

EcoServer™ 2U Storage Server ES-2000

**Economical and Ecological Storage Server
Perfect Companion for EcoRAID™ and FlashDisk Storage**

EcoServer - Storage Server

Designed for use with storage, EcoServer combines the performance, expandability, low power consumption and compact size to offer a very economical server to run your storage solutions.

VMware Cluster

Especially in a VMware environment, EcoServer is uniquely beneficial with the SSD boot disk option as it cuts the cost and power consumption needed to run boot disks. The short depth allows smaller cabinets and more equipment in less space.



EcoServer is a powerful and expandable yet economical and ecological. Combined with EcoRAID and FlashDisk storage, it is part of a fully integrated IT infrastructure solution - available in a fully integrated EcoCabinet.™

EcoServer Advantages

Single Server and Storage Vendor

- Single warranty and support contract
- One phone number to call
- 24x7 call center
- On-site service

Designed as a Storage Server

- Compact, powerful, expandable 2U server
- Single or Dual Socket Intel 5500 Series Xeon Quad Core Processors
- 24 GB ECC RAM expandable to 96 GB
- 7 PCI-E 2.0 expansion slots with typically
 - 1 Dual 8 Gb Fibre Channel HBA
 - 2 Quad NIC cards for LAN connectivity
 - 4 more slots for storage and LAN
- Up to 3 SAS/SATA boot disks, RAID 1 or 5
- 16 GB bootable SSD option

High Performance

- 10 Gb Ethernet NIC card option
- SATA, SAS and SSD boot disk options
- Intel Nehalem-EP processors
- 1333/1066 MHz ECC memory
- 8 GB Fibre Channel HBAs

Alternative to Blade Servers

- Far lower cost
- Eliminates backplane vulnerabilities

Ecological

- Low power "green" design
- 17.7" depth cuts heat and cooling
- SSD boot disk option cuts heat and cooling
- Smaller footprint - less floor space

Economical

- More expansion - use fewer servers
- Fraction of the cost of blade servers
- Sharp reduction in power and cooling
- Smaller racks, saves floor space

Ecological

The shallow depth cuts power and cooling too. Telecommunications companies have always used small racks to reduce cooling costs by reducing hot spots that overtax air conditioning systems. Now data centers can benefit from this well known principle.

Economical

Priced to compete with any quality server, the EcoServer is a great value since it is configured for use in environments where the storage and servers are important to the enterprise.

Alternative to Blade Servers

EcoServer offers a dramatic alternative to popular blade servers, especially in a VMware environment. Blade servers, while convenient and compact are expensive and have multiple single points of failure. Blade server backplanes complicate diagnosis and are single points of failure affecting multiple servers. Each EcoServer supports two quad-core Intel processors and thus offer the power of typically two blades. The result is that a comparable yet more reliable and far lower power solution that costs a fraction of the blade server alternative.

Systems Integration

EcoServer combined with EcoRAID and FlashDisk storage and accessories including switches and UPS - and even racks - enables IT managers to obtain an integrated solution from a single vendor that supports the entire hardware infrastructure. IT managers concentrate on the applications and the business value created.



Single Source Support

The entire integrated solution of EcoServers, EcoRAID and FlashDisk storage and accessories are supported under a single warranty and service contract. This eliminates the finger pointing often found in self-integrated hardware solutions. The standard warranty includes 24x7 call center support and next day on-site service. Four hour response service is also available as an option.

Specifications

<ul style="list-style-type: none"> •Dimensions •Processors •PCI-E 2.0 Slots •Disk Bays •Power Supplies •Power •Cooling •Front Panel Buttons •Weight •Operating Temperature •Non-Operating Temperature •Compliance 	<p>3.5" High x 17.2" Wide x 17.7" Deep</p> <p>Single or dual Intel 5500 Quad Core Xeon Processors</p> <p>7 available for storage and LAN expansion</p> <p>3; 3.5" SAS / SATA hot swap drive trays</p> <p>Dual redundant high efficiency power supplies w/PFC</p> <p>100 V - 240 VAC, 50 - 60 Hz, 4 - 10 A</p> <p>4 x 4cm counter-rotating fans</p> <p>Power On/Off; System Reset</p> <p>35 lbs fully loaded</p> <p>50° to 95° F (10° to 35° C)</p> <p>-40° to 158° F (-40° to 70° C)</p> <p>UL, CUL, TUV</p>
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