



Full-NVMe EUROstor ES-8724JASA-2U



High Availability Metro Cluster

Explore the next generation of data storage solutions with the **EUROstor ES-8724JASA-2U** High Availability Metro Cluster powered by Open-E JovianDSS. This cutting-edge data storage system is meticulously designed to meet the highest standards of high availability and high-performance requirements.

The **EUROstor ES-8724JASA-2U** is a powerhouse, offering a massive usable NVMe capacity of up to 737 TB within a sleek and space-efficient 2U form factor. This system is ideal for enterprise-level applications that demand top-tier performance and reliability. Utilizing the **KIOXIA CD8-R, CD8P-R, and CD8P-V series** of high-performance enterprise-level NVMe drives, the system ensures that data storage operations are executed with maximum speed and efficiency.



**Up to 737 TB
raw capacity**



**Full-NVMe
System**



**High Availability
Metro Cluster**

The **EUROstor ES-8724JASA-2U** is engineered to handle the most demanding use cases, providing a robust and resilient solution for organizations that cannot afford any downtime or data loss.

Thanks to the **Open-E JovianDSS-powered High Availability** stretched (metro) cluster configuration, the system ensures continuous operation, even in the event of a node failure, by seamlessly switching operations to the remote node, providing unparalleled data protection against potential threats such as theft, fire, flood, or power outages. This redundancy is crucial for businesses that rely on constant access to their data.

The **All-Flash Full-NVMe EUROstor ES-8724JASA-2U High Availability Metro Cluster** is a solution for businesses looking for a high-performance, high-density, and scalable data storage system. Its advanced features and robust design ensure that your data is protected, accessible, and efficiently managed, providing peace of mind and operational excellence.



Video Processing



Data Centers



Virtualization



Databases



NAS Server



The **EUROstor ES-8724JASA-2U** is tailored to meet the needs of:

- Managed Service Providers & Data Centers
- Government & Public
- Hospitals & Healthcare
- Media & Entertainment
- Manufacturers & Retail

open-e 
JovianDSS

Check the Full-NVMe EUROstor ES-8724JASA-2U High Availability Metro Cluster Features

High Availability Metro Cluster

For businesses requiring reliable and robust storage solutions for critical data, the **EUROstor ES-8724JASA-2U High Availability Metro Cluster** is ideal. This system supports SMB, NFS, or iSCSI protocols, ensuring continuous data accessibility and protection in case of node failure. With the Open-E JovianDSS Advanced Metro High Availability Cluster Feature Pack, managing cluster configuration and performance is straightforward through specialized system management software. In the event of a node failure, the system seamlessly transfers VIPs from primary to secondary nodes, ensuring no disruption or timeout for client servers.

Enhanced NVMe Data Storage Performance

The **EUROstor ES-8724JASA-2U** is an advanced data storage solution designed for superior efficiency and performance. Using KIOXIA CD8-R, CD8P-R, and CD8P-V NVMe™ SSDs, this system provides exceptional speed and reliability. It also includes robust tuning tools for optimizing performance across various workloads, such as I/O-intensive databases or virtualization environments. Predefined profiles tailored to specific needs streamline setup and reduce operational complexity.

Guaranteed Data Protection

Data is your most critical asset, and the Open-E JovianDSS-based **ES-8724JASA-2U** ensures its protection through multiple mechanisms. Automatic and scheduled multi-layer data integrity checks maintain data consistency, while unlimited snapshots and clones facilitate disaster recovery and point-in-time restoration. An ongoing self-healing mechanism corrects malfunctions and restores full data redundancy. Even with drive failures, the software-based spare function supports multiple RAID arrays with a single drive, reducing hardware costs without compromising data safety.

Data Integrity Check

The **EUROstor ES-8724JASA-2U** ensures data integrity using advanced checksumming algorithms. Each data block is verified via checksums to detect potential corruption or errors. If a flawed block is found, an automatic repair and rewrite process is initiated. Persistent errors result in relocating the block to another NVMe drive section. Every read/write operation and periodic scrubbing of less accessed blocks undergo thorough data integrity verification, ensuring atomic execution - either completing successfully or making no changes. This robust approach minimizes the risk of data inconsistency and loss, even during power failures.



