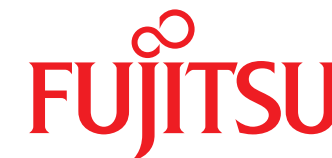


# Online Storage Systems



## ETERNUS® DX Series



Model	ETERNUS DX60	ETERNUS DX100 / DX200	ETERNUS DX500 / DX600	ETERNUS DX900	ETERNUS DX8900
<b>Type</b>	The Economy Disk Storage System for SMBs	Unified disk storage system for small and mid-range enterprises			Enterprise Storage without Limits
<b>Host Interfaces</b>	8 / 16 Gbps FC, 1 / 10 Gbps iSCSI, 6 / 12 Gbps SAS	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI, 6 / 12 Gbps SAS, 1 / 10 Gbps Ethernet	8 / 16 / 32 Gbps FC, 10 Gbps FCoE, 1 / 10 Gbps iSCSI, 1 / 10 Gbps Ethernet	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI	8 / 16 / 32 Gbps FC, 1 / 10 Gbps iSCSI
<b>Max. system memory</b>	16 GB	32 GB / 128 GB	512 GB / 768 GB	3 TB	18 TB
<b>Max. Disk Drives</b>	48 / 96 x Nearline SAS and SAS in mixed configuration (3.5" / 2.5") / incl. 8 SSD max.	144 / 264 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")	576 / 1,056 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")	2304 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")	6,912 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")
<b>Max. raw capacity SSD</b>	31 TB	4,424 / 8,110 TB	17,695 / 32,440 TB	70,779 TB	141,558 TB
<b>Max. raw capacity HDD</b>	576 TB	2,016 / 3,696 TB	7,786 / 14,506 TB	31,699 TB	93,312 TB
<b>Max. Host Interfaces</b>	4	16	16 / 32	64	384
<b>No. of connect. hosts</b>	Max. 128	Max. 1,024	Max. 4,096	Max. 8,192	Max. 8,192
<b>RAID Level</b>	0, 1, 1+0, 5, 5+0, 6				
<b>Thin Provisioning &amp; AST</b>	Thin Provisioning: ✓ AST: -	✓	✓	✓	✓
<b>Transparent Failover &amp; Auto QoS</b>	-	✓	✓	✓	✓
<b>Remote Replication</b>	-	✓	✓	✓	✓
<b>Deduplication / compression</b>	-	- / x	x / x	- / x	- / x
<b>Storage Management</b>	ETERNUS SF V16 Storage Management Software suite to achieve business continuity and to optimize storage resources.				

## ETERNUS AF Series



Model	ETERNUS AF150	ETERNUS AF250	ETERNUS AF650
<b>CPU</b>	4 core, 2.2 GHz	8 core, 2.2 GHz	12core, 2.6 GHz
<b>Max. System Memory</b>	32 GB	128 GB	1536 GB
<b>Number of drives</b>	2 - 24	2-264	2 - 1056
<b>Max. Capacity<sup>1</sup></b>	92 TB raw	8,110 TB raw, 40,550TB effective <sup>2</sup>	32,440 TB raw, 162,200 TB effective <sup>2</sup>
<b>Interface</b>	8 x FC 16G / 8 x iSCSI 10G	8 x FC 32G / 16x FC 16 G/ 8x iSCSI 10G	32 x FC 32G / 32 x FC 16G / 16 x iSCSI 10G
<b>Included Software</b>	ETERNUS SF Express	All-in FlashPack (Configuration, Management and Administration, Local and Remote Copy, Automated Quality of Service, Deduplication and Compression)	

