



NetApp®

NetApp Expanded Universe – Legacy Storage Systems – Side A – 05-15-2009

Storage Systems

NetApp		FAS/V6070*	FAS/V6030*	FAS/V3070*	FAS/V3050*	FAS/V3040*	FAS/V3020*	FAS270*	FAS250	S550	S500	S300
IBM		N7800	N7600	N5600	N5500	N5300	N5200	N3700	No IBM Model	No IBM Model	No IBM Model	No IBM Model
Front View												
EOA/EOS Dates		01-May-2009 01-Jun-2014	01-May-2009 01-Jun-2014	06-Mar-2009 06-Apr-2014	04-Nov-2007 04-Dec-2012	06-Mar-2009 06-Apr-2014	06-Mar-2009 06-Apr-2014	14-Nov-2008 (AC) 14-Dec-2013 (AC)	14-Nov-2008 (AC) 14-Dec-2013 (AC)	06-Mar-2009 06-Apr-2012	01-Jun-2007 01-Jun-2010	14-Aug-2008 14-Aug-2011
FC Max Capacity (TB) HA / Single		302 / 302	252 / 252	227 / 227	100 / 100	151 / 151	76 / 76	16 / 16	4	-	-	-
SATA Max Capacity (TB) HA / Single		504 / 504	420 / 420	504 / 504	168 / 168	336 / 336	84 / 84	16 / 16	-	12TB	9TB	6TB
Max Loops HA / Single		12 / 12	10 / 10	8 / 8	4 / 8	6 / 6	4 / 4	1 / 1	1	-	-	-
Max Disk Shelves HA / Single		72 / 72	60 / 60	36 / 36	24 / 24	24 / 24	12 / 12	3 / 3	-	-	-	-
Max Drive Quantity HA / Single (2)		1008 / 1008	840 / 840	504 / 504	336 / 336	336 / 336	168 / 168	56 / 56	- / 14	- / 12	- / 12	- / 8
Environmental	Height HA / Single	12U / 6U	12U / 6U	6U / 3U	6U / 3U	6U / 3U	6U / 3U	3U / 3U	3U	- / 2U	- / 2U	- / 4U half width
	Weight	122lb (55.34kg)	122lb (55.34kg)	68lb (30.84kg)	68lb (30.84kg)	68lb (30.84kg)	68lb (30.84kg)	77lb (35kg)	77lb (35kg)	52lb. (35.8kg) with drives	52lb. (35.8kg) with drives	41.88lb. (19kg) with drives
	AC Power	100-120V 5.6A 200-240V 2.9A	100-120V 5.4A 200-240V 2.8A	100-120V 3.7A 200-240V 2.1A	100-120V 3.4A 200-240V 1.9A	100-120V 3.4A 200-240V 1.9A	100-120V 2.4A 200-240V 1.4A	100-120V 4A 200-240V 2A	100-120V 4A 200-240V 2A	100-120V 9A 200-240V 4.5A	100-120V 9A 200-240V 4.5A	100-120V 6A 200-240V 3A
	DC Power	-	-	48V	48V	48V	48V	48V	48V	-	-	-
Platform Specifications	Thermal	1,870 BTU/hr	1,812 BTU/hr	1,233 BTU/hr	1,119 BTU/hr	1,152 BTU/hr	805 BTU/hr	1,279 BTU/hr	1,178 BTU/hr	1,706 BTU/hr	1,706 BTU/hr	1,706 BTU/hr
	Processor	4 AMD K8 2.6 GHz Operton 852	2 AMD K8 2.6 GHz Operton 852	2 AMD 2.0 GHz (Dual Core)	2 Intel 2.8GHz Xeon	2 AMD 2.0 GHz (Dual Core)	Intel 2.8GHz Xeon	1 BCM1250 650MHz MIPS	1 BCM1250 600MHz MIPS	1 32 Bit	1 Intel @ 2.9 GHz Celeron	800 MHz BCM 1152
	RAM (GB)	32	16	8	4	4	2	1	0.5	2	1	1
	NVRAM	2GB v6	512MB v6	512 MB v6	512MB v5	512 MB v6	512MB v5	128MB	64MB	256MB	256MB	128MB
	PCI/x/e Slots	5 -PCIe 3 – PCI-x	5 -PCIe 3 – PCI-x	3 PCI-e	3 PCI-X	3 PCI-e	3 PCI-X	-	-	1 PCI-X 1 PCI-e	1 PCI-X	-
	Ether Ports Onboard	6 GbE RJ45	6 GbE RJ45	4 GbE RJ45	4 GbE RJ45	4 GbE RJ45	4 GbE RJ45	2 GbE RJ45	2 GbE RJ45	2 GbE RJ45	2 GbE RJ45	4 GbE RJ45
	FC Ports Onboard	8 2Gb SFP	8 2Gb SFP	4 4Gb SFP	4 2Gb SFP	4 4Gb SFP	4 2Gb SFP	2 2Gb SFP	1 2Gb SFP	-	-	-
	Data ONTAP® Min / Max Release	7.2 / -	7.2 /	7.2.1 (FAS) 7.2.2 V-Series	7.0.1R1 / -	7.2.1 10.0.2	7.0.1 (FAS) 7.0.2 V-Series	6.5R2 / -	6.4.3 / -	7.2.1 SFE	7.0.3 SFE	7.2.1 SFE



