



EUROstor ES-6600 RAID systems are based on inexpensive (but still high quality) SATA disks and offer up to 16 TB of online capacity for archiving of large multi media files ("rich media files"), file serving and backup to disk.

A special feature of ES-6600 RAID systems is the support of RAID level 6, which allows, that two disks may fail in a RAID set without loss of data. This means a higher level of data security compared to RAID 5, as for a certain time, until parity information is completely reconstructed on the hot spare disk, data will not be redundant on a RAID 5. RAID 6 avoids this, and is able to repair also single block errors during a rebuild time.

In these RAID systems can several RAID sets can be defined, which act like a separate RAID system and which again can be split into volumes to offer independent partitions to the operating system. A special feature here: The RAID level is not defined with the RAID set, but with the volumes.

Example: In a 16x400 GB RAID system two disks will be mirrored and the rest will be one RAID set of 5.2 TB, split into 4 volumes. A 2 TB volume could be RAID 6, 2 (most redundant), 2 TB RAID 0 (striping only) two 0.6 TB volumes could be RAID 5. This shows a high level of flexibility.

Like all EUROstor RAID systems, ES-6600 FC/SATA can be easily managed over a password protected web tool.

EUROstor ES-6600 RAID solutions can be used with all standard Windows, Linux and Unix tools. They not require any software (except for the HBA's standard driver) or server licenses to access them.



Like all systems with Fibre Channel Interface they require a host adapter on the attached server systems.

EUROstor ES-6600 SATA RAID Systems are also available with SCSI Interface.

## ES-6600:

- 8/12/16 **SATA-II** disks – up to 32 TB total capacity
- disk size up to **2 TB**
- OS independent
- 512 MB Cache (optional up to 1 GByte)
- optional: battery cache backup up to 72 h
- **2 x 4 Gbit Fibre Channel host ports**
- RAID level 0, 1, 0+1, 3, 5, 6, JBOD
- **RAID 6 on ASIC**
- volumes with different RAID levels in the same RAID set
- hot-spare disks
- redundant PSUs and fans
- monitoring of fan rotation, temperature and voltage
- easy RAID management over integrated web server (Ethernet port)

## Service:

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

Model	ES-6608F	ES-6612F	ES-6616F ES-6616-PF
Number of Disks	8	12	16
Rackmount 19"	2 HE	2 HE	3 HE
RAID Architecture	<ul style="list-style-type: none"> <li>• Intel 80321 I/O processor (ES-6616PF: faster PowerPC processor)</li> <li>• proprietary ASICs for RAID 6 support with extremely high performance</li> <li>• up to 1 GB on one DIMM socket with ECC protection (2 GB with ES-6616PF)</li> <li>• 64-bit PCI Bus technology</li> </ul>		
RAID Features	<ul style="list-style-type: none"> <li>• RAID level 0, 1, 0+1, 3, 5, 6, JBOD</li> <li>• multiple RAID selection</li> <li>• online RAID level / stripe size modification</li> <li>• online capacity expansion with RAID Level migration</li> <li>• direct availability of capacity – background initialization</li> <li>• hot spare disks</li> <li>• automatic disk integration and automatic rebuild</li> </ul>		
Host Interface	2 x 4 Gbit Fibre Channel (SFP / LC)		
Disk Interface	SATA-II		
Battery Backup	optional up to 72 h		
RAID Management	<ul style="list-style-type: none"> <li>• integrated web browser based RAID manager over 10/100 Mbit port</li> <li>• integrated manager over serial RS-232 port</li> <li>• integrated manager over LCD display</li> <li>• firmware upgradeable in flash ROM</li> </ul>		
Monitoring	<ul style="list-style-type: none"> <li>• over integrated web browser based RAID manager</li> <li>• system Status over LCD, LED and acoustic</li> <li>• all system events can be sent via email</li> <li>• SNMP agent for remote management over LAN</li> </ul>		
OS	OS independent		
PSU	2x 375 Watt with PFC, cable less design, redundant	2x 460 Watt with PFC, cable less design, redundant	
Electrical	110-230 V AC, 50-60 Hz		
Temperature	operating: 5 – 35° C, non-operating: -40° – +60° C		
Rel. Humidity	20% - 80% non condensing		
Size	W: 446mm D: 480mm		W: 446mm D: 470mm
Weight	13 kg w/o disks	13,5 kg w/o disks	18 kg w/o disks