

Datasheet

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 and 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 11 up to 23 TB (ENTRY), 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

| | | | |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Model | ENTRY | SCALE | ENTERPRISE |
| Performance (max. SPEED mode) | Up to 0.68 TB/h * | Up to 34 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 |
| Performance Note | Actual Performance figures depend on user data and user environment. (*ENTRY performance is limited by 1Gbit/s Ethernet Interfaces and bonding) | | |
| Capacity (logical) | Up to 0.46PB | Up to 6.3PB | Up to 20.4PB |
| Capacity (net usable) | 11 TB – 23 TB | 27 TB – 315 TB | 102 TB – 1020 TB |
| Ethernet Ports (fixed) | 2 x 1 GbE | 2 x 1 GbE 2 x 10 GbE (SFP+ or TWINAX) | 2 x 1 GbE 2 x 10 GbE (SFP+ or TWINAX) |

Connectivity (optional)

| | | | |
|------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| HBA | - | Up to 4 of the following HBA: Dual-port 16 GbFC Quad-port 10 GbE (SFP+ or TWINAX) Quad-port 10 GBASE-T (RJ45) | Up to 4 of the following HBA: Quad-port 16 GbFC Quad-port 10 GbE (SFP+ or TWINAX) Quad-port 10 GBASE-T (RJ45) |
| NAS – supported protocols | CIFS, NFS | | |
| 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, SDLT 320, SDLT 600, SLT-S4 | | |
| Libraries Emulations | Quantum Scalar 24, Scalar 100, Scalar i2000, Scalar i500, Scalar i6000, Scalar i40/i80 | | |

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 | |

Environment

| | |
|------------------------------------|-----------------------------------------------------------------------|
| Temperature (operating) | 10 – 35 °C |
| Temperature (not operating) | -40 – 65°C |
| Humidity (operating) | 20 - 80 % (relative humidity, non-condensing) |
| Humidity (not operating) | 5 - 95 % (relative humidity, non-condensing at max. 33 °C sat. temp.) |
| Altitude | 3.048m |
| Noise notes | Noise emissions and operation modes depend on system configuration. |

Maintenance and Support Services

| | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard warranty | 1 Years |
| Recommended Service | 24 x 7 Fujitsu support for enterprise class services. Please check your specific service level with your FUJITSU sales organization or partner. |
| Warranty Terms & Conditions | www.fujitsu.com/support |

Compliance with Standards

| | |
|-----------------------|-------------------------------------------|
| Product safety | CE, UL/CSA (others on request) |
| Radiation, EMI | CE, C-tick, FCC, VCCI (others on request) |

Installation specification

| | | | | |
|-----------------------------------------------------|---------------------|--------------------------|--------------------------------------------|---------------------------------------------|
| 19" rackmount | Yes | | | |
| System | ENTRY | SCALE | ENTERPRISE SD | ENTERPRISE HD |
| Dimensions (W x D x H) w/o Front Bezel | 434 x 694 x 86.8 mm | 434 x 678 x 86.8 mm | 434 x 678 x 86.8 mm 447 x 536 x 86.8 mm | 434 x 678 x 86.8 mm 447 x 971 x 174.4 mm |
| | 2 U | 2 U | 4U | 6U |
| Dimensions (W x D x H) - Extension | - | 478 x 541 x 870 mm 2U | 434 x 678 x 870 mm 2U | 434 x 678 x 870 mm 4U |
| Weight (Base) | 29.7 kg | 33,1 kg | 57,1 kg | 141 kg |
| Weight (Extension) | - | 28,6 kg | 27,1 kg | 113 kg |
| Maximum Power Consumption (Base / Extension) | - | 663 W / 247 W | 997 W / 207 W | 1805 W / 921 W |
| Heat generation (max.) | - | 5.634 BTU/h | 3.960 BTU/h | 8.900 BTU/h |

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.

Computing Products

fujitsu.com/global/products/computing/

Software

qsweb.quantum.com/downloads/Fujitsu/

More information

Learn more about Fujitsu ETERNUS CS800, 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 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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