## NetApp FAS, Solid Fire, AFF Series (Hybrid / All Flash)



Model	FAS			Solid Fire			Model	AFF			
	FAS2650 / FAS2620	FAS2750 / FAS2720	FAS8200 / FAS9000	H-610S-1 node	H-610S-2 node	H-610S-4 node		AFF A220	AFF A300 / A320/A700 / A800	AFF A700s Node	AFF C190
<b>Type</b>	Unified, Hybrid, Scale-Out Storage			Block, All Flash, Scale-Out Storage			Unified, All Flash, Scale-Out Storage				
<b>Max. Capacity</b>	1,243 – 1,440 TB		4.8 - 14.4 PB	11.52 TB	23.04 TB	46.08 TB	1,728	4,608 / 576 / 5,760 / 2,880	2,592	24	
<b>Effective Capacity<sup>6</sup></b>	Depends on usage of NetApp's efficiency features			19.64 TB	39.28 TB	78.57 TB	193.3 PB	562.2 PB / 35 PB / 702.7 PB / 316.3 PB	316.3 PB	50TiB <sup>5</sup>	
<b>Protocols</b>	FC, FCoE, iSCSI, NFS, pNFS, CIFS / SMB			iSCSI			FC, FCoE, iSCSI, NFS, pNFS, SMB				
<b>Data Protection</b>	RAID TEC™, RAID DP®, Snapshot			Helix RAID-less			NetApp RAID DP, RAID-TEC and Snapshot technology				

<sup>1</sup>Maximum raw capacity depends on available SSD types | <sup>2</sup>Calculation based on deduplication/compression factor of five | <sup>3</sup>Higher numbers of nodes on special request | <sup>4</sup>Higher capacities on special request | <sup>5</sup>Effective capacity is based on 3:1 storage efficiency ratios

# Data Protection and Services



## ETERNUS CS800



Model	ETERNUS CS800	
	Entry / Flex	Scale
Type	Backup appliance	
Capacity (net usable)	8 – 24 TB / 16 – 280 TB	16 – 640 TB
Capacity (logical)	Up to 1.2PB / up to 6PB	Up to 20.0 PB
Hot Spare Option	No	Yes
NAS – supported protocols	CIFS, NFS	CIFS, NFS
NAS Shares (max.)	128	128
Partitions (max.)	64	64
Virtual Tape Cartridges (per partition)	61,000	61,000
Virtual Tape Drives (max.)	80 / 256	256
Performance	Up to 8.4 TB/h / 8.8 TB/h	Up to 13.9 TB/h
Performance (max. SPEED mode)	Up to 13.4 TB/h	Up to 22.0 TB/h
Standard software included	Deduplication, Replication, Path-to-Tape, OST	

## ETERNUS CS8000



Model	ETERNUS CS8000				
	CS8050 NAS	CS8050	CS8200	CS8400	CS8800
Type	Storage appliance for archiving	Branch-office backup	Central storage for backup, archive, second-tier and object data		
Capacity	28, 42, 56, 70 TB	14 TB	19 TB to 5.9 PB	19 TB to 96 PB / 38 TB to 96 PB	
VTL Front-end Ports	- (no VTL)	4 FC 32 GB	4 to 8 FC 32 Gb / FICON 32 Gb	4 to 84 FC 32 Gb / FICON 32 Gb	
Virtual Tape Drives	-	max. 32	32 to 64	32 to 5,208	
Performance (max.)	-	1.4 TB/h	30 TB/h	150 TB/h	
Internal VTL Deduplication Store Option (usable)	-	7 TB, 14 TB	1 to 480 TB	1 TB to 4.8 PB	
NAS Front-end Ports	2 to 4	- (no NAS)	4 to 8	4 to 84	
NAS Shares (max.)	256	-	2,048	2,048	
Number of Inodes	200 Million	-	2 Billion	2 Billion	
Back-end Tape Libraries	-	1	10	10	

## Commvault® Appliance



Model	RO1100	HS1300	HS3300
Type	Integrated Backup Appliance		
Usable Capacity	5, 14.5 TB	29, 43, 58, 87 TB	174, 262 TB
Ethernet Ports	4 x 1 Gbps + 2 x 10 Gbps	6 x 10 Gbps, 6 x 1 Gbps, 3 x 1 Gbps iRMC	6 x 10 Gbps
FC Ports	2 x 16 Gbps (optional)	Up to 6 x 16 Gbps (optional)	6 x 16 Gbps
Tapeout	Optional SAS 12 Gbps, FC 16 Gbps		6 x 16 Gbps FC 6 x 12 Gbps SAS
Scalability	Yes - parallel operation of appliances	Scale-out architecture, scalable up to Pbytes of capacity	
Data protection performance	SSD, NVMe		
Data protection functions	Backup & recovery, deduplication, archiving, encryption, application support, snapshot, replication, tape attachment, cloud backup		
Supported environments	Physical, virtual and NAS / NDMP systems		

