



E² Series

High Performance Storage Array

Fibrenetix-E² Trusted Name, Trusted Storage

Following on from its successful first generation E¹ product, Fibrenetix continues to set new standards with its new 16-bay E² Series of Storage Arrays. Combining innovative technology, optimal cooling and an almost vibration free environment, the E² Series is built to meet the highest standards demanded in an enterprise environment. The system is available with dual 4Gbit Fibre Channel host connections to ensure the highest performance range of host I/O.

Utilizing the latest high capacity SATA II disk technology, a single fully populated E² system offers a staggering 12 Terabytes of storage. All drive channels are configured as individual point-to-point links maximizing performance and reliability. Recognizing that high capacity triggers justifiable concerns in the area of integrity and data availability, the E² Series offers more data protection and higher availability than any other product in its class, supporting RAID level 6 for maximum data protection.

Overall System Reliability is further addressed by the use of purpose designed power modules. Unlike other vendors offering commodity based power supplies, the redundant 518 Watt E² power modules ensure there is adequate margin for all future generation disk drives going to 15K and beyond. Fibrenetix intelligent cooling system continuously adapts to environmental conditions by automatically controlling the speed of the cooling fans. The system monitors numerous hot spots within the enclosure and around the disks. If the temperature increases in any area above a programmed threshold, the controller immediately increases the fan speed to optimize cooling.

Our unique (patent-pending) hot-swap *SmartLCD* display offers less downtime and more security than a traditional RAID system. Usually, if an LCD display fails or characters start to fade after a year or two, the complete system has to be returned to base. In addition, the removable SmartLCD prevents unauthorized user access, which can result in accidental reconfiguration or even loss of data with potentially disastrous consequences.

Ease of Management

The E² Series also boasts a sophisticated monitoring and alert system which can usually only be found in considerably more expensive products. The system administrator can monitor and receive alerts via the onboard Ethernet connection. The built-in software supports any internet browser and alerts can be sent via POP3 emails, SNMP or network broadcasting, ALL without any installation of software or drivers on the host. All monitoring software is embedded into the controller making the E² Series one of the few truly heterogeneous controllers on the market.



TECHNICAL SPECIFICATIONS

<i>RAID Controller</i>	64-bit RISC Microprocessor
<i>RAID Design</i>	Cableless Intelligent Backplane Integration
<i>Max. Supported # Drives</i>	16x SATA-II HDDs
<i>High Security RAID Level</i>	RAID-6
<i>Supported RAID Levels</i>	JBOD, 0, 1, 0+1, 3, 5 and 6
<i>Memory Bus</i>	High Speed PCI bus
<i>Memory</i>	512 MB standard, upgradeable to 1 GB
<i>Host Bus Interface</i>	4Gbit Fibre Channel
<i>Host Bus Channels</i>	2 Channels
<i>Disk Bus Interface</i>	3 Gbit PHY Serial-ATA II
<i>Disk Bus Channels</i>	16 Independent Channels
<i>Host Requirement</i>	Host Independent and Transparent
<i>Operating Systems</i>	OS Independent and Transparent
<i>Max. HDD Capacity</i>	750 GB
<i>Max. Subsystem Capacity</i>	12 Terabytes
<i>Hot Swap Components</i>	HDD, PSU and Fan modules, SMARTLCD
<i>Management</i>	RS-232, Web-browser and SNMP, Audible Alarms, LEDs, RS-232, Web-browser, POP3 Email and SNMP traps
<i>Power Requirements & Certification</i>	110/240 VAC, 50/60Hz auto-sensing. Dual independent 518 watt power supplies. Certifications pending.
<i>Form Factor</i>	3U, 19" Rackmount
<i>Weight</i>	25 KG (without disk drives)

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