



EUROstor ES-2800 systems combine high performing server hardware with Nexenta storage virtualization solution that gives you best flexibility in delivering storage capacity to different physical servers as well as virtual machines.

NexentaStor software protects your organization's data with features and capabilities ranging from the most granular, per transaction data integrity checks to higher level backup and disaster recovery capabilities.

Every read or write made by NexentaStor utilizes ZFS data integrity. To avoid accidental and silent data corruption ZFS provides end-to-end checksumming and transactional copy-on-write IO operations. These operations eliminate the 'write-holes' and silent data corruption that have plagued storage solutions that are not based on ZFS.

At a higher level, NexentaStor enables you to protect your data through a range of back-up and replication capabilities including **unlimited** incremental snapshot capabilities.

NexentaStor also offers **block-level mirroring** via CDP feature. Now you can easily set up synchronous mirroring for your disaster recovery and remote backup requirements. ES-2800 ZFS RAID powered by Nexenta software can also be used as a NAS File server.

With the optional Fibre Channel HBAs and software modules it can offer FC volumes for still higher traffic rates.

ES-2800 can also be offered with 2.5" disks drives, saving up to 60% of power costs per Terabyte. Also SSD can be used to offer high performance cache volumes for accelerated I/O.

Management of the server can be done remotely with IPMI interface.

## ES-2800:

- Quad Xeon based Storage server running NexentaStor
- ZFS based
- block-level mirroring
- snapshots of single Volumes and NAS-Shares
- volume expansion
- 4 x 1 Gbit Ethernet interfaces (optional up to 10 x 1 Gbit)
- iSCSI connection to Windows / Linux / Unix systems
- CHAP and IP masking on volume level
- redundant PSU
- hot-spare disks
- easy management over web browser

## 8 - 24 bay systems:

- 1 - 4 U, 19" rackmountable, 2.5" or 3.5" disks
- 8 - 36 SAS or Nearline disks, also mixed
- SAS: up to 600 GB each max. 21.6 TB per box (2.5" up to 900 GB 10K)
- Nearline up to 108 TB per box with 3 TB disks
- optional SAS expansion (up to 122 disks)

## Service:

- **3 years warranty**
- **free support via telephone or email**
- **optional: 3 years Express Exchange Service**
- **optional: 3 years On Site Service**

model	disks	rackmount size	size WxHxH	PSU
ES-2808-25	8x 2.5"	1 U	437x43x597	2x 650 Watt redundant
ES-2808	8	2 U	437x89x648	2x 700 Watt redundant
ES-2816	16	3 U	437x132x648	2x 800 Watt redundant
ES-2824-25	24x 2.5"	2 U	437x89x597	2x 900 Watt redundant
ES-2824	24	4 U	437x178x660	2x 900 Watt redundant
ES-2836	36*	4 U	437x178x699	2x 1400 Watt redundant

\*) 24 disks on front, 12 on rear side

specifications	
<b>disk interface</b>	SAS or Nearline (also mixed)
<b>system architecture</b>	<ul style="list-style-type: none"> <li>• intel Xeon Quad Core with 12GB DDR3 RAM (up to 64 GB ECC reg. RAM)</li> <li>• 4 x 1 Gbit Ethernet ports (optional up to 10 ports)</li> <li>• LSI SAS9201 SAS Controller</li> </ul>
<b>iSCSI features</b>	<ul style="list-style-type: none"> <li>• NexentaStor Software</li> <li>• hardware and software iSCSI initiator support</li> <li>• masking based on IP addresses</li> <li>• CHAP user management</li> <li>• MPIO support</li> <li>• snapshots on volume level</li> <li>• flexible volume expansion</li> </ul>
<b>NAS features</b>	<ul style="list-style-type: none"> <li>• NAS Snapshots</li> <li>• CIFS, NFS, FTP/FTPS, AppleTalk</li> <li>• AD, LDAP</li> </ul>
<b>optional</b>	<ul style="list-style-type: none"> <li>• 10Gbit iSCSI Ports</li> <li>• 4 / 8 Gbit FC ports for FC Volumes</li> </ul>
<b>Monitoring / Management</b>	<ul style="list-style-type: none"> <li>• integrated web based manager</li> <li>• email notification</li> <li>• hardware management and remote console over IPMI module</li> </ul>
<b>operating system</b>	OS independent (iSCSI hardware or software initiator required)
<b>temperature</b>	operating: 5 – 35° C, non-operating: -40° – +60° C