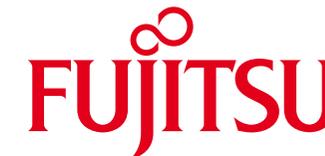


Online Storage Systems and Network Components



ETERNUS DX Family



Model	ETERNUS DX60 S2	ETERNUS DX80 S2 / DX90 S2	ETERNUS DX410 S2 / DX440 S2	ETERNUS DX8700 S2
Interfaces	Fibre Channel (4 / 2 / 1 Gbit/s), iSCSI (1 Gbit/s), SAS (3 Gbit/s)	Fibre Channel (8 / 4 / 2 Gbit/s), FCoE (10 Gbit/s), iSCSI (10 / 1 Gbit/s), SAS (6 / 3 Gbit/s)	Fibre Channel (8 / 4 / 2 Gbit/s), FCoE (10 Gbit/s), iSCSI (10 / 1 Gbit/s)	Fibre Channel (8 / 4 / 2 Gbit/s), FCoE (10 Gbit/s), iSCSI (10 / 1 Gbit/s)
Max. Drives	24 x SAS and Nearline SAS in mixed configuration	120 / 240 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")	480 / 960 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")	Up to 3,072 x SSD, SAS and Nearline SAS in mixed configuration (3.5" / 2.5")
Max. Capacity	72 TB	360 TB	720 / 1,440 TB	4,608 TB
No. of host interfaces	2 - 4	4 - 8	4 - 16 / 4 - 32	4 - 128
No. of connect. hosts	32 x FC / iSCSI or 4 x SAS	Max. 1,024	Max. 1,024	Max. 2,048
RAID Level			0, 1, 1+0, 5, 5+0, 6	
Thin Provisioning & AST	-	✓	✓	✓
Remote Replication	-	✓ for DX90 S2	✓	✓
Storage Management	ETERNUS SF software suite			

ETERNUS JX40



NetApp FAS & V-series



Model	ETERNUS JX40	Model	FAS2220	FAS2240	FAS3210 / FAS3240 / FAS3270	FAS6210 / FAS6240 / FAS6280	V3200 series / V6200 series
Type	Passive direct server attached drive extension (JBOD)	Type	NAS, iSCSI SAN		NAS, FC, SAN, iSCSI SAN		Open Storage Controller
Maximum Capacity	12 / 72 TB	Maximum Capacity	180 TB	432 TB	480 / 1,200 / 1,920 TB		2,400 / 2,880 / 2,880 TB
Hard Disks	1 - 144 SAS and SATA, 2.5" drives mixable in up to 6 shelves	Hard Disks	60	144	240 / 600 / 960		1,200 / 1,440 / 1,440
Protocols	SAS	Protocols	NFS, CIFS, iSCSI		NFS, CIFS, HTTP, FTP, FCP, iSCSI, FCoE		
RAID Level	1, 3, 5, 6, 1+0, 5+0 (with host-based controller)	RAID Type			Standard RAID levels + RAID DP		
Interfaces	SAS 6 Gbit/s	Interfaces	Ethernet		FC, Ethernet		
		Thin Provisioning & FlexCache	✓	✓	✓	✓	✓

Brocade Switches



Model	FC 8G Brocade 300 / 5100 / 5300	FC 16G Brocade 6505 / 6510	Brocade 7800, VDX6720, FCX 648S, FastIron WS 648G	Brocade Director Products
Type	FC Switches		IP / Ethernet / FC / FCoE Switches	Modular FC Director
Ports	B300: 8 Port (-16, -24; PoD*) B5100: 24 Port (-32, -40; PoD*) B5300: 48 Port (-64, -80; PoD*)	B6505: 12 Port (-24; PoD*) B6510: 24 Port (-36, -48; PoD*)	B7800: FCIP Router (FC to IP 1 GbE) B6720: DCB/FCoE Switch (24P; 1 / 10 GbE) FCX 648S: IP Switch (48P; 1 GbE; uplink: 2x 10 GbE) FastIron WS 648G: (48P; 1 GbE)	DCX-4S: FC Director 8 Gbit/s, 16-256 Ports DCX: FC Director 8 Gbit/s, 16-512 Ports 8510-4: FC Director 16 Gbit/s, 16-256 Ports 8510-8: FC Director 16 Gbit/s, 16-512 Ports
Speed	1, 2, 4, 8 Gbit/s	FC: 2, 4, 8, 10, 16 Gbit/s	FC: 2, 4, 8 Gbit/s; IP: 1, 10 GbE	FC8G: 1, 2, 4, 8, 10 Gbit/s; FCIP: IP: 1, 10 Gb FC16G: 2, 4, 8, 10, 16 Gbit/s; FCIP: IP: 1, 10 Gb

