

# ETERNUS CS800 S7

Turnkey data  
protection appliance  
with deduplication

## Ultimate Data Protection for Your Business

In the digital age, the share of business-critical data is skyrocketing. At the same time, the virtualization of infrastructures continues to advance rapidly and the cloud is increasingly being used for business processes. This poses many backup and recovery challenges for IT organizations. With the ETERNUS CS800 S7 data protection appliance, they can reliably master all the challenges of today and tomorrow.

### Backup and recovery is becoming increasingly difficult

The more data-driven the business, the more dependent it becomes on data available around the clock. With the rapid growth of data and virtualized infrastructures, it is more and more difficult for companies to cost-effectively ensure reliable compliance with service levels, not to mention effective protection against disasters or cyber attacks. The simple reason is that many of today's data protection technologies have serious limitations. Incompatible technology silos, size and performance issues, difficulties in managing the backup of multiple sites, or complex management and disaster recovery are just a few examples.

### How to resolve your data protection issues

Limited multiple backup solutions can cause many problems. But you can resolve them immediately with a solution that specifically meets all of your requirements. Simply switch to ETERNUS CS800 S7. The turnkey data protection appliance ensures extremely fast backups and restores with the very latest in backup-to-disk technology. Powerful deduplication, flexible scalability, integrated replication for disaster recovery, easy management, plus support for all leading backup applications make ETERNUS CS800 S7 the most complete and easy-to-use solution on the market. The appliance lets you consolidate heterogeneous environments comprehensively and achieve dramatic operational cost savings.

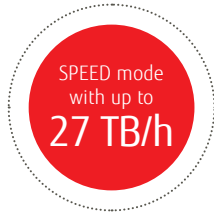
shaping tomorrow with you

**FUJITSU**

# How ETERNUS CS800 S7 makes data protection easy and future-proof

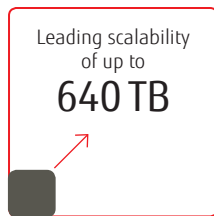
## Fast backup and restore

A special functionality, called SPEED mode, shifts the deduplication to a media server enabling faster backup up to 27 TB/h. The data is deduplicated there before being transferred to the ETERNUS CS800. Simultaneous disk access ensures that data backup and recovery are possible at the same time.



## High and flexible scalability

ETERNUS CS800 S7 offers leading scalability of up to 640 TB with a proportional price model and fair licensing. Based on three models – Entry, Flex and Scale – the appliance makes it easy to start with just the right capacity for the current backup environment. More storage capacity can easily be added without additional software license costs. There are no hidden costs for unlocking additional features. Thus configurations can grow dynamically in step with rising capacity requirements. At the same time operations remain simple – with just “one box.”

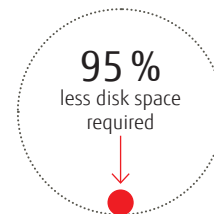


## Disaster recovery through replication

The ETERNUS CS800 S7 Data Protection Appliance offers replication options that use low-bandwidth links because only deduplication data is moved from site to site. This bidirectional replication is not limited to one location: It can be enhanced with parallel replication to another location or to an ETERNUS CS800 in the data center of a cloud service provider. Advanced deduplication drastically reduces required network bandwidth up to a factor of 20. An intelligent mechanism supports efficient full remote backups by transmitting only new and modified data blocks to the target site. The system constantly transfers these new data blocks to the remote site and updates the remote copies already stored there. Snapshots can also be taken and replicated to recover any day of an entire month. If necessary the data is encrypted for maximum security.

## Cost-effective backup through deduplication

ETERNUS CS800 S7 uses advanced deduplication technology that reduces the disk space required for backup by approximately 95%, depending on the backup data structure. You gain time for more complete backups and fast restores, even of older data. Because replication uses deduplicated blocks, you need significantly less bandwidth for the network connection between the replication source and replication target.



## Easy to deploy. Easy to manage

ETERNUS CS800 S7 is a turnkey appliance which is easy to deploy and easy to manage. Its intuitive graphical user interface and integrated wizards for configuration tasks relieve administration workloads comprehensively. Intelligent automation provides additional relief and security. For example, the backup and replication process is automated – no administrator intervention is required.

## Disaster recovery through path-to-tape

For environments that require the optimal combination of short-term backup/restore performance and economical long-term data retention, the ETERNUS CS800 S7 offers an integrated, license-free data path to an attached physical tape library (path-to-tape). This enables the use of low-cost tapes for offline backups while providing optimal protection against ransomware and other cyber attacks. The backup data can be written directly from ETERNUS CS800 to the tape library without any load on the backup server – there is no need for the backup server to read the backup data and then write it to a tape library. The management of the copy-to-tape process is performed by the backup software server.

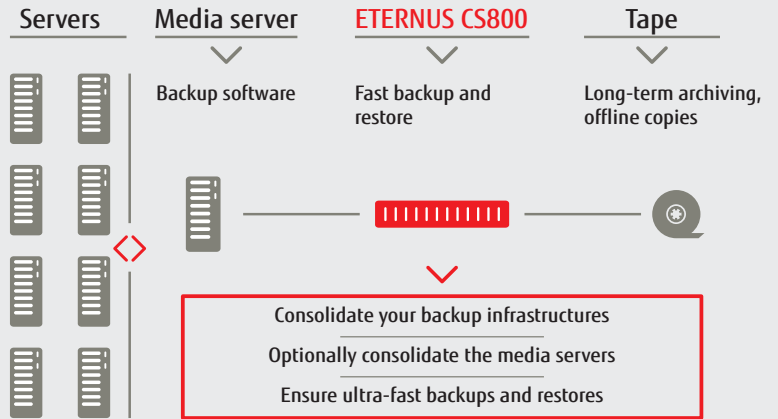
## Works very well with all backup software suites

ETERNUS CS800 supports all major backup software now available for easy integration in existing storage infrastructures. You can consolidate several backup solutions with one central ETERNUS CS800 – without replacing the backup software.

