







ETERNUS Hybrid Storage Systems Comparison Chart

Legend N/A: Not Available -: Not Applicable Yes: Supported

	Entry		Mid-range		Enterprise	
	ETERNUS DX60 S4 3.5 inch base unit/2.5 inch base unit	ETERNUS DX100 S4 3.5 inch base unit/2.5 inch base unit	ETERNUS DX200 S4 3.5 inch base unit/2.5 inch base unit	ETERNUS DX500 S4		ETERNUS DX600 S4
						







Hardware Specifications

Type	Rack mount		Rack mount		Rack mount		Rack mount	Rack mount	Rack mount	
Number of controllers	1	2	1	2	1	2	2	2	2-24	
Fibre Channel	4Gbit/s / 8Gbit/s / 16Gbit/s		4Gbit/s / 8Gbit/s / 16Gbit/s / 32Gbit/s		4Gbit/s / 8Gbit/s / 16Gbit/s / 32Gbit/s		4Gbit/s / 8Gbit/s / 16Gbit/s / 32Gbit/s	4Gbit/s / 8Gbit/s / 16Gbit/s / 32Gbit/s	4Gbit/s / 8Gbit/s / 16Gbit/s / 32Gbit/s	
iSCSI	1Gbit/s [1000 BASE-T] / 10Gbit/s [10G BASE-T]		1Gbit/s [1000 BASE-T] 10Gbit/s [10GBASE-SR, 10GBASE-CR, 10GBASE-T]		1Gbit/s [1000 BASE-T] 10Gbit/s [10GBASE-SR, 10GBASE-CR, 10GBASE-T]		1Gbit/s / 10Gbit/s	1Gbit/s / 10Gbit/s	1Gbit/s / 10Gbit/s	
SAS	6Gbit/s / 12Gbit/s		6Gbit/s / 12Gbit/s		6Gbit/s / 12Gbit/s		-	-	-	
Ethernet (NAS)	-		1Gbit/s / 10Gbit/s		1Gbit/s / 10Gbit/s		1Gbit/s / 10Gbit/s	1Gbit/s / 10Gbit/s	-	
Host interface type	CIFS [SMB 2.0]	-	-	Yes	-	Yes	Yes	Yes	-	
	CIFS [SMB 2.1]	-	-	Supporting following functions.	-	Supporting following functions. - large MTU	Supporting following functions. - large MTU	Supporting following functions. - large MTU	-	
	CIFS [SMB 3.0]	-	-	Supporting following functions.	-	Supporting following functions. - SMB Encryption	Supporting following functions. - SMB Encryption	Supporting following functions. - SMB Encryption	-	
	NFS [NFS v2/3]	-	-	Yes	-	Yes	Yes	Yes	-	
	NFS [NFS v4]	-	-	Supporting following functions. - Stateful protocol - NFSv4 ACL	-	Supporting following functions. - Stateful protocol - NFSv4 ACL -File lock	Supporting following functions. - Stateful protocol - NFSv4 ACL -File lock	Supporting following functions. - Stateful protocol - NFSv4 ACL -File lock	-	
	FTP	-	-	Yes	-	Yes	Yes	Yes	-	
FXP	-	-	Yes	-	Yes	Yes	Yes	-		
Number of host interfaces	Fibre Channel 16G	2	4	2 or 4	4 or 8	2 or 4	4 or 8	4-16	4-32 (4-16 for 100V model)	4-384
	Fibre Channel 32G	-	-	2 or 4	4 or 8	2 or 4	4 or 8	4 or 8	4-16 (4/8 for 100V model)	4-384
	iSCSI	2	4	2 or 4	4 or 8	2 or 4	4 or 8	4 or 8	4-16 (4/8 for 100V model)	4-192
	SAS	2	4	2 or 4	4 or 8	2 or 4	4 or 8	-	-	-
	Ethernet 1G (NAS)	-	-	-	8 or 16	-	8 or 16	4-16	4-32 (4-16 for 100V model)	-
Ethernet 10G (NAS)	-	-	-	4 or 8	-	4 or 8	4 or 8	4-16 (4/8 for 100V model)	-	
Mixed host interface	-		Yes		Yes		Yes	Yes	Yes	
Maximum system memory	8GB		32GB		64GB		256GB	512GB	18PB(1,536GB/CE)	
Extreme Cache (EXC) Capacity	-		-		-		1.4 - 5.6 TB (Excluding 100V model)	1.4 - 5.6 TB (Excluding 100V model)	1.6-307.2TB	
Extreme Cache Pool Capacity	-		1.6TB (Only SSD400GB)		1.6TB (Only SSD400GB)		3.2TB (Only SSD400GB)	3.2TB (Only SSD400GB)	-	
Number of Fronted Enclosure	-		-		-		-	-	1	
Number of DEs(Drive Enclosure)	Max. 3		Max. 10 (2.5+3.5DE) Only 2.5 DE: Max.5 Only 3.5 DE: Max.10	Max. 10 (2.5+3.5DE+HD-DE) Only 2.5 DE: Max.5 Only 3.5 DE: Max.10 Only HD-DE: Max.2	Max. 10 (2.5+3.5DE) Only 2.5 DE: Max.10 Only 3.5 DE: Max.10	Max. 10 (2.5+3.5DE+HD-DE) Only 2.5 DE: Max.10 Only 3.5 DE: Max.10 Only HD-DE: Max. 4	Max. 22 (2.5+3.5DE+HD-DE) Only 2.5 DE: Max.22 Only 3.5 DE: Max.22 Only HD-DE: Max.8	Max. 44 (2.5+3.5DE+HD-DE) Only 2.5 DE: Max.44 Only 3.5 DE: Max.44 Only HD-DE: Max.16	Max. 180 Only 2.5 DE: Max. 180 Only 3.5 DE: Max. 180 Only HD-DE: Max.96	
Mixed 2.5/3.5/HD-DE	2.5"DE/3.5"DE		2.5"DE/3.5"DE	2.5/3.5/HD-DE	2.5"DE/3.5"DE	2.5/3.5/HD-DE	2.5/3.5/HD-DE	2.5/3.5/HD-DE	2.5/3.5/HD-DE	
Reverse cabling of DE	Yes		Yes		Yes		Yes	Yes	Yes	
Number of Disk drives	per system	Max. 96 Max. no. of SSDs is eight		Max. 144		Max. 264		Max. 528	Max. 1056	Max.6,912
	per 2.5 DE	24		24		24		24	24	24
	per 3.5 DE	12		12		12		12	12	12
	per High Density DE (HD-DE)	-		-	60	-	60	60	60	60