## Tape Systems



Model	ETERNUS LT20	ETERNUS LT140	ETERNUS LT260
Type	LTO-6 / LTO-7 / LTO-8	LTO-6 / LTO-7 / LTO-8	LTO-6 / LTO-7 / LTO-8
Max. Capacity (native)	20 - 96 TB	3,360 TB	6,720 TB
Cartridges (max.)	8	280	560
Drives (max.)	1	21	42
Interfaces	SAS, FC	SAS, FC	SAS, FC
Note	-	-	-

## Commvault Reference Architecture



Model	Reference Architecture for Commvault HyperScale™ Software
Type	Reference Architecture
Usable Capacity	up to 288 TB per block
Ethernet Ports	6 x 10 Gbps, 6 x 1 Gbps, 3 x 1 Gbps iRMC
FC Ports	up to 2 x FC 8 Gbps (optional)
Tapeout	FC, SAS (optional)
Scalability	Scale-out architecture, scalable up to PBytes of capacity
Data protection functions	Commvault HyperScale™ Software, Commvault Complete™ Backup & Recovery
Supported environments	Physical, virtual and NAS / NDMP systems

## Veritas NetBackup appliance



Model	NetBackup Virtual Appliance	NetBackup 5240		NetBackup 5340
Type	Master/Media Server for Remote Offices and Branch Offices	Master or Media Server	Media Server with additional Storage	Media Server with additional Storage
Usable Capacity	2 TB	4 – 27 TB	53 – 294 TB	120 – 1920 TB
Ethernet Ports	1 x 10 GbE (virtual interface on deployment)	Up to 8 x 1 Gbps Up to 8 x 10 Gbps		4 x 1 Gbps 2 to 10 x 10 Gbps
iSCSI ports	-	Up to 2 x 10 Gbps		-
FC Ports	-	Up to 10 x 8 Gbps		Up to 8 x 8 Gbps
Tapeout	-	FC 8 Gbps		FC 8 Gbps
Scalability	Up to 100+ media server can be managed by one master server			
Database performance	Up to 192 concurrent backup jobs		Up to 600 concurrent backup job	
Data protection functions	Backup & recovery, application support, snapshot, replication, deduplication, tape attachment, cloud backup	Backup & recovery, application support, snapshot, replication, deduplication, tape attachment, cloud backup		
Supported environments	physical, virtual and NAS/NDMP systems	Physical, virtual and NAS/NDMP systems		

Contact  
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 Contact Form: us.fujitsu.com/ContactFujitsu Have a question? Email us at: AskFujitsu@us.fujitsu.com

Note: The virtual appliance is deployable in existing VMware® Infrastructures NetBackup Virtual Appliance is available as Master/Media Server for Remote Offices and Branch Offices, capacity up to 2 TB. The virtual appliance is deployable in existing VMware Infrastructures

## Storage Software

Commvault Software: By leveraging a single unified code base and platform, Commvault software simplifies an IT organizations ability to manage data across its lifecycle for Backup & Recovery, Archive, Replication, and Analytics.

NetBackup: Simplifies the protection of your information driven enterprise by automating advanced technologies and standardizing operations across applications, platforms, and virtual environments.

Enterprise Vault: The industry's most widely-deployed archiving solution, is a platform that bridges the gap between legal and IT by adding intelligence to the way organizations store, manage, and discover information.

More information about our software portfolio is available on: <https://www.fujitsu.com/us/products/computing/storage/software/>

## Services

FUJITSU hardware is marked by outstanding quality and paramount focus on business-centric design. To complete and ensure this over the entire lifecycle, Fujitsu offers a variety of Product Maintenance and Support Services safeguarding datacenter operations worldwide. Warranty comes standard with our products; Support Pack for Hardware or Software, our ServiceContract or SolutionPacks or SolutionContract are the perfect extension on top of the standard warranty. To help you right from the start, our InstallationPack ensures smooth IT operation while internal IT specialists can concentrate on their core business.

For more information regarding services please visit: <https://www.fujitsu.com/us/products/product-support-services/>

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