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NetApp Expanded Universe – Legacy Storage Systems – Side B – 05-15-2009

Storage Systems											
NetApp	FAS980*	FAS960*	FAS940*	FAS920*	F880*	F825*	F840*	F820*	F810*	F87	F85
Front View											
EOA/EOS Dates	09-Jun-2007 09-Jul-2012	05-May-2006 05-Jun-2011	04-Nov-2005 04-Nov-2010	04-Nov-2005 04-Nov-2010	24-Oct-2003 30-Nov-2008	29-Oct-2004 29-Nov-2009	24-Jan-2003 29-Feb-2008	24-Jan-2003 29-Feb-2008	27-Feb-2004 27-Mar-2009	31-Oct-2002 28-Nov-2008	28-Jan-2002 28-Jan-2004
FC Max Capacity (TB) HA / Single	48	24	1	6	16 / 9	6 / 3	12 / 6	6 / 3	3 / 1.5	0.576 SCSI Only	0.648 SCSI Only
SATA Max Capacity (TB) HA / Single	-	28	14	7	-	-	-	-	-	-	-
Max Loops HA / Single	8 / 8	8 / 8	8 / 8	8 / 8	8 / 6	4 / 8	8 / 6	8 / 4	8 / 4	0	1
Max Disk Shelves HA / Single	24	24	12	6	16 / 12	12 / 8	16 / 12	16 / 12	12 / 8	0	2
Max Drive Quantity HA / Single (2)	672 / 336	336 / 168	168 / 84	84 / 42	224 / 168	168 / 112	224 / 168	224 / 168	168 / 112	8	18
Environmental	Height HA / Single	12U / 6U			5U					-	-
	Weight	105lb(47.7kg)			66lb (30kg)					90lb. (40.8kg) with all drives	-
	AC Power	100-120V 3.8A 200-240V 2.0A			100-240V 2.05 – 1A					100-120V 5.5A 200-240V 2.7A	-
	DC Power	48V			-40 to -60 3A					-	-
	Thermal	1,126BTU/hr			580 BTU/hr AC 721 BTU/hr DC					2048 BTU/hr	-
Platform Specifications	Processor	2 Intel 2.8GHz P4 Xeon (HT)	2 Intel 2.2GHz P4 Xeon	1 Intel 1.8GHz Xeon	1 Intel 2.0GHz Xeon	2 Intel 866MHz P3 Coppermine				-	-
	RAM (GB)	8	6	3	2	3	1	3	1	512MB	0.256
	NVRAM	512MB v5	256MB v4 or v5			128 MB v3					64MB v4 F87 Specific
	PCI/x/e Slots	1 - 32Bit PCIx 10 - 64 Bit PCIx	1 - 32Bit PCIx 10 - 64 Bit PCIx	1 - 32Bit PCIx 8 - 64 Bit PCIx	1 - 32Bit PCIx 8 - 64 Bit PCIx	3 - 32bit PCI 8 - 64bit PCI	1 - 32bit PCI 7 - 64bit PCI	3 - 32bit PCI 8 - 64bit PCI	1 - 32bit PCI 7 - 64bit PCI	1 - 32bit PCI 6 - 64bit PCI	3 - PCI
	Ether Ports Onboard	1 10/100 RJ45			1 - 10/100 RJ45					-	-
	FC Ports Onboard	-	-	-	-	-				-	-
	Data ONTAP® Min / Max Release	6.5H2R1 / -	6.3.3 / -	6.3.3 / -	6.4.4 / -	6.1.1 / 7.1.3	6.3 / 7.1.3	5.3.6H1 / 7.1.3	6.0.1R1 / 7.1.3	6.1.2 / 7.1.3	6.0.3 / 6.5.7

