

Data Sheet

FUJITSU Storage ETERNUS CS800 S6

Data Protection Appliance: Backup to Disk with Deduplication

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 optimized 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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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/Flex	Scale	
Ethernet Ports	2 x 10 Gbps SFP+	4 x 10 Gbps SFP+ 8 x 1 Gbps	8 x 1 Gbps
NAS – supported protocols	CIFS, NFS		
NAS Shares (max.)	128		

Fibre Channel Connectivity (optional)

Base unit	Entry	Scale
Fibre Channel Ports	2 x 16 GbFC / 8 GbFC	4 x 16 GbFC / 8 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 / 8 GbFC depending on country
 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 and archiving software for open systems	Atempo (Time Navigator) Commvault Software Computer Associates (BrightStor ARCserve Backup) Dell 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 (not operating)	10 - 40 °C		
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 period	1 year		
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time		
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		

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.

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.

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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.
<http://ts.fujitsu.com>

Fujitsu green policy innovation

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Contact

FUJITSU LIMITED
Website: www.fujitsu.com/eternus
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