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V24:
2019/4/23

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			Entry			Mid-range		Enterprise	
			ETERNUS DX60 S4 <small>3.5 inch base unit/2.5 inch base unit</small>	ETERNUS DX100 S4 <small>3.5 inch base unit/2.5 inch base unit</small>	ETERNUS DX200 S4 <small>3.5 inch base unit/2.5 inch base unit</small>	ETERNUS DX500 S4	ETERNUS DX600 S4	ETERNUS DX8900 S4	
									
Supported disk drives	2.5" CE/DE	SAS	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF [Advanced Format disk drive]) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	900GB (15,000rpm) 600GB (15,000rpm) 300GB (15,000rpm) 2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm) 600GB (10,000rpm) 300GB (10,000rpm)	
		SAS (SED)	-	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)	2.4TB (10,000rpm, AF) 1.2TB (10,000rpm)
		Nearline SAS	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF) 1TB (7,200rpm)	2TB (7,200rpm, AF)
		Enterprise SSD	3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB	30.72TB 15.36TB 7.68TB 3.84TB 1.92TB 960GB 400GB
		Enterprise SSD (SED)	-	7.68TB 3.84TB 1.92TB 400GB	7.68TB 3.84TB 1.92TB 400GB	7.68TB 3.84TB 1.92TB 400GB	7.68TB 3.84TB 1.92TB 400GB	7.68TB 3.84TB 1.92TB 400GB	7.68TB 3.84TB 1.92TB
	3.5" CE/DE	SAS	2.4TB (10,000rpm, AF) 1.8TB (10,000rpm, AF) 1.2TB (10,000rpm) 900GB (10,000rpm)	-	-	-	-	-	
		Nearline SAS	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm)
		Nearline SAS (SED)	-	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)
		Enterprise SSD	400GB	3.84TB 1.92TB 960GB 400GB	3.84TB 1.92TB 960GB 400GB	3.84TB 1.92TB 960GB 400GB	3.84TB 1.92TB 960GB 400GB	3.84TB 1.92TB 960GB 400GB	-
		Enterprise SSD (SED)	-	3.84TB 1.92TB 400GB	3.84TB 1.92TB 400GB	3.84TB 1.92TB 400GB	3.84TB 1.92TB 400GB	3.84TB 1.92TB 400GB	-
	HD-DE	SAS	-	-	1.2TB (10,000rpm)	-	1.2TB (10,000rpm)	1.2TB (10,000rpm)	-
		Nearline SAS	-	-	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	-	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 10TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm) 2TB (7,200rpm)	14TB (7,200rpm, AF) 12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 6TB (7,200rpm, AF) 4TB (7,200rpm)
		Nearline SAS (SED)	-	-	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	-	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)	12TB (7,200rpm, AF) 8TB (7,200rpm, AF) 4TB (7,200rpm)
		Enterprise SSD	-	-	3.84TB 1.92TB	-	3.84TB 1.92TB	3.84TB 1.92TB	-
	Maximum storage capacity (with expansion, depending on drive type)			672TB	4,424 TB	8,110 TB	16,220 TB	32,440 TB	141PB

