



EUROstor ES-8700 DSS V6 Cluster systems combine high performing hardware RAID 6 technology with Open-E's DSS V6 storage virtualization solution that gives you best flexibility in delivering storage capacity to different physical servers as well as virtual machines.

open-e Based on SATA or SAS drives, RAID sets defined on a hardware RAID controller can be assigned to volume pools. These can be easily expanded when more capacity is needed, just by adding new disks to the RAID.

Volumes are synchronously replicated to the second system and in case of a failure of the first system, the second offers the same volumes on the same virtual IP address.

Scheduled snapshots of iSCSI or NAS volumes can easily be mounted directly to a different server, making the backup / restore operations easy and independent from backup

windows, allowing a straightforward and quick reconstruction of deleted data.

Dynamically scalable volumes within these pools avoid expensive unused resources. Additional capacity can be added just in time.

One of the core features of DSS V6 is the iSCSI and NFS failover capability, which is designed to meet the highest availability requirements. The data on the primary node is synchronously replicated to the secondary node, which will automatically take over once the primary node fails.

ES-8700 cluster powered by Open-E DSS V6 software can also offer (nclustered) CIFS volumes for access from Windows servers, also with asynchronous replication over LAN / WAN.

ES-8700 Cluster can also be offered with 2.5" disks drives, saving up to 60% of power costs per Terabyte.

ES-8700:

- Storage server running Open-E DSS V6
- iSCSI Failover capability
- RAID 0, 1, 5, 6, 10, 50, 60
- snapshots of single RAID Volumes and NAS-Shares
- volume expansion
- 4 x 1 Gbit Ethernet interfaces (optional up to 10 x 1 Gbit or 2 x 10 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
- SAS expansion slots (total up to 128 disks)

Service:

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

model	disks per node	rackmount size	size WxHxH per node	PSU per node
ES-8708xCL	8	2x 2 U	437x89x648	2x 700 Watt redundant
ES-8716xCL	16	2x 3 U	437x132x648	2x 800 Watt redundant
ES-8724xCL-25	24x 2.5"	2x 2 U	437x89x597	2x 900 Watt redundant
ES-8724xCL	24	2x 4 U	437x178x660	2x 900 Watt redundant
ES-8736xCL	36	2x 4 U	437x178x699	2x 1400 Watt redundant

specifications	
disk interface	SAS or SATA (also mixed)
system architecture E3 series ES-87xxSCL	<ul style="list-style-type: none"> Intel E3 processor on Sandy Bridge Board 16 GB RAM, optional up to 32 GB 4 Ethernet ports (1 Gbit), 1 IPMI port
system architecture E5 series ES-87xxDCL	<ul style="list-style-type: none"> Intel E5 processor on Sandy Bridge Board , opt. dual processor 16 GB RAM, optional up to 768 GB 4 Ethernet ports (1 Gbit), 1 IPMI port
RAID controller features	<ul style="list-style-type: none"> RAID level 0, 1, 0+1, 3, 5, 6, JBOD multiple RAID selection online RAID level / stripe size modification online capacity expansion with RAID level migration direct availability of capacity – background initialization hot-spare disks automatic disk integration and automatic rebuild optional battery backup unit, up to 72 h
iSCSI features	<ul style="list-style-type: none"> Open-E DSS V6 software hardware and software iSCSI initiator support masking based on IP addresses CHAP user management MPIO support synchronous replication over LAN snapshots on volume level flexible volume expansion
NAS features	<ul style="list-style-type: none"> CIFS, NFS, FTP/FTPS, AppleTalk AD, LDAP backup-agents (Veritas, EMC Dantz, CA BrightStor), licenses not included antivirus (server shares scanning) NAS volume replication synchronous / asynchronous snapshots on volume level
cluster	<ul style="list-style-type: none"> iSCSI cluster volumes with automatic failover optional also NFS volumes
optional in E5 Series	<ul style="list-style-type: none"> 10 Gbit iSCSI ports 8 Gbit FC ports for FC volumes
monitoring / management	<ul style="list-style-type: none"> integrated web based RAID and virtualization manager email notification hardware management and remote console over IPMI module
operating system support	OS independent (iSCSI hardware or software initiator required)
electrical	110-230 V AC, 50-60 Hz
temperature	operating: 5 – 35° C, non-operating: -40° – +60° C