Maximize your business's data storage performance and reliability with **EUROstor ES-8724JASA-2U High Availability Metro Cluster!** Contact us today to learn more and enhance your data storage capabilities! [Explore the solution now!](#)

High Availability solution functionality test results

Functionality test name	Functionality test results [passed/failed]
Manual Failover	Passed
Automatic Failover triggering after network failure	Passed
Automatic Failover triggering after shutdown	Passed
Automatic Failover triggering after reboot	Passed
Automatic Failover triggering after power-off	Passed
Automatic Failover triggered after I/O failure	Passed

Active-active failover resource switching time test results

Total number of targets	Switching time [seconds]	Performance test results [passed/failed]
2	14	Passed
10	16	Passed
20	15	Passed

Ultimate All-NVMe Performance for the Data Center Environments and MSPs



Tailored for Data Centers, MSPs, and More

Designed for modern data centers, the **EUROstor ES-8724JASA-2U High Availability Metro Cluster** handles compute-intensive tasks associated with big data, extensive virtualization, and high-density server configurations. It offers seamless management of data storage infrastructure, ensuring uninterrupted operations during updates or refreshes. The system leverages flexible AMD CPU power and KIOXIA CD8-R, CD8P-R, and CD8P-V NVMe™ SSDs for robust read-intensive capabilities, reflecting EUROstor's expertise in constructing and refining data center-specific servers, providing the best solution for Managed Services Providers, Data Centers, and more

Thin Provisioning-enabled

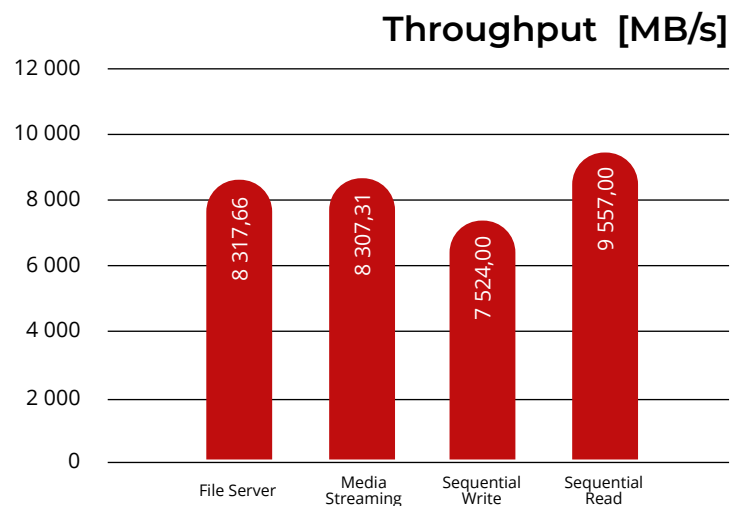
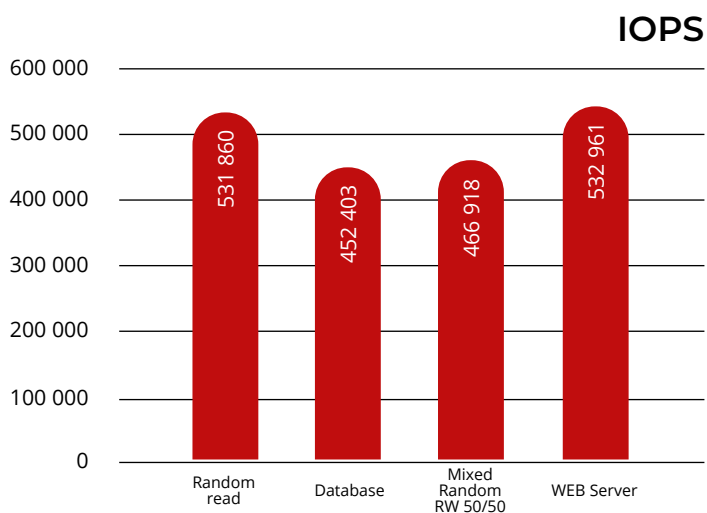
The **EUROstor ES-8724JASA-2U** employs thin provisioning to optimize storage utilization. This method allocates the exact server space required at the given moment, eliminating the cost of unused allocated space. With thin provisioning, there's no need to pre-allocate storage or over-purchase hardware. Managing storage capacity and setting up notifications for low-space alerts becomes straightforward, reducing the risk of running out of space and avoiding system rebuilds.