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		ETERNUS DX60 S4		ETERNUS DX100 S4		ETERNUS DX200 S4		ETERNUS DX500 S4		ETERNUS DX600 S4		ETERNUS DX8900 S4	
		3.5 inch base unit/2.5 inch base unit		3.5 inch base unit/2.5 inch base unit		3.5 inch base unit/2.5 inch base unit							
													
Dimensions	Width	482mm		482mm		482mm		482mm		482mm		482mm	
	Depth	2.5" DE: 540mm 3.5" DE: 560mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm 2.5" CE: 645mm 3.5" CE: 670mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm CE: 805mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm CE: 805mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm CE: 788mm FE: 816mm	2.5" DE: 540mm 3.5" DE: 560mm HD-DE: 980mm CE: 788mm FE: 816mm	
	Height	CE: 88mm[2U] DE: 88mm [2U]	CE: 88mm[2U] DE: 88mm [2U]	CE: 88mm[2U] DE: 88mm [2U]	CE: 88mm[2U] DE: 88mm [2U] HD-DE:176mm [4U]	CE: 88mm[2U] DE: 88mm [2U]	CE: 88mm[2U] DE: 88mm [2U] HD-DE:176mm [4U]	CE: 88mm[2U] DE: 88mm [2U] HD-DE:176mm [4U]	DE: 88mm [2U] HD-DE:176mm [4U] CE: 133mm [3U]	DE: 88mm [2U] HD-DE:176mm [4U] CE: 133mm [3U]	DE: 88mm [2U] HD-DE:176mm [4U] CE: 133mm [3U] FE: 218mm [5U]	DE: 88mm [2U] HD-DE:176mm [4U] CE: 133mm [3U] FE: 218mm [5U]	
	Weight	2.5"DE/3.5"DE:35kg CE:35kg	2.5"DE/3.5"DE:35kg CE:35kg	2.5"DE/3.5"DE:35kg CE:35kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:35kg	2.5"DE/3.5"DE:35kg CE:35kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:35kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:35kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:54kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:54kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:54kg	2.5"DE/3.5"DE:35kg HD-DE:100kg CE:54kg	
Maximum weight	140kg		385kg		470kg		994kg		1,934kg		12,880kg		
AC power	Voltage	AC100V-120V/AC200- 240V		AC100V-120V/AC200- 240V		AC100V-120V/AC200- 240V		AC100V-120V/AC200- 240V		AC100V-120V/AC200- 240V		AC200- 240V	
	Phase	Single phase		Single phase		Single phase		Single phase		Single phase		Single phase	
	Frequency	50Hz or 60Hz		50Hz or 60Hz		50Hz or 60Hz		50Hz or 60Hz		50Hz or 60Hz		50Hz or 60Hz	
Maximum power consumption	AC100-120V	1,900 [W]		4,170 [W]		6,720 [W]		13,210 [W]		26,320 [W]		-	
	AC200-240V	1,890 [W]		4,170 [W]		6,720 [W]		13,320 [W]		26,520 [W]		168,560 [W]	
Power plug type	AC100-120V	NEMA 5-15P NEMA L6-15P		NEMA 5-15P NEMA L6-15P		NEMA 5-15P NEMA L6-15P		NEMA 5-15P NEMA L6-15P		NEMA 5-15P NEMA L6-15P		-	
	AC200-240V	NEMA L6-20P (ACS) NEMA L6-30P (ACS)		NEMA L6-20P (ACS) NEMA L6-30P (ACS)		NEMA L6-20P (ACS) NEMA L6-30P (ACS)		NEMA L6-20P (ACS) NEMA L6-30P (ACS)		NEMA L6-20P (ACS) NEMA L6-30P (ACS)		NEMA L6-15P NEMA L6-20P (ACS) NEMA L6-30P (ACS)	

