

Datasheet

Fujitsu ETERNUS CS800 S4

Data Protection Appliance: Backup to Disk with Deduplication



ETERNUS CS Data Protection Appliance

The ETERNUS CS data protection appliances offer outstanding data protection for dynamic infrastructures. ETERNUS CS minimizes backup times and fulfills the recovery time objectives for all business critical environments.

By aligning tape, disk and advanced deduplication technology into a controllable Information Lifecycle Management (ILM) strategy, enterprise data protection can be flexibly aligned to different SLAs.

ETERNUS CS is suited for every backup infrastructure environment and all market leading backup software. It enables the consolidation of storage devices, to simplify your company's data protection administration. It saves energy, lowers total cost of storage, and makes efficient use of the most cost-effective technologies.

ETERNUS CS800 S4

Fujitsu ETERNUS CS800 S4 is a data protection appliance optimized for back-up to disk. It radically reduces costs, through savings in required storage capacity of up to 95%, using leading deduplication technology. It also protects data against disaster through replication.

As an integrated and optimized appliance ETERNUS CS800 S4 is far more easy to use, more efficient to operate and displays better results in deduplication - compared with pure software solutions in combination with standard disk systems.



Features and benefits

Main features	Benefits
<ul style="list-style-type: none">■ High capacity and performance while reducing costs■ Improved and automated disaster recovery protection■ Integration into dynamic infrastructures	<ul style="list-style-type: none">■ Maximum disk performance for better data protection■ Highest scalability from entry up to 240 TB■ Data deduplication technology reduces disk requirements■ Remote encrypted replication with reduced network bandwidth■ Reduced media handling and easy administration■ Supports Symantec OpenStorage (OST) and Path-to-Tape■ Turnkey solution for easy and economical deployment■ Standard NAS or VTL interface for easy implementation and operation

Technical details

MODEL OPTION	Entry	Scale
Capacity	4.8 or 9.8 TB	8 – 240 TB
Host Ethernet and Replication Interface	5 x 1 GbE	3 x 1 GbE
Connectivity (options)		
Ethernet Ports	2 x 10 GbE	8 x 1 GbE ¹⁾ 4 x 10 GbE ²⁾
Fibre Channel Ports	2 x 8 GbFC	4 x 8 GbFC ³⁾
Host Spare (option)	-	Yes ⁴⁾
NAS Backup Target	NFS and/or CIFS mount point	
Shares (max.)	128	128
Partitions (max.)	64	64
Virtual Tape Drives (max.)	80	160
Virtual Cartridges per VTL partition (max.)	9000	9000
Tape Drive Emulations	DLT7000, SDLT 320, SDLT 600, SLT-S4, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5	
Libraries Emulations	ADIC Scalar 24, Scalar 100, Scalar i500, Scalar i2000, Scalar i6000	

^{1), 2), 3)} One of these 3 options has to be selected;
Max. 2 of these 3 options can be combined;
Combination ¹⁾ and ²⁾ **not supported**

⁴⁾ Hot Spare option limits the maximum net usable storage capacity to 72 / 144 / 216 TB depending on model

GENERAL SPECIFICATION

Performance (In-line-operation)	Up to 9 TB/h
Standard software Included	Deduplication, Replication, Path-to-Tape, OST
Supported application	For the detailed support matrix of operation systems and applications please contact your Fujitsu sales representative

INSTALLATION SPECIFICATION

Dimension (W x D x H) – standard	482.6 x 770 x 88.9 up to 978 mm
Height	2U up to 22U (1U = 44,45mm / 1.75 inches)
Weight	25 up to 375 kg (55 up to 827 lbs)
Power voltage (V)	AC 100 - 120 / 200 - 240
Power frequency (Hz)	50 / 60
Power consumption (W)	Min 160 / max 2700
Power phases	Dual

ENVIRONMENTAL

Heat emission (BTU/h)	Min 520 / max 9220
Heat emission (kJ/h)	Min 580 / max 9720
Temperature (Operating)	15 - 35°C (59 - 95°F)
Humidity (Operating)	20 – 80 % (relative humidity, non-condensing)
Sound pressure (dB(A))	49 - 53
Operating environmental guideline	FTS 04230 – Guideline for Data Center (installation locations)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe

Maintenance and Support Services

The perfect extension to product specific base warranty - for optimized operation.

Recommended Service: 24 x 7 Fujitsu support for enterprise class services.

Please check your specific service level with your FUJITSU sales organization or partner.

Compliance with Standards

Product safety	UL60950-1, CSA-C22.2 No. 60950-1, EN60950-1, IEC60950-1, GOST-R
Electromagnetic Compatibility	FCC Part-15 Class A, ICES-003 Class A, EN55022 Class A, VCCI Class A, AS/NZS CISPR22 Class A, CNS13438(C6357) Class A, C-Tick, BSMI
Electromagnetic Immunity	EN 55024
CE certification	Electromagnetic Compatibility Directive 2004/108/EC, Low Voltage Directive 2006/95/EC
Environmental compliance	RoHS-compliant (Restriction of hazardous substances), WEEE-compliant (Waste electrical and electronically equipment)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	Compliance Link: https://sp.ts.fujitsu.com/sites/certificates/default.aspx

More information

Fujitsu platform solutions

In addition to Fujitsu ETERNUS, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing products

www.fujitsu.com/global/services/computing/
- PRIMERGY: Industry standard server
- SPARC Enterprise: UNIX server
- PRIMEQUEST: Mission-critical IA server
- ETERNUS: Storage system

Software

www.fujitsu.com/software/
- Interstage: Application infrastructure software
- Systemwalker: System management software

More information

Learn more about Fujitsu ETERNUS, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website. www.fujitsu.com/eternus/

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: www.fujitsu.com/global/about/environment/



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