Unlimited Snapshots and Clones

The **EUROstor ES-8724JASA-2U High Availability Metro Cluster** enables seamless creation and management of unlimited snapshots and clones, essential for robust disaster recovery plans. These features allow swift data restoration in accidental deletion, corruption, or malware attacks. You can schedule snapshots to fit your needs and monitor data storage capacity, receiving alerts when space is low. With the **EUROstor ES-8724JASA-2U Metro Cluster**, enjoy unlimited snapshots and clones without compromising performance or efficiency.

Data Compression

The Open-E JovianDSS-based **ES-8724JASA-2U** minimizes storage capacity usage through data compression. Smaller data blocks allow faster read/write operations, boosting performance and saving space. The system includes resource-friendly compression protocols like lz4 for low resource utilization and medium compression rates and gzip-9 for high compression rates suitable for archiving or backup. Combined with deduplication, virtualization, and high availability solutions, compression reduces acquisition costs, power and cooling expenses, and rack space throughout the system's lifecycle.



Hardware details

For each of the 2 servers

	Default configuration	Options
Motherboard	EUROstor ES-8724JASA-MB	-
CPU	AMD Epyc 9374F	Any other 9004 series Genoa CPU
Chassis	EUROstor 24 NVMe	-
RAM	12x 64GB DDR5	up to 24x 128GB DDR5
Storage raw capacity	46,08 TB	Up to 737 TB
Storage device	12x Enterprise NVMe KIOXIA CD8-R (Base) 3.84TB	up to 24x Enterprise NVMe KIOXIA CD8-R (Base, S1E) up to 24x Enterprise NVMe KIOXIA CD8P-R (Base, S1E) up to 24x Enterprise NVMe KIOXIA CD8P-V (Base, S1E) up to 24x Enterprise NVMe Micron 7450 Pro
Network interface	Mellanox ConnectX-6 Lx 25Gb/s MCX631432AN-ADAB Mellanox ConnectX-6 Dx 100Gb/s MCX623106AN-CDAT Intel I350 1Gb/s NHI350AM2	Mellanox ConnectX-6 series
Form factor	2U	-

About EUROstor

EUROstor has been a manufacturer of storage systems since 2004. Originally manufacturing RAID systems, today, the main part of the product portfolio is server-based systems, acting as flexible data storage servers, tailor-made for the customers' needs. Solutions range from small file servers and CCTV storage to high availability storage clusters, scale-out clusters, and cloud solutions. EUROstor is located in Filderstadt near Stuttgart (Germany) and sells to professional end users all over Europe, SMBs, universities, research institutes, and data centers.

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About Open-E

Open-E, founded in 1998, is a well-established developer of IP-based storage management software. Its flagship product Open-E JovianDSS is a robust, award-winning storage application which offers excellent compatibility with industry standards, and is the easiest to use and manage. Additionally, it is of the most stable solutions on the market and undisputed price performance leader.

Thanks to its reputation, experience and business reliability, Open-E has become the technology partner of choice for industry-leading IT companies. Open-E accounts for over 37,000 installations world-wide and has received numerous industry awards and recognition, also with its product Open-E DSS V7. For further information about Open-E, its products and partners, visit www.open-e.com.

About the Open-E JovianDSS Server Certification

Open-E JovianDSS delivers software-defined storage which results in a wide variety of different hardware requirements such as performance, range, capacity, capability, and connectivity. To ensure compatibility and robust storage environments, all selected partners offer storage systems which are tested, benchmarked, and certified by Open-E. This way, customers are able to use solutions that require exceptional security and redundancy, without compromising performance.