ES-8700 iSCSI / NAS RAID

EURO〉stor

EUROstor ES-8700 DSS V6 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.

Scheduled snapshots of iSCSI-Volumes and NAS-Shares can easily be mounted directly to a different server, making the backup / restore operations easy and independent from backup windows and allowing a simple 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-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 RAID powered by Open-E DSS V6 software can also be used as a NAS File server, also with asynchronous replication over LAN / WAN. With the optional Fibre Channel interface modules it can offer FC volumes for even higher traffic rates.
ES-8700 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 10Gbit)
- 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, 16 or 24 SAS or SATA disks, also mixed
- SAS: up to 600 GB each max. 14.4 TB per box
- SATA up to 48 TB per box with 2 TB disks
- optional SAS expansion (up to 122 disks, 244 TB)

Service:

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

Model	ES-8708-2.5"	ES-8724-2.5"	ES-8708	ES-8716	ES-8724
Rackmount 19"	1 U	2 U		3 U	4 U
Number of Disks	8	24	8	16	24
Disk Format	2.5"		3.5"		
Disk Interface	SAS or SATA-II (also mixed)				
System Architecture	• intel Xeon Quad Core with 12GB RAM (up to 64 GB ECC reg. RAM) • 4 Ethernet ports (1 Gbit) optional 2 x 10Gbit) • Hardware RAID Controller with SAS expansion port				
RAID Controller Features	• 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	• Open-E DSS V6 Software • hardware and software iSCSI initiator support • iSCSI failover • masking based on IP addresses • CHAP user management • MPIO support • Synchronous/asynchronous replication over LAN / WAN • snapshots on volume level • flexible volume expansion				
NAS Features	• NAS Snapshots • 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				
optional	• 10Gbit iSCSI Ports • 4 / 8 Gbit FC ports for FC Volumes				
Monitoring / Management	• integrated web based RAID and virtualization manager • email notification • hardware management and remote console over IPMI module				
OS	OS independent (iSCSI hardware or software initiator required)				
PSU	2x 650 Watt PFC, cable less design, redundant	2x 900 Watt PFC, cable less design, redundant	2x 700 Watt PFC, cable less design, redundant	2x 800 Watt PFC, cable less design, redundant	2x 900 Watt PFC, cable less design, redundant
Dimensions, WxHxD,mm	437x43x597	437x89x597	437x89x648	437x132x648	437x178x660
Electrical	110-230 V AC, 50-60 Hz				
Temperature	operating: 5 – 35° C, non-operating: -40° – +60° C				