Functional Specifications

Data Protection														
RAID levels	RAID0	Yes		Yes		Yes		Yes		Yes		Yes		
	RAID1	Yes		Yes		Yes		Yes		Yes		Yes		
	RAID1+0	Yes		Yes		Yes		Yes		Yes		Yes		
	RAID5	Yes		Yes		Yes		Yes		Yes		Yes		
	RAID5+0	Yes		Yes		Yes		Yes		Yes		Yes		
	RAID6	Yes		Yes		Yes		Yes		Yes		Yes		
Data block guard	Yes		Yes		Yes		Yes		Yes		Yes			
Data encryption	-		Yes		Yes		Yes		Yes		Yes			
Cache protection	Yes		Yes		Yes		Yes		Yes		Yes			
Disk drive patrol	Yes		Yes		Yes		Yes		Yes		Yes			
Global hot spare	Yes		Yes		Yes		Yes		Yes		Yes			
Dedicated hot spare	Yes		Yes		Yes		Yes		Yes		Yes			
Fast recovery	Yes		Yes		Yes		Yes		Yes		Yes			
Storage Cluster	-		Yes		Yes		Yes		Yes		Yes			
NAS Data Store	Maximum capacity	-		256TB		-		512TB		512TB		1024TB		
	No. of NAS Volumes	-		4 (2 x operations, 2 x backups)		-		8 (4 x operations, 4 x backups)		8 (4 x operations, 4 x backups)		16 (8 x operations, 8 x backups)		
	Block size	-		8, 32, or 256KB		-		8, 32, or 256KB		8, 32, or 256KB		8, 32, or 256KB		
Copy														
Advanced Copy function	Available Copy under SAN environment	EC/OPC/QuickOPC/ SnapOPC/SnapOPC+		EC/OPC/QuickOPC/ SnapOPC/SnapOPC+		EC/OPC/QuickOPC/ SnapOPC/SnapOPC+		EC/OPC/QuickOPC/ SnapOPC/SnapOPC+		EC/OPC/QuickOPC/ SnapOPC/SnapOPC+		EC/OPC/QuickOPC/SnapOPC/SnapOPC+		
	Available Copy under NAS environment	-		QuickOPC/SnapOPC+		-		QuickOPC/SnapOPC+		QuickOPC/SnapOPC+		QuickOPC/SnapOPC+		
	Copy management software	ETERNUS SF AdvancedCopy Manager/ ETERNUS SF Express (SnapOPC+only) ETERNUS VSS Hardware Provider		ETERNUS SF AdvancedCopy Manager/ ETERNUS SF Express (SnapOPC+only) ETERNUS VSS Hardware Provider		ETERNUS SF AdvancedCopy Manager/ ETERNUS SF Express (SnapOPC+only) ETERNUS VSS Hardware Provider		ETERNUS SF AdvancedCopy Manager/ ETERNUS VSS Hardware Provider		ETERNUS SF AdvancedCopy Manager/ ETERNUS VSS Hardware Provider		ETERNUS SF AdvancedCopy Manager/ ETERNUS VSS Hardware Provider		
Remote Advanced Copy function	Copy management software	-		REC (both SAN and copied NAS volume)		-		REC (both SAN and copied NAS volume)		REC (both SAN and copied NAS volume)		REC (both SAN and copied NAS volume)		
	Copy management software	-		ETERNUS SF AdvancedCopy Manager		-		ETERNUS SF AdvancedCopy Manager		ETERNUS SF AdvancedCopy Manager		ETERNUS SF AdvancedCopy Manager		
Data Migration														
Online Storage Migration	Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Offline Storage Migration	Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Non-disruptive Storage Migration	Yes		Yes		Yes		Yes		Yes		Yes		Yes	

