

Data Sheet

FUJITSU Storage ETERNUS CS800

Data Protection Appliance: High Performance Backup to Disk with Deduplication



ETERNUS CS Data Protection Appliances

Data protection appliances from Fujitsu simplify and consolidate backup and archive infrastructures. Fujitsu specializes in mapping the right technology for individual needs depending on your business size. Our appliances offer advanced capabilities such as deduplication and replication, thus mitigating risk and minimizing downtime.

ETERNUS CS800

FUJITSU Storage ETERNUS CS800 disk based backup appliance offer simple, economical and scalable data protection with high performance backup and efficient disaster recovery and tight integration with all leading backup applications. The deduplication technology in ETERNUS CS800 reduces required disk capacity by up to 95% delivering superior price-performance while the unique replication engine enables multi-site protection and disaster recovery with low network bandwidth. The scale-out architecture makes it suitable for entry level to enterprise class environments with the pay-as-you-grow expansion flexibility. By supporting all major backup suites it is a perfect consolidation platform for data copies. Deep integration capabilities for VEEAM and Veritas OST functions enable a tight integration into backup processes including additional copies on tape eliminating the need of extra hardware resulting in investment protection.



Features & Benefits

Main Features	Benefits
Flexible scale-out architecture from small and remote offices to enterprise environments	<ul style="list-style-type: none">■ Pay-as-you-grow with easy incremental upgrades■ Highest scalability from 27 up to 315 TB (SCALE) and 102 to over 1.02 PB (ENTERPRISE)■ Suitable for organization size from entry to enterprise
High performance while reducing costs	<ul style="list-style-type: none">■ Maximum disk performance up to 37 TB/h for better data protection■ Variable-length deduplication maximizes data reduction■ Protect data across sites with WAN efficient replication
Optimized data protection and automated disaster recovery	<ul style="list-style-type: none">■ Implements industry-standard AES-256 bit encryption for data-at-rest■ 1:2 replication and cloud hosted disaster recovery■ Reduced media handling and easy administration■ Integrated Path to Tape Option■ Tight integration with Veeam and Veritas OST
Greater insights to the data through advanced reporting	<ul style="list-style-type: none">■ Advanced reporting provides clarity and ease of application management■ Intuitive management tools enable precise business decisions■ Contributes to proactive and speed resolution time
Integration into Business-centric Data-centers	<ul style="list-style-type: none">■ Turnkey solution for easy and economical deployment■ Standard NAS or VTL and multi-protocols interface for easy implementation■ Ready to realize cloud concepts for backup service

Technical details

General system information

Base unit	ENTRY	SCALE	ENTERPRISE SD	ENTERPRISE HD
Performance (max. SPEED mode)	up to 0.68 TB/h	up to 34 TB/h	up to 37 TB/h	up to 37 TB/h
Performance (max.)	up to 0.5 TB/h	up to 12 TB/h	up to 24 TB/h	up to 24 TB/h
Performance Notes	Actual performance figures depend on user data and user environment (ENTRY Performance is limited by 1GbE ports)			
Capacity (logical)	up to 0.46 PB	up to 6.3 PB	up to 20.4 PB	up to 20.4 PB
Capacity (net usable)	11 TB - 23 TB	27 TB - 315 TB	102 TB - 1.02 PB	102 TB - 1.02 PB
Ethernet Ports (fixed)	2 x 1 GbE	2 x 1 GbE 2 x 10 (SFP+ or TWINAX) GbE	2 x 1 GbE 2 x 10 (SFP + or TWINAX) GbE	2 x 1 GbE 2 x 10 (SFP + or TWINAX) GbE

Ethernet Connectivity (optional)

Base unit	ENTRY	SCALE	ENTERPRISE
Ethernet Ports		Upto 4 of the following HBA including FC optional Quad-port 10 GbE (SFP+ or TWINAX) Quad-port 10 GBASE-T (RJ45)	Upto 4 of the following HBA including FC optional Quad-port 10 GbE (SFP+ or TWINAX) Quad-port 10 GBASE-T (RJ45)
NAS – supported protocols	CIFS, NFS		
NAS Shares (max.)			

Fibre Channel Connectivity (optional)

Base unit	ENTRY	SCALE	ENTERPRISE	ENTERPRISE
Fibre Channel Ports		Dual-port 16 GbFC	Dual-port 16 GbFC	
Partitions (max.)	128	128	128	
Virtual Tape Cartridges (per partition)		61,000	61,000	
Virtual Tape Drives (max.)		64	512	
Tape Drive Emulations	DLT7000, LTO-1, LTO-2, LTO-3, LTO-4, LTO-5, LTO-6, SDLT 320, SDLT 600, SLT-S4	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	Quantum Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000, Scalar i40/i80		
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)
Veritas (Backup Exec, NetBackup)
Veeam (Backup & Replication)
SEP sesam - support on special request

For additional information or applications not listed please contact your Fujitsu sales representative

Installation specification

Power voltage	AC 200 - 240 V
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Installation specification

Base unit	ENTRY	SCALE	ENTERPRISE SD	ENTERPRISE HD
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Installation specification

Dimensions (W x D x H)	434 x 694 x 86.8 mm 17.1 x 27.3 x 3.4 inch 2 U	434 x 678 x 86.8 mm 17.1 x 26.7 x 3.4 inch 2 U	434 x 678 x 86.8 mm 17.1 x 26.7 x 3.4 inch 2 U	434 x 678 x 86.8 mm 17.1 x 26.7 x 3.4 inch 2 U
Weight	29.7 kg (65 lb)	33.1 kg (73 lb)	61.6* kg (NaN lb)	145.6* kg (NaN lb)
Maximum Power Consumption (AC 200 - 240 V)	335 W	452 W/ 292 W	997* W/ 207 W	1805* W/ 921 W
Heat generation	1.21 kJ/h	5.94 kJ/h	9.39 kJ/h	9.39 kJ/h

Environment

Temperature (not operating)	15 - 35 °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)	45 - 55 dB(A)
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/warranty

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	2014/35/EU, 2014/30/EU, 2011/65/EU, 2009/125/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 products, solutions & services

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

Fujitsu Portfolio

Build 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 offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Storage Products

<https://www.fujitsu.com/global/products/computing/storage/>

Software

<https://qsweb.quantum.com/downloads/Fujitsu/>

More information

Learn more about Fujitsu ETERNUS CS800, 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>



**Green
Policy
Innovation**

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