only)	Empty: 50.06 lb. (23 kg) W/Drives: 77 lb. (35 kg)	14	3U	72GB 3.43A 144GB 3.43A 300GB 3.89A 72GB 3.63A 144GB 3.75A 300GB 4.32A 450GB 4.32A	72GB 1,167 144GB 1,167 300GB 1,320 72GB 1,234 144GB 1,272 300GB 1,470 450GB 1,470	05.2008 06.2013	6.4.1 7.X 8.0
DS14mk4 FC	X553A-R5 (shelf empty with 2x AC PSU) X553A-DC-R5 (shelf empty with 2x DC PSU) X511A-R5 (AC PSU only) X94015A-ESH4-QS-R5 (300GB drives) X54015A-ESH4-QS-R5 (450GB drives) X64015A-ESH4-QS-R5 (600GB drives)	Empty: 50.06 lb. (23 kg) W/O Drives: 68 lb. (30.8 kg) W/Drives: 77 lb. (35 kg)	14	3U	72GB 3.01A 144GB 3.36A 300GB 3.78A 144GB 3.29A 300GB 3.29A 450GB 3.59A 600GB 3.44A	72GB 1,020 144GB 1,140 300GB 1,287 144GB 904 300GB 1,119 450GB 1,119 600GB 1,094	-	7.2.1 7.3 8.0
DS14mk2 AT	X561-R5 (shelf empty with 2x AC PSU) X561-DC-R5 (shelf empty with 2x DC PSU) X562-R5 (shelf empty without PSU) X511A-R5 (AC PSU only) DSX-7.0TB-QS-R5 (500GB drives) DSX-10.5TB-QS-R5 (750GB drives) DSX-14.0TB-QS-R5 (1TB drives) DSX-28.0TB-QS-R5 (2TB drives)	Empty: 50.06 lb. (23 kg) W/O Drives: 68 lb. (30.8 kg) W/Drives: 77 lb. (30.8 kg)	14	3U	250GB 2.72A 320GB 3.12A 500GB 2.90A 750GB 3.22A 1TB 3.10A 2TB 3.10A	250GB 923 320GB 1,058 500GB 1,095 750GB 1,050 1TB 1,050 2TB 1,050	-	6.5 7.X 8.0
DS4243	X556A-R6 (shelf empty with 2x AC PSU) X557A-R6 (shelf empty with 4x AC PSU) X558A-R6 (shelf empty without PSU) X518A-R6 (AC PSU only) DS4243-1507-24S-QS-R5 (300GB SAS) DS4243-1511-24S-QS-R5 (450GB SAS) DS4243-1514-24S-QS-R5 (600GB SAS) DS4243-0712-24A-QS-R5 (600GB SATA) DS4243-0724-24A-QS-R5 (1TB SATA) DS4243-0748-24A-QS-R5 (2TB SATA) DS4243-0772-24A-QS-R5 (3TB SATA) DS4243-SL02-24A-QS-R5 (100GB SSD)	Empty: 21.1 lb. (9.6 kg) W/O Drives: 53.7 lb. (24.4 kg) W/Drives: 110 lb. (49.9 kg)	24	4U	300GB 6.0A 450GB 6.3A 600GB 5.7A 500GB 4.4A 1TB 4.4A 2TB 4.6A SSD 100GB 1.6A	300GB 2,048 450GB 2,150 600GB 1,833 500GB 1,501 1TB 1,495 2TB 1,561 SSD 100GB 557	-	7.3.2 8.0
DS2246	X559A-R6 (shelf empty with 2x AC PSUs) X567A-R6 (shelf empty without PSU) X519A-R6 (AC PSU only) DS2246-1014-24S-QS-R5 (24 x 600GB) DS2246-1005-12S-QS-R5 (12 x 450GB) DS2246-1007-12S-QS-R5 (12 x 600GB)	Empty: 17.4 lb. (7.9 kg) W/O Drives: 34.6 lb. (15.7 kg) W/Drives: 49 lb. (22.2 kg)	24	2U	450GB 3.05A 600GB 3.59A	450GB 1,024 600GB 1,202	-	7.3.4 8.0.1



BTU – British Thermal Unit
Cu – Copper Connector
EOA – End of Availability
EOS – End of Support
ESH – Electronically Switched Hub
FAS – Fabric-Attached Storage

HSSDC – High-Speed Serial Data Connector
IOM3 – I/O Module 3Gbit per second
IOM6 – I/O Module 6Gbit per second
LC – Lucern Connector
LRC – Loop Resiliency Circuit
Op – Optical (connector)

SAS – Serial-attached SCSI
SATA – Serial ATA
QSFP – Quad Small Form Factor Pluggable
RPM – Revolutions Per Minute
SFP – Small Form Factor Pluggable

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RC-0035-0711

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Module	Platforms	Part Number	Interface	EOA/EOS	Min Data ONTAP®	Disk Shelf Model				
						mk2	mk4	mk2AT	4243	2246
LRC	FAS	X5501A Cu: DB9 / SC X5502A Op: SC	In: DB9 / SC Out:	03.2006 04.2011	-					
ESH2	FAS	X5511A-R5	In: SFP Out:	05.2008 06.2013	6.5.1 / 7.X 8.0					
ESH4	FAS	X5512A-R5	In: SFP Out:	-	7.2.1 / 7.3 8.0					
AT-FC	FAS	X5610A Cu: HSSDC2 X5611A Op: LC	In: HSSDC2 / LC Out: HSSDC2	06.2006 06.2011	6.5 / 7.X					
AT-FC2	NearStore R150/R200	X5613A	In: SFP Out: SFP	06.2006 06.2011	6.5.1 / 7.X					
AT-FCX	FAS	X5612A-R5	In: SFP Out: SFP	-	7.0.1 / 8.0					
IOM3	FAS	X5712A-R6	In: QSFP Out: QSFP	-	7.3.2 / 8.0					
IOM6	FAS	X5713A-R6	In: QSFP Out: QSFP	-	7.3.4 / 8.0.1					

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