Please recycle after use. Feedback and questions can be sent to xdl-hardwareuniverse@netapp.com.



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NetApp Expanded Universe – Legacy Storage Systems – Side C – 05-15-2009

Storage Systems											
NetApp	F760*	F740*	F720	R200	R150	R100	NetApp	GF270c No IBM Model	GF980* No IBM Model	GF960* No IBM Model	
Front View							Front View				
EOA/EOS Dates	1-Aug-2003 28-Aug-2006	30-Apr-2004 30-Apr-2007	1-Aug-2003 28-Aug-2006	11-Mar-2007 11-Mar-2012	30-Apr-2003 31-Jan-2009	30-Apr-2003 30-Apr-2008	EOA/EOS Dates	30-Oct-2008 30-Nov-2013	9-Jun-2007 9-Jun-2012	5-May-2006 5-Jun-2011	
FC Max Capacity (TB) HA / Single	6 / 3	1 / 1	.5	-	-	-	Max Capacity (TB) Single / HA	16	48 / 96	24 / 48	
SATA Max Capacity (TB) HA / Single	-	-	-	168	24	12	MAX LUNs	56	336		
Max Loops HA / Single	- / -	- / -	- / -	- / 4	- / 2		Max LUN Size (GB)	1	1		
Max Disk Shelves HA / Single	-	-	-	- / 24 SATA	9 SCSI or 5 SCSI & 3 AT	- / 7 SCSI	Min Root LUN Size (GB) Single / HA	16	37 / 37	31 / 31	
Max Drive Quantity HA / Single (2)	-	-	-	- / 336	108 SCSI or 102 SCSI & AT	- / 96 SCSI	Min Spare Core LUN Size (GB)	2 x 1.5	11 / 11	8 / 8	
Environmental	Height HA / Single	5U		6U		5U	Height	3U	6U		
	Weight	-		105lb (47.7kg)		66lb (30kg)	Weight	60.5lb	105lb(47.7kg)		
	AC Power	100-120V 4.0A 200-240V 2.0A		100-120V 3.8A 200-240V 2.0A		100-120V 2A 200-240V 1.2A	AC Power	100-120V 2.2A 200-240V 1.1A	100-120V 3.8A 200-240V 2.0A		
	DC Power	-40 to -60 7.5A		-	-	-	DC Power	-			
	Thermal	1025 BTU/hr AC -		1,126 BTU/hr	1,126 BTU/hr	580 BTU/hr AC 721 BTU/hr DC	Thermal	840 BTU/hr	1,126BTU/hr		
Platform Specifications	Processor	1 Alpha 600 MHz	1 Alpha 400 MHz	1 Alpha 400 MHz	2 Intel 2.2GHz P4 Xeon	2 Intel 2.2GHz P4 Xeon	2 Intel 866MHz P3 Coppermine	Processor	2 BCM1250 650MHz MIPS	2 Intel 2.8GHz P4 Xeon (HT)	2 Intel 2.2GHz P4 Xeon
	RAM (GB)	1 GB	512 MB	256 MB	6	6	3	RAM (GB)	2	8	6
	NVRAM	32 MB V2	32 MB V2	8 MB V2	256MB v4	256MB v4	128MB v3	NVRAM	128MB	512MB v5	256MB v4 or v5
	PCI/x/e Slots	9 - PCI	9 - PCI	4 - PCI	1 - 32Bit PCIx 10 - 64 Bit PCIx	1 - 32Bit PCIx 10 - 64 Bit PCIx	3 - 32bit PCI 8 - 64bit PCI	PCI/x/e Slots	-	1 - 32Bit PCIx 10 - 64 Bit PCIx	1 - 32Bit PCIx 10 - 64 Bit PCIx
	Ether Ports Onboard	1 - 10/100 RJ45		1 - 10/100 RJ45				Ether Ports Onboard	4 GbE RJ45	1 10/100 RJ45	
	FC Ports Onboard	1 - 1 Gb GBIC						FC Ports Onboard	4 2Gb SFP		
	Data ONTAP® Min / Max Release	- / 6.5.7		6.5 / -	6.4 / 7.1.3	6.2 / 7.1.3		Data ONTAP® Min / Max Release	6.5.1 / -	6.5.3 / -	6.5 / -

