

iSCSI

10 GbE

RAID 6
Dual Parity

Power Save



EUROstor ES-6800 iSCSI RAID systems offer a very flexible way to supply storage capacity to many servers in an Ethernet based SAN, either with 1 Gbit or with 10 Gbit iSCSI connections. Each single volume can be expanded when needed without loss of data.

ES-6800 RAID systems support SAS, SATA and SSD disks, and they can even run RAID sets of all these disk types in the same enclosure. Thus applications like databases that need fast storage with high i/o rates can run on RAID sets based on 15,000 rpm SAS drives, whereas applications that need high capacity for archiving or backup to disk will run on lower cost SATA disks. And for still higher performance SSD disks can be used in these systems.

Up to 32 snapshots per volumes can be defined, allowing roll-back, but also to mount the snapshot to a server for a backup while the original volume can still be accessed and changed.

These RAID systems also offer local volume cloning, and – with

a second system – also remote replication can be done.

All ES-6800 RAID systems are expandable. JBODs can be attached through a SAS expansion port, thus offering more capacity on the same RAID controller. And high capacity is what is needed with most archiving, backup or video applications, typically using SATA drives.

Like all EUROstor RAID systems, ES-6800 RAID systems can be managed over a password protected web interface. The systems can be attached to all standard Windows, Linux and UNIX operating systems as well as to VMware servers. They don't require any additional software or API.

ES-6800 RAID systems also support PowerSave, to spin down drives that have not been accessed during a defined time. This saves up to 50% of the power and increases the lifetime of the disks. This is especially interesting when using the RAID in backup or archiving applications.

Features:

- 24 disks
- SAS, SATA and/or SSD disks
- single or dual redundant controller (single controller can be upgraded at later time)
- scalable with SAS expansion port (192 disks)
- 4 GB cache per controller (optional up to 8 GB) with BBU
- host interfaces per Ctr.:
4x 1 Gbit iSCSI or
2x 10 Gbit + 2x 1 Gbit iSCSI
- RAID Level 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60, N-way Mirror
- snapshots, mountable or for roll-back
- volume cloning, asynchronous remote replication (2 systems required)
- volume expansion on-the-fly
- OS independent
- redundant PSU and fans
- monitoring of fan rotation, temperature and voltage
- management via web browser (Ethernet port), display or serial

Service:

- 3 years warranty (1 year on BBU)
- free support (telephone or email)
- optional:
3 years Advance Exchange Service
- optional:
3 years On Site Service
- optional:
On Site Installation

| Model | ES-6824 | |
|----------------------|---|---|
| Single Controller | ES-6824BE | ES-6824BE10 |
| Dual Controller | ES-6824BRE | ES-6824BE10 |
| Disks | 24 | |
| Disk Type | 3.5" SAS, SATA or SSD | |
| Expansion Port | 6 Gbit SAS for JBODs | |
| Max. Disks | up to 192 disks | |
| Host Interface | 6 x 1 Gbit iSCSI per controller | 2 x 10 Gbit + 2 x 1 Gbit iSCSI per controller |
| Controller | single or dual active/active (systems with single controller can be upgraded at later time) | |
| RAID Level | 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60, N-Way-Mirror | |
| Cache | 4 GB per controller, optional up to 8 GB | |
| Cache Battery Backup | included | |
| RAID Features | <ul style="list-style-type: none"> • up to 64 disks per volume group, 4096 logical volumes • hot-spare drives (local or global), automatic rebuild • online RAID and volume expansion • volume cloning • online firmware upgrade (no system downtime with dual controller) | |
| High Availability | <ul style="list-style-type: none"> • up to 32 scheduled snapshots per volume, writable and with roll-back function, with full Windows VSS support • local volume cloning • asynchronous replication to second system | |
| Rack Mount | 4 U | |
| RAID Management | <ul style="list-style-type: none"> • web browser based RAID Manager (web GUI) • RAID manager also over serial port and display | |
| Notification | Email, SNMP trap, browser pop-up windows, Syslog, Windows Messenger | |
| Operating System | transparent | |
| PSU | 3 x 500W redundant | |
| Size | W: 442.8 mm D: 500.6 mm H 176.0mm | |
| Temperature | Operating: 0 – 40°C | |