

DATASHEET

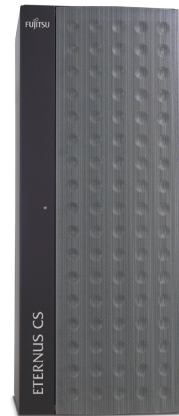
FUJITSU ETERNUS CS HIGH END V5

DATA PROTECTION APPLIANCE

INTELLIGENT DATA PROTECTION FOR DYNAMIC INFRASTRUCTURES

ETERNUS CS HIGH END

The ETERNUS® CS High End storage system provides intelligent data protection for dynamic infrastructures and makes backup and archiving fit for ILM (Information Lifecycle Management). This multiple tier storage solution exploits the best of disk and tape in a seamless manner with superior connectivity for True Tape Virtualization and File Archiving. Such consolidated data centers lower the total cost of storage through efficient use of the most cost effective storage and deduplication technologies. The powerful Grid Architecture features unmatched scalability, automatic failover and cascaded long distance connections such leveraging unmatched disaster resiliency for protection against site outages.



MAIN FEATURES	BENEFITS
<p>Family concept</p> <ul style="list-style-type: none"> ■ Makes data protection fit for ilm (information lifecycle management) ■ True tape virtualization and file archiving ■ Grid architecture 	<ul style="list-style-type: none"> ■ Enables flexible Service Levels (SLA) for backup and archiving ■ Multiple tier storage with data on disk, tape, tapeless and offsite locations ■ Efficient data compression, deduplication, encryption and WORM technologies ■ Superior VTL and NAS connectivity for dynamic infrastructures ■ Workload adaptive provisioning of storage resources ■ Outstanding TCO reductions with consolidation of cost effective storage tier s ■ Unmatched node scalability over clustered sites ■ Unmatched disaster resiliency with integrated automatic failover, data mirroring, data replication and cascaded long distance connections ■ Live monitoring, health check and non-disruptive upgrade

- INTELLIGENT DATA PROTECTION FIT FOR ILM
- TRUE TAPE VIRTUALIZATION AND FILE ARCHIVING FIT FOR SEAMLESS INTEGRATION INTO DYNAMIC INFRASTRUCTURES
- GRID ARCHITECTURE ENSURES UNMATCHED DISASTER RESILIENCY

TECHNICAL DETAILS

MODELS AT A GLANCE

	UNIVERSAL CONTROLLER	DATA PROTECTION APPLIANCE
Model	CS50	CS500, CS1000 (only available as VTL), CS1500, CS2000, CS3000, CS4000, CS5000
NAS Frontend Ports	None	Max. 4 x 10 GbE or max. 4 x 1 GbE per node (up to 4 nodes for CS1500 and higher)
NAS Backup Target Shares	None	NFS and/or CIFS mount point
VTL Frontend Ports	2 to 4	4 to 32
Virtual Tape Drives	16 to 32	32 to 1024 (FC), up to 512 (ESCON, FICON) please contact us for other configurations
Backend Ports	2	4 to 32
Physical Tape Drives (mixed)	1 to 2	2 to 112
Physical Tape Libraries (mixed)	2	10

SYSTEM VOLUME CACHE

Capacity (uncompressed)	2.4 TB	5.4 TB to 1427 TB (RAID 5)
Number of Files	None	Max. 500 Million
Virtual Tape Volumes	20,000	Max. 1,500,000
Physical Tape Volumes	500	Max. 50,000

DEDUPLICATION STORE OPTION

Capacity	None	16 TB to 1600 TB
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SUPPORTED ENVIRONMENTS

RESOURCE LIBRARY

For the detailed support matrix of operating systems and applications please contact your Fujitsu sales representative
ts.fujitsu.com/products/storage/eternus/cs/resource.html

TECHNICAL DETAILS

GENERAL

INSTALLATION SPECIFICATION

Dimension (W x D x H)	484 x 770 x 90 mm (19.05 x 30.31 x 3.54 inches)	700 x 1,000 x 1,825 mm - per Rack (27.56 x 39.37 x 71.85 inches - per Rack)	
Height	2 U	38 U	
Weight (kg)	20 kg (44 lbs)	270 to 3,729kg (594 to 8,203.8 lbs)	270 to 4,804kg (528 to 10,568.8 lbs)
Power consumption (kW)	0.33	1.5 to 49.7	1.5 to 54.1
Heat emission (BTU/h)	1,080	Min. 4,600 / max. 151,310	Min. 4,600 / max. 165,600

WITHOUT DEDUPLICATION STORE OPTION

ELECTRICAL PER RACK

Rated Voltage	2 or 3 phases of 230 V	2 supplies of 208 V (phase to phase)	
Fuse protection	16 A per phase (fuses not coupled)	Min. 20 A per phase	
Connection type	CEE connector 1 phase, 3 phases	L6-30 connector	

STANDARD EU

STANDARD US

Product Class	B		
Room supply air	Yes		
Double bottom supply air	No		
Temperature (Operating)	15 to 35 °C (59 to 95 °F)		
Humidity (Operating)	20 to 80% (relative humidity, non-condensing)		
Sound pressure (dB(A))	< 60		
Operating environment	FTS 04230 – Guideline for Data Center (installation locations)		
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe		

SUPPORT

Standard warranty	1 year / 5 x 9 / On-site service
Recommended support services	SolutionContract: ts.fujitsu.com/supportservice

COMPLIANCE WITH STANDARDS

Product safety	EN 60950 / IEC 950, VDE 0805 UL 1950, CSA 22.2 No. 950
Radiation, RFI suppression	CE mark, FCC Class A *, (EN 55022B, EN 50082-1)
	* This product, together with the Fujitsu released accessory components / -material, is in compliance with the objectives of emission class A. In certain cases measures have to be taken to reduce the electromagnetic influence to other equipment.

ABOUT FUJITSU AMERICA

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