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NetApp Expanded Universe – Legacy Storage Systems – Side D – 05-15-2009

Storage Systems				NearStore VTL Systems		
NetApp	GF940* No IBM Model	GF920* No IBM Model	GF825* No IBM Model	NetApp	VTL1200	VTL 600
Front View				Front View		
EOA/EOS Dates	4-Nov-2005 4-Nov-2010	4-Nov-2005 4-Nov-2010	29-Oct-2004 28-Oct-2009	EOA/EOS Dates	06-May-2007 06-Jun-2012	06-May-2007 06-Jun-2012
Max Capacity (TB) Single / HA	12 / 24	6 / 12	3	System Capacity Raw Maximum	168TB	84TB
MAX LUNs	336	168	84	Max Sustained Write	1,000 MB/s	500 MB/s
Max LUN Size (GB)	1		0.5	Max Sustained Read	1,140 MB/s	570 MB/s
Min Root LUN Size (GB) Single / HA	23 / 23	20 / 20	-	Max # of Virtual Tapes	20,000	10,000
Min Spare Core LUN Size (GB)	4 / 4	3 / 3	-	Max # of Virtual Drives	3,000	1,500
Environmental	Height	6U		Max # of Virtual Libraries	512	256
	Weight	105lb(47.7kg)		Max SATA Drives	168	168
	AC Power	100-120V 3.8A 200-240V 2.0A		Height	6U	3U
	DC Power	-		Weight	136lb (61.68kg)	68lb (30.84kg)
Platform Specifications	Thermal	1,126BTU/hr		AC Power	100-120V 6.0A 200-240V 3.2A	100-120V 3.0A 200-240V 1.6A
	Processor	1 Intel 1.8GHz Xeon	1 Intel 2.0GHz Xeon	Thermal	1,706 BTU/hr	853 BTU/hr
	RAM (GB)	3	2	Processor	2 - Intel 2.8GHz Xeon	1 - Intel 2.8GHz Xeon
	NVRAM	256MB v4 or v5		RAM	4GB	2GB
	PCI/x/e Slots	1 - 32Bit PCIx 8 - 64 Bit PCIx	1 - 32Bit PCIx 8 - 64 Bit PCIx	PCI Slots (Usable)	6 – PCI-X	3 – PCI-X
	Ether Ports Onboard	1 10/100 RJ45		Ethernet (Usable)	2 - GbE RJ45	1 - GbE RJ45
	FC Ports Onboard	-		FC Ports	8 - 2Gb SFP	4 - 2Gb SFP
	Data ONTAP® Min / Max Release	6.5 / -	6.5.1 / -	VTL OS Min / Max Release	4.1	4.1

Terms and Abbreviations

EOA – End of Availability
 EOS – End of Support
 BTU – British Thermal Unit
 Cu – Copper Connector
 FAS – Fabric-Attached Storage
 FC – Fibre Channel
 GbE – Gigabit Ethernet
 HA – High Availability
 NVRAM – Non-Volatile RAM
 Op – Optical Connector
 SAS – Serial-attached SCSI
 SATA – Serial ATA
 SFE – S Family Edition
 SFP – Small Form-Factor Pluggable
 VAC – Volts Alternating Current

Notes

* Unless otherwise indicated, HA doubles the annotated specification.

¹ System capacity is calculated using base 10 arithmetic (i.e. 1TB=1,000,000,000 bytes) and is derived based on the type, size, and number of drives.

Please refer to the Site Requirements Guide on the NOW site for worst-case thermal dissipation values.

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EOA/EOS dates

 > 12 months until HW EOS
 < 12 months until HW EOS
 = Past HW EOS

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