## Integration with Veritas and Veeam opens up many options

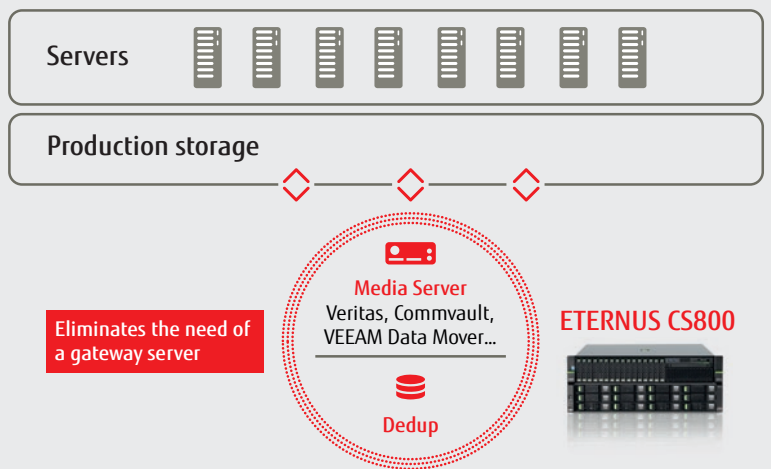
Both Veritas NetBackup software and Veeam Data Mover Service (VDMS) support synthetic full backups on ETERNUS CS800 S7 from previous full and incremental backups, allowing super-fast backup and recovery processes, while also reducing demands on client devices, backup servers and networks. Hybrid deduplication with activation of the SPEED mode gives backups an additional boost and reduces network loads. In addition, users can restore and put a virtual machine back into production by running it directly from the backup file, thus helping to minimize system downtime.

# All you need is one high-performance data protection appliance



## Running backup software directly on ETERNUS CS800

With ETERNUS CS800 S7 you can run instances of the backup application of your choice directly on the appliance without the need for an external backup server or proxy server.



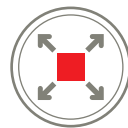
## Key functions and benefits at a glance



**Fast backup and restore** eliminates bottlenecks, ensures fast access to files



**Cost-effective backup through deduplication** saves time on backup and recovery, lowers media costs



**High and flexible scalability** allows cost-effective growth without hidden costs



**Easy to deploy, easy to manage** minimizes administration work, boosts reliability



**Disaster recovery through replication** makes unrivaled protection affordable



**Disaster recovery through path-to-tape** provides optimal protection against ransomware and other cyber attacks



**Support of all backup software suites** simplifies consolidation in one central solution



**Running backup software directly on ETERNUS CS800** eliminates the need to invest in media servers

## Powered by customer co-creation

ETERNUS CS800 is continuously enhanced in close cooperation with customers. This ensures that practical requirements are optimally met. Close co-creation is one of the many reasons why enterprises of all sizes in various branches of industry work with us to make their data protection future-proof.

"Thanks to FUJITSU ETERNUS CS800 systems, the initial need to automate and centralize the disk backup process was perfectly matched with our disaster protection policy."

Guido Gandino, Head of ICT Systems, SogeMi

The Italian wholesaler SogeMi needed a solution to handle the massive growth of data. At the same time, the automation of backup operations was intended to significantly reduce the workload. SogeMi decided to have a pair of FUJITSU Storage ETERNUS CS800 systems installed at its two offices, located just a few hundred meters apart, to provide top-level disaster recovery. This resulted in numerous benefits, such as centralization of disk backups, deduplication and full replication on the two installed systems, and up to 60% savings on resources. It was also important for the customer to be able to continue using the pre-existing backup software.

**SogeMi**

"We have been able to improve our backup processes considerably because the ETERNUS CS800 lets us backup and restore data very quickly."

Benno Haas, System Administrator, Linck Holzverarbeitungstechnik GmbH

Linck, Europe's largest manufacturer of sawmill systems, has so far only used tapes for backups. This solution was outdated and far too time-consuming. The company chose an ETERNUS CS800 to speed up the backup and recovery process and selected an ETERNUS LT40 as a long-term archive and additional line of protection. In addition to shorter backup windows, Linck also benefits from reduced downtime and increased reliability for necessary data recovery, not to mention that data can be backed up to tape all day while systems continue to run.

**LINCK**



### Ideal solution for a wide range of applications

- **For medium and large enterprises:**  
powerful replication of backup data for comprehensive consolidation
- **For branch offices with few or no IT resources:**  
high degree of automation for daily backup operations
- **For IT organizations with multiple backup applications:**  
a single appliance for all applications
- **For cloud service providers:**  
enable easy delivery of backup services
- **For physical, virtual and hyper-converged environments:**  
simple, reliable backup with one appliance

No matter what data protection challenges you face, ETERNUS CS800 S7 is the solution with the highest flexibility, security and cost efficiency. **See for yourself – now!**

[www.fujitsu.com/eternus\\_cs800](http://www.fujitsu.com/eternus_cs800)

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