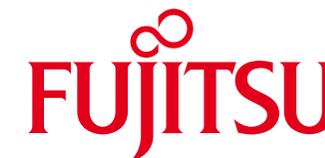
Cisco Switches



Model	FC Switches and Directors	Cisco Catalyst Series	Cisco Nexus 2000 / 3000 / 5500 / 7000
Type	FC Switches	IP Switches	Data Center Fabric Switches
Ports	MDS9124: 8 Port (-16, -24; PoD*) MDS9148: 24 Port (-36, -48; PoD*) MDS95xx: Slots 4 / 7 / 11; Ports: 12 -192 / -336 / -528 MDS9222: FCIP Router (18-66 Port FC4G + 4 Port IP 1G)	24-577	24-768 (Ethernet/FC/FCoE)
Speed	1, 2, 4, 8, 10 Gbit/s	10/100/1000 Mbit/s, 10 Gbit/s	1/10/40 Gbit/s, 100 Gbit/s ready 1/2/4/8 Gbit/s native FC

*Port on-Demand

Data Protection and Services



Tape Systems



Model	LTO Desktop Drive	ETERNUS LT20 S2	ETERNUS LT40 S2	ETERNUS LT60 S2	Scalar i500 / i6000	SL500 / SL3000* / SL8500*
Type	LTO-4 / LTO-5	LTO-3 / LTO-4 / LTO-5			LTO-3, LTO-4, LTO-5	LTO-4, LTO-5
Capacity (max.) (native)	0.8 / 1.5 TB	3.2 / 6.4 / 12 TB	9.6 / 19.2 / 36 TB	19.2 / 38.4 / 72 TB	613 / 8,064 TB	862 / 8,887 TB / 150 PB
Cartridges	1	2 x 4	2 x 12	4 x 12	409 / 5,376	575 / 5,925 / 100,000
Drives (max.)	1 HH	1 HH	1 FH / 2 HH	2 FH / 4 HH	18 / 96	18 / 56 / 640
Interfaces	SAS	SAS, FC			SCSI, FC, SAS / FC	SCSI, SAS, FC / FC / FC
Note	*also available with enterprise drive types T9840, T10000					

ETERNUS CS800



Model	ETERNUS CS800 NAS Series	ETERNUS CS800 VTL
Capacity	4 to 160 TB	32 to 160 TB
Host Ethernet and Replication Interface	5 or 7 x 1 GbE + 2 x 10 GbE	5 x 1 GbE
Fibre Channel Interface (VTL and Path-to-Tape)	2 x 8 GbFC (except Entry Systems)	4 x 8 GbFC
Path-to-Tape	Symantec OST support of direct tape creation, Application specific (except Entry Systems)	
NAS Backup Target	NFS and/or CIFS mount point	
Shares (max.)	128	
Partitions (max.)	64 (except Entry Systems)	
Virt. Tape Drives (max.)	80 (except Entry Systems)	256
Virtual Cartridges (max.)	9000 (except Entry Systems)	
Tape Drives Emulations	DLT7000, SDLT 320, SDLT 600, SLT-S4, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5 (except Entry Systems)	
Library Emulations	Quantum Scalar 24 / 100, Scalar i500 / i2000 / i6000 (except Entry Systems)	
Performance	Up to 6.3 TB/h	
Standard Software included	Deduplication, Replication, Path-to-Tape, Multiprotocol Support (except Entry Systems)	
Note	For detailed specification refer to the data sheet	

ETERNUS CS High End



Model	ETERNUS CS Series CS50 to CS5000, CS500 DL, CS1500 DL, CS1500 VINS, CS2000 VINS
NAS Frontend Ports (max.)	4 x 10 GbE or 4 x 1 GbE per node
32 NAS Backend Target	NFS and/or CIFS mount point
Shares (max.)	2,048
VTL Frontend Ports	2 to 40
Virtual Tape Drives	16 to 1280 (FC), up to 640 (ESCON, FICON)
Backend Ports	2 to 40
Physical Tape Drives (mixed)	2 to 112
Physical Tape Libraries (mixed)	Up to 10
System Volume Cache	2.4 to 3648 TB
Sustained Performance (max.)	55 TB/h
Number of Files (max.)	2 billion
Virtual Tape Volumes (max.)	3,000,000
Physical Tape Volumes (max.)	50,000
Deduplication Store Option	Up to 1,600 TB
Note	For detailed specification refer to the data sheet

Storage Software

- Simpana:** By leveraging a single unified code base and platform, Simpana software simplifies an IT organizations ability to manage data across its lifecycle with integrated modules for Backup & Recovery, Archive, Replication, Resource Management and Search.
- Backup Exec:** Cost-effective backup and recovery for small and medium businesses that lets you easily protect more data while reducing storage and management costs.
- 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.

ETERNUS DX Storage Management

ETERNUS SF: Fujitsu's Storage Management Software ETERNUS SF reduces total cost of ownership by managing the operation of ETERNUS DX disk storage systems throughout the data's lifecycle. For today's complicated storage environments, ETERNUS SF achieves business continuity and optimizes storage resources.

More information about our software portfolio is available on: fujitsu.com/fts/products/computing/storage/software

Services

Fujitsu offers a complete portfolio of enterprise storage solutions that include hardware, software, consulting, integration and service. Professional Services from Fujitsu support you in meeting your IT storage requirements. They help you exploit the full solution potential of your storage systems.

Integration concepts for

- storage strategy
- storage consolidation
- storage solutions
- storage disaster recovery

Technical design and standard implementation services for ETERNUS CS, DX and LT, Storage Area Networks and more.

More information: fujitsu.com/fts/services/support