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Energy saving										
Eco-mode (MAID)		Yes		Yes		Yes		Yes	Yes	Yes
Management software for Eco-mode		ETERNUS SF Storage Cruiser/ ETERNUS SF Express		ETERNUS SF Storage Cruiser/ ETERNUS SF Express		ETERNUS SF Storage Cruiser/ ETERNUS SF Express		ETERNUS SF Storage Cruiser	ETERNUS SF Storage Cruiser	ETERNUS SF Storage Cruiser
Virtualization										
Thin Provisioning function		N/A	Yes	N/A	Yes	N/A	Yes	Yes	Yes	Yes
Management software for Thin Provisioning		-	ETERNUS SF Storage Cruiser/ ETERNUS SF Express	-	ETERNUS SF Storage Cruiser/ ETERNUS SF Express	-	ETERNUS SF Storage Cruiser/ ETERNUS SF Express	ETERNUS SF Storage Cruiser	ETERNUS SF Storage Cruiser	ETERNUS SF Storage Cruiser
Thin Provisioning		-	48	-	72	-	132	256	256	256
Number of pool (Thin Provisioning Pool+Flexible Tier Sub Pool)										
De-duplication ^{*1}		-		-		Yes		Yes	Yes	-
Compression ^{*1}		-		-		Yes		Yes	Yes	Yes
Automated tiering (Flexible tier)		-		N/A	Yes (with Storage Cruiser Optimization Option)	N/A	Yes (with Storage Cruiser Optimization Option)	Yes (with Storage Cruiser Optimization Option)	Yes (with Storage Cruiser Optimization Option)	Yes (with Storage Cruiser Optimization Option)
Dynamic configuration										
RAID migration		Yes		Yes		Yes		Yes	Yes	Yes
Logical Device Expansion(LDE)		Yes		Yes		Yes		Yes	Yes	Yes
LUN concatenation		Yes		Yes		Yes		Yes	Yes	Yes
Performance										
Performance tuning		Yes		Yes		Yes		Yes	Yes	Yes
Stripe size		Yes		Yes		Yes		Yes	Yes	Yes
Cache partitioning		Yes		Yes		Yes		Yes	Yes	Yes
Wide striping		Yes		Yes		Yes		Yes	Yes	Yes
Quality of Service		-		Yes (with Storage Cruiser Quality of Service Management Option)		Yes (with Storage Cruiser Quality of Service Management Option)		Yes (with Storage Cruiser Quality of Service Management Option)	Yes (with Storage Cruiser Quality of Service Management Option)	Yes (with Storage Cruiser Quality of Service Management Option)
I/O offload		-		-		-		-	-	-
Security Features										
HTTPS(SSL)		Yes		Yes		Yes		Yes	Yes	Yes
SSH		Yes(v2 only)		Yes(v2 only)		Yes(v2 only)		Yes(v2 only)	Yes(v2 only)	Yes
iSCSI		CHAP, Bidirectional CHAP		CHAP, Bidirectional CHAP		CHAP, Bidirectional CHAP		CHAP, Bidirectional CHAP	CHAP, Bidirectional CHAP	CHAP, Bidirectional CHAP
Authentication server		RADIUS		Yes		Yes		Yes	Yes	Yes
Role based access control		Yes		Yes		Yes		Yes	Yes	Yes
Audit log		Yes		Yes		Yes		Yes	Yes	Yes
Key management server linkage		N/A		Yes		Yes		Yes	Yes	Yes
Serviceability										
Non-disruptive firmware upgrade		Yes		Yes		Yes		Yes	Yes	Yes
Easy firmware upgrade		Yes(only Update & Reboot Mode)	Yes	Yes(only Update & Reboot Mode)	Yes	Yes(only Update & Reboot Mode)	Yes	Yes	Yes	Yes
Hot part replace		Yes		Yes		Yes		Yes	Yes	Yes
Hot part expansion		Yes		Yes		Yes		Yes	Yes	Yes
Field model upgrade		Yes		Yes		N/A		Yes	N/A	-
System Management										
Remote installation		Yes		Yes		Yes		Yes	Yes	Yes

This matrix is correct as of dated right above. Contents are subject to change without notice.

*1: Deduplication/Compression is not supported when Unified function is enabled.