

E8-1664-F281-A1



High Reliability SAS Drive Technology with
4x 8Gbit Fibre Channel Host Connections



16x hot-swap SAS or SATA drives
Capacities up to 64 Terabytes per enclosure

E8 Highlights:

- Latest Intel technology processor, taking transfer rates to a new industry level
- 4x 8Gbit Fibre Channel host connections
- 2GB Cache as standard, upgradeable to 4GB
- Dual independent RAID controller option for maximum performance
- Dual Active/Active RAID controller option (SAS drives only) for maximum fault tolerance
- Supports high performance SAS, SATA-II, SATA-III (6Gbit) & Solid State Disks, pushing transfer rates and reliability to a new benchmark
- Selectable RAID levels: JBOD, 0, 1, 0+1, 3, 5 plus RAID-6 for the ultimate protection of your valuable data
- NEW Firmware and GUI interface, with optional LUN masking capabilities
- Optional multi-lane SAS connector for expandability and scalability - add JBOD storage to connect up to 128 HDDs
- High-end enterprise E-Series caddy system offering the best protection of hard disks and data, designed to support 10K & 15K RPM hard drives
- Flexibility to use SAS and SATA drives simultaneously in a single E8 enclosure
- Powerful 560W redundant PSU's - beat all competitive products - offering sufficient power to support high performance HDDs and controller. With increased reliability and MTBF (mean time between failures) of critical components
- 'Environmentally friendly' E8 supports industry standard MAID technology (spinning down drives when not in use), considerably reducing power consumption
- Intelligent cooling system which continuously adapts to environmental conditions by automatically controlling the speed of the fans for optimal cooling
- Sophisticated monitoring and alert system enabling the system administrator to monitor and receive alerts via onboard Ethernet connection
- Built-in management 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.
- Unique hot-swap SmartLCD, push-button removal for added security and easy replacement
- Robust 3U 19" rackmount enclosure

If performance & reliability are key... E8 is hard to beat

Fibrenetix E8-1664-F281-A1, 16-bay, 8Gbit FC to SAS/SATA-II storage system is the powerhouse of the E-Series product line, offering unparalleled performance of up to 1900MB/sec when fully loading with SAS drives and 1500MB/sec using SATA drives. When considering Performance, Reliability, Scalability and Features, E8 has set a new market standard.

Exchange Server Applications

E8 performance is extremely impressive in an I/O intensive environment, such as a backbone for Microsoft Exchange Server. Several Fibrenetix customers have already reported considerable gains in performance when using Microsoft 2010 Exchange Server and E8 products. Supporting up to 128 LUNs (volumes) per controller, Exchange Server behaviour can be fine tuned and optimized to suit user requirements. For maximum reliability the E8-Series can be used with OS embedded multi-path and load balancing drivers, such as Microsoft MPIO.

Enterprise Reliability... without the Enterprise pricepoint

The E8 is based on Fibrenetix E-Series enclosure, with several years proven track record as one of the most reliable enclosures in its class. The total cableless design supports Fibrenetix Smart Cooling Technology, with a caddy system which protects all hard drives and data against vibration and electronic interference.



Each E8 contains powerful dual 560W
redundant PSU & fan modules

Unique hot-swap SmartLCD
Push button for easy removal



TECHNICAL SPECIFICATIONS

Product Codes	E8-1664-F281-A1 (8Gbit FC to SAS or SATA HDDs)
RAID Controller	Intel 800MHz Processor
RAID Design	Cableless Intelligent Backplane Integration
Max. Supported # Drives	16x SAS, 3Gbit SATA-II or 6Gbit SATA-III HDDs
High Security RAID Level	RAID-6
Supported RAID Levels	JBOD, 0, 1, 0+1, 3, 5 and 6
Memory Bus	High Speed PCI bus
Memory	2GB DDR2-800 SDRAM with ECC
Host Bus Interface	8Gbit Fibre Channel
Host Bus Channels	4 Channels
Disk Bus Interface	3Gbit or 6Gbit SATA / SAS
Disk Bus Channels	16 Independent Channels
Host Requirement	Host Independent and Transparent
Operating Systems	OS Independent and Transparent
Max. HDD Capacity	4 Terabytes
Max. Subsystem Capacity	64 Terabytes
Hot Swap Components Management	HDD, PSU & Fan modules and SmartLCD
Alerts	RS-232, Web-browser and SNMP Audible alarm, LEDs, RS-232, Web-browser, POP3 Email and SNMP traps
Power Requirements	110/240VAC, 50/60Hz auto-sensing. Dual independent 560 watt power supplies
Form Factor	3U, 19" Rackmount
Weight	25 KG (without disk drives)

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