

## Introducing EraStor® 8000 Series

**The EraStor 8000 series are designed and optimized for extreme high performance storage needs.**

Using the best-in class SSD technology both on PCI-E and SAS-2 interface, the 8000 series are designed to deliver outstanding performance in both IOPs and GBs, combined with very low latency to disk.

With the use of the HA-4200 headnodes it's also possible to create a high available cluster and combined with the 2000 series you are able to replicate your data thanks to the built-in disaster recovery features.

### General specifications

- > High performance SAS-2 SSD's up to 2TB and 120PT write endurance per SSD
- > High performance PCI-E up to 2TB and 90PT write endurance per card
- > Average random read IOPS of 85 000 IOPS (8K) and 54 000 IOPS (8K) write performance per device
- > 128-bit ZFS-filesystem allows high performance consistent volumes
- > Integrated Management for Fibre Channel for low latency data throughput
- > User Friendly web based GUI for management for analysis
- > Integrated incremental replication services (internal & external) Vmware consistent
- > Integrated snapshot services (supporting VSS)
- > Windows networking (CIFS/SMB) and LDAP integration
- > Data compression & in-line deduplication
- > Pro-active monitoring with e-mail alerting services

## EraStor® 8024 full SSD

**The EraStor® 8024 is a standalone appliance offering up to 48TB of full SSD capacity in a single 2U rackmount server. Hosts can connect via the 16Gb low latency fibre channel ports or via 10Gb low latency TCP/IP offload cards.**

The 8024 is perfect fit for users who are looking for millions of IOPs. Thanks to the massive Lvl cache of 256GB or optional 512GB it's also possible to use the deduplication feature for high-performance and IO intensive applications such as datawarehouse, VDI, SQL analysis and big exchange environments.

### Specifications

- > Standard 256Gb Level 1 cache
- > Option kit up to 512GB level 1 cache
- > Embedded dual Intel® E5 storage processor
- > Dual 10Gb PCI-E 3.0 32K Offload ports for NFS/iSCSI
- > Dual 16Gb PCI-E 3.0 Fibre channel ports
- > 24 x 2,5" SAS-2 SSD slots available
- > Sustained read throughput per drive of 530MBs
- > Sustained write throughput per drive of 453MBs
- > Max 100% random read IOPS (4k) 120 000 per drive
- > Max 100% random write IOPS (4k) 85 000 per drive
- > Up to 25x full drive writes for 5 years (up to 120PT)
- > 19" Rackmount 2U chassis with dual high efficiency power supply 920W (95% efficiency)
- > Dimensions (WxHxD): 437mm x 89mm x 630mm
- > Weight: 32 kg (loaded)



## EraStor® 8424 Series

The EraStor® 8424 is a standalone appliance offering up to 10TB of PCI-E based low latency SSD capacity in a single 4U rackmount server, combined with a dual DDRdrive x1 ZIL device and normal SAS-2 based HDD. Hosts can connect via the 16Gb low latency fibre channel ports or via 10Gb low latency TCP/IP offload cards.

### True Performance in MBs, IOPs and latency thanks to ....

- Dual DDRdrive X1 delivering up to 300 000 IOPS thanks to the DRAM/NAND and the FPGA based solid-state storage accelerator. Offering extreme low latency and IOPS execution.
- Up to 5 high performance PCI-E 2.0 x4 SSD cards delivering up to 2TB of usable data at latency of 23µs and a max read and write IOPS of 155 000. Able to write up to 1,1GB/s and to read up to 1,5GBs per card.

All SSD technology is covered by a 5-years warranty and a write endurance up to 90PB per card.

### Hybrid storage at your hands

Adding up to 24 SAS-2 HDD inside the box and able to expand thanks to additional JBOD's, the 8424 is the most hybrid platform we can offer.

### High Availability building block ready

In case customers needs high-availability, the 8424 is compatible using 2 x 8424 and 2 x HA-4200. Offering a fibre channel clustered storage system which is able to stretch out between multiple datacenters.

### Specifications per headnode

- > Standard 256Gb Level 1 cache
- > Option kit up to 512GB available
- > Embedded dual Intel® E5 storage processor
- > Dual DDRdrive x1 4GB as write cache device
- > Up to 5 x PCI-E 2TB low latency SSD cards
- > Up to 24 x SAS-2 drive slots (3,5")
- > 2 x SAS-2 expansion port to connect EraStor JBOD series
- > Dual 10Gb SFP+/10Gb Base-T or dual 16Gb Fibre channel ports for host connectivity
- > 19" Rackmount 4U chassis with dual high efficiency power supply 920W (95% efficiency)
- > Dimensions (WxHxD): 437mm x 178mm x 660mm
- > Weight: 42,6 kg (loaded)

DDRdrive x1

