



The original meaning of RAID - redundant array of inexpensive disks - has become reality: we build RAID around low cost disks (still at a high quality level), and offer high availability through redundancy and reliable technology.

EUROstor ES-6200 RAID is based on inexpensive SATA disks and offer up to 18 TB of online capacity for archiving large multi media files ("rich media files), file services and backup to disk. ES-6200 is equipped with a browser based web management interface which makes maintenance very easy. The RAID can be connected directly to the Ethernet and has its own integrated web server.

This high performance system runs on the architecture trusted by the most demanding applications. Its 64-bit

separate-bus backbone is built around the dedicated XOR engines running at twice the data bus speed. The calculation of parity and distribution of data can be optimized with the free association between individual logical arrays and different optimization settings.

With the new ASIC266 technology which offers double bandwidth on the internal controller bus, performance can be increased tremendously. Also the processor speed has been increased by factor 1.5 (600 instead of 300 MHz Power PC). This makes ES-6200 a fast and powerful RAID System, still based on inexpensive SATA technology. This system is also ready for the next disk generation: SATA-II is already supported by the controller and the backplane.

#### ES-6200 Features:

- Up to 18 TB (with 24x 750 GB)
- High performance PowerPC Processor 600 Mhz with 16/24 bay systems, others 400 MHz
- RAID level 0, 1 (0+1), 3, 5, 10, 30, 50, NRAID and JBOD
- First versions with **RAID6** available (cf. table on the back)
- Newest 2x133 MHz/64-bit PCI-X Bus Architecture, special ASIC266
- Cache Memory up to 2 GB
- **Dual Ultra-320 SCSI** host interface with models ES-62xx-U4D
- **Dual Loop 2Gbit or 4 Gbit Fibre Channel** host interface with models ES-62xx-FxD
- Serial ATA -II support to hard disk drives
- PSU, fans and disks redundant and hot-swap
- Hot-swap, global or local hot-spare and automatic disk rebuild

#### Service:

- 3 years warranty
- Free support via telephone or email
- optional: on-site service next business day for 3 years



Model	ES-6224		ES-6216		ES-6212		ES-6208	
Single Controller	ES-6224S6-U4D	ES-6224S6-FFD	ES-6216S6-U4D	ES-6216S6-F4D	ES-6212S-U4D	ES-6212S-F4D	ES-6208S-U4D	ES-6208S-F4D
Red. Controller	-	ES-6224D6-FFD	-	ES-6216D-FFD	-	-	-	-
Number of Disks	24		16		12		8	
Host Interface	2x Ultra320 SCSI VHDCI	2x 2 Gbit FC SFP port	2x Ultra320 SCSI VHDCI	Single Contr: 2x 4 Gbit FC Dual Contr: 2x 2 Gbit FC	2x Ultra320 SCSI VHDCI	2x 2 Gbit FC SFP port	2x Ultra320 SCSI VHDCI	2x 2 Gbit FC SFP port
RAID Architecture	PowerPC 750FX, 600 MHz, RISC processor				PowerPC 750Cxr, 400 MHz, RISC processor			
	Proprietary ASIC266 (on 2x 133 MHz Bus) with XOR engines and ECC inside Standard 512 MB cache in one DDR SDRAM (opt. 2GB) 32KB NVRAM with RTC (Real Time Clock)							
RAID6 Support	yes		yes for single Controller		no		no	
RAID Features	Other RAID levels: 0, 1 (0+1), 3, 5, 10, 30, 50, RAID and JBOD Multiple array configuration Hot-spare drive operation Drive hot-swapping and automatic background rebuild Online drive expansion Intelligent drive handling							
Rackmount	4 U		3 U		2 U		2 U	
Disk Interface	24x SATA-II via backplane		16x SATA-II via backplane		12x SATA-II via backplane		8x SATA-II via backplane	
Battery Backup	optional							
RAID Management	Firmware embedded Web browser based RAID manager (RAIDwatch), 10/100 Mbit port Firmware embedded manager via serial RS-232 port Firmware embedded manager via LCD display (foldable forearm handle)							
Monitoring	Monitoring via firmware embedded Web browser based RAID manager System status via LCD, LED and beeper E-mail notification							
Operating System	OS transparent							
Power	2x 460 Watt with PFC, redundant				2x 350 Watt with PFC, redundant			
Electricity	90 VAC at 8 AC, 260 VAC at 4 AC							
Temperature	Operating: 0 - 40 C							
Rel. Humidity	5% - 95% noncondensing							
Size	W: 446,2 D: 500 H: 131 mm				W: 446,2 D: 486,5 H: 88 mm			
Size with Handles	W: 485 D: 500 H: 131 mm				W: 485 D: 486,5 H: 88 mm			

