FUJITSU

Data Sheet
FUJITSU Storage ETERNUS CS800 S6

Data Protection Appliance: Backup to Disk with Deduplication

ETERNUS CS Data Protection Appliances

ETERNUS CS data protection appliances radically simplify backup and archive infrastructures. ETERNUS CS200c is an all-in-one backup solution including the right-sized hardware, backup software and the necessary licenses for the various capacity requirements. ETERNUS CS800 is a one-for-all deduplication appliance working together with all the backup software suites. The unified data protection platform ETERNUS CS8000 enables storage professionals to completely consolidate the backup and archive infrastructure used in data centers.

ETERNUS CS800 S6

FUJITSU Storage ETERNUS CS800 is a turnkey data protection appliance and provides a simple and affordable solution for customers which follow a backup to disk strategy with deduplication. The advanced deduplication technology reduces typical disk capacity requirements for disk to disk backup by up to 95%.

ETERNUS CS800 provides maximum disk performance and high scalability. Backup data replication between sites uses global deduplication to dramatically reduce typical network bandwidth needs. ETERNUS CS800 also provides an integrated Copy to Tape option and is ready to be the backup target in cloud hosted disaster recovery sites. ETERNUS CS800 is highly optimzed for major backup software applications and provides additional benefits in combination with Veritas OST.

Features & Benefits

Main Features	Benefits
High capacity and performance while reducing costs	
	■ Maximum disk performance for better data protection
	■ Highest scalability from 8 up to 352 TB
	■ Data deduplication technology reduces disk requirements
Improved and automated disaster recovery protection	
	■ Remote replication (encrypted) with reduced network bandwidth
	■ 1:2 replication and cloud hosted disaster recovery
	■ Reduced media handling and easy administration
	■ Integrated Export to Tape Option for long-term-retention
	■ Optimized integration with Veritas OST
Integration into Business-centric Data-centers	
	■ Turnkey solution for easy and economical deployment
	■ Standard NAS or VTL interface for easy implementation and operation
	■ Ready to realize cloud concepts for backup services

Technical details

General system information

Base unit	Entry	Entry Extendable	Scale
	Entry1	Entry2	
Performance (max. SPEED mode)	up to 13.4 TB/h	up to 13.4 TB/h	up to 22.0 TB/h
Performance (max.)	up to 5.5 TB/h	up to 5.5 TB/h	up to 10.6 TB/h
Performance Notes	Actual performance figures depend on user data and user environment		
Capacity (logical)	up to 1.2 PB	up to 6 PB	up to 17.6 PB
Capacity (net usable)	8 TB - 24 TB	8 TB - 120 TB	32 TB - 352 TB
Ethernet Ports (fixed)	5 x 1 GbE	5 x 1 GbE	3 x 1 GbE
Hot Spare Option	No	No	Yes

Ethernet Connectivity (optional)

Base unit	Entry	Scale	
Ethernet Ports	2 x 10 GbE optical 10GBASE-SR, MMF	4 x 10 GbE optical 10GBASE-SR, MMF	8 x 1 GbE
NAS – supported protocols	CIFS, NFS		
NAS Shares (max.)	128		

Fibre Channel Connectivity (optional)

Base unit	Entry	Scale
Fibre Channel Ports	2 x 16 GbFC	4 x 16 GbFC
Partitions (max.)	64	64
Virtual Tape Cartridges (per partition)	9,000	9,000
Virtual Tape Drives (max.)	80	160
Tape Drive Emulations	DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, SDLT 320, SDLT 600, SLT-S4	
Libraries Emulations	Quantum Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000	
Notes	"The following options are available: 8 x 1 Gb Ethernet, 4 x 10 Gb Ethernet, 4 x 16 GbFC One of these 3 options has to be selected; Max. 2 of these 3 options can be combined. Combination of 1GbE and 10GbE is not possible"	

Supported environments - excerpt

Supported backup software	Atempo (Time Navigator) Commvault Software Computer Associates (BrightStor ARCserve Backup) EMC (NetWorker) HP (DataProtector) IBM (Spectrum Protect) Quest (NetVault, vRanger) SEP sesam Veritas (Backup Exec, NetBackup) Veeam (Backup & Replication) For additional information or applications not listed please contact your Fujitsu sales representative

Installation specification

19" rackmount	Yes		
Dimension (W x D x H) - standard	482.6 x 770 x 2U - 24U (1U = 44,45mm)		
Height Unit Maximum	24 U		
Weight	25kg - 410 kg		
Power voltage	AC 200 - 240 V		
Power frequency	50 / 60 Hz		
Power phase	Dual		
Base unit	Entry	Entry Extendable	Scale

Dimensions (W x D x H)	482.4 x 770 x 88.6 mm 19 x 30.3 x 3.5 inch 2 U	484.2 x 770 x 354.4 mm 19.1 x 30.3 x 14 inch 8 U	482.4 x 770 x 2126.4 mm 19 x 30.3 x 83.7 inch 48 U
Weight	25 kg (55 lb)	up to 130 kg (NaN lb)	up to 410 kg (NaN lb)
Maximum Power Consumption (AC 200 - 240 V)	290W	585 W	2700 W
Heat generation	1044 kJ/h	2106 kJ/h	9720 kJ/h

Environment

Temperature (operating)	10 - 40 ℃
Temperature (not operating)	10 - 40 ℃
Humidity (operating)	20 - 80 % (relative humidity, non-condensing)
Humidity (not operating)	20 - 80 % (relative humidity, non-condensing)
Altitude	3,000 m (10,000 ft.)
Sound pressure (LpAm)	48 -68
Sound power (LWAd; 1B = 10dB)	6.6
Noise notes	Noise emissions and operation modes depend on system configuration.
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe

Warranty

Warranty period	1 year
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support

Product Support Services - the perfect extension

Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Lifecycle	5 years after end of product life
Service Weblink	www.fujitsu.com/services/product-services

Compliance

Product safety	CSA-C22.2 No. 60950-1, GOST-R, UL 60950-1, EN 60950-1, IEC 60950-1
Electromagnetic Compatibility	CNS 13438, FCC Part-15 Class A, ICES 003 Class A, BSMI Class A, C-Tick, AS/NZ CISPR 22 Class A, EN 55022 Class A, VCCI Class A
Electromagnetic Immunity	EN 55024
CE certification	2006/95/EC
Approvals	CE, EAC, GS, FCC, RoHS, WEEE
Environmental compliance	RoHS compliant, WEEE compliant
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	https://sp.ts.fujitsu.com/sites/certificates

Fujitsu OPTIMIZATION Services

In addition to Fujitsu ETERNUS CS800 S6, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ETERNUS CS800 S6, please contact your Fujitsu sales representative or 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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

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