

Quick View



200 SERIES



2 node high availability active/active iSCSI SAN clusters

Features	Benefits
Embedded operating system on a solid state drive	Rapid boot times, high reliability and increased disk utilization
Enhanced load balancing, multi-path I/O via iSCSI	Enables multiple highly available iSCSI targets with automatic scaling of hardware threads dependant on workload
Redundant hot-swappable PSU	Delivers advanced fault tolerance
Homogenous data replication	Continuous data replication, the combination of snapshotting and cloning between nodes allows for flexibility and ease of recovery
High IOP capabilities	For increased storage efficiencies and higher performance per Watt
Multiple teamed network cards	Supporting performance aggregation or Multi-Path I/O failover
RAID with battery back-up	Increased reliability and performance
Write Caching	Increased data security
Full active/active failover: synchronous replication	Automatic synchronous replication through iSCSI secures against volume/LUN failure
Site failover	Asynchronous replication available to secure against site failures

Smart Design

The EcoVault™ EV200 series provide scalable energy efficiency and value solutions for your storage requirements. Comprising of 2 node active/active failover clusters embedded with StarWind Unlimited software, the 200 series delivers the reliable & flexible backbone for your growing business requirements.

Increased Efficiencies

Delivering unsurpassed price/performance, EcoVault EV100 series solutions have been engineered to deliver continuous life-cycle efficiencies. The combination of VeryPC EPM™ technologies provide:

- An easily scalable modular platform design
- Support for wide range of virtualization technologies
- Up to 90% increase in GB/Watt
- Embedded thermostatic cooling to deliver dynamic energy utilisation.
- Energy Efficient spin-up/spin-down technology
- Multiple teamed network cards support performance aggregation or Multi-path I/O failover
- Bespoke thermal conductivity technologies to significantly increase performance deltas by providing up to 400% greater conductivity for heat sinks over industry leading silver based solutions.
- 80+ gold rated power supplies to exceed the standards set for Energy Star server compliance and produce 25% less waste than industry standard energy efficient power supplies†.

Flexibility & Scalability

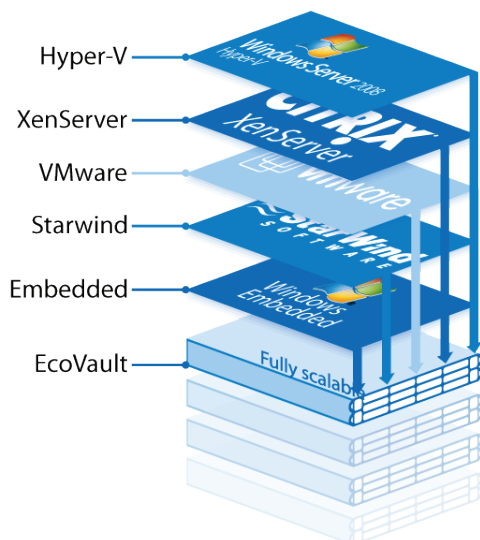
Compatibility with VMWare, Hyper-V and Xen makes the EcoVault EV200 series solutions a flexible platform to build your SAN environments. The iSCSI protocol allows for location-independent storage and retrieval of data using existing network infrastructures.

Scalability can easily be achieved through multiple EcoVault clusters or the addition of VeryPC Odeum JBODs.

Business Continuity

The EcoVault 200 series is a cost effective, scalable and resilient solution providing exceptional performance to keep your business running smoothly.

- Manual or automatic scheduled StarWind snapshotting capabilities capture block level changes in a volume's state at a point in time saving on disc space and eliminating performance degradation to live production LUNs.
- Continuous Data Protection, the combination of snapshotting and cloning allows for flexibility and ease of



† 80+ certification standard. Comparison between 80+ Platinum and 80+ Gold based on 50% loading of power supplies

recovery.

- Synchronous & Asynchronous Replication through iSCSI secures against volume and site failure respectively

System Management

The EcoVault 200 clusters are managed using StarWind High Availability Cluster enabling configuration of multiple highly available iSCSI targets. Other features including automatic scaling of hardware threads depending on workload (core parking) facilitate physical and virtual management by improving remote administration, file services and power consumption management. Core parking is one of the streamlining features available through the use of Windows Server 2008 R2 for embedded systems.

Intelligent Management

The built in intelligent management delivers an easy to use remote management and web based environment that is independent of the operating system. Providing secure and consistent access over a dedicated network port, this enterprise grade management features KVM access, power on/off control, hardware diagnostics and system health monitoring, SNMP and virtual media/ ISO image mounting capabilities over a secure browser interface (SSL).

The smart drives feature IntelliSeek™ and IntelliPark™ for optimised seek speeds and read/write load balancing to deliver lower noise, vibration and power consumption. Active workload monitoring is built into the drives allowing idle to be invoked and recovered automatically through seamless host controller/drive power management.

Service Level Agreements

VeryPC's comprehensive portfolio of insurance backed service level agreement options are designed to help design, deploy, manage and support your technology environment and provide cost effective upgrades to standard VeryPC limited warranties.

Energy Efficiency Financing

VeryPC is a recognised supplier on the Energy Efficiency Financing Scheme (Carbon Trust Loan Scheme replacement) from the Carbon Trust and Siemens Financial Services. The scheme is available to all kinds of businesses (SME & Large Enterprise) and organisations including educational institutions, charities and public sector bodies. Energy Efficiency Financing from Siemens Financial Services can be arranged for amounts as little as £1,000 upwards and, assuming the proposed Energy Efficiency Financing project passes the energy saving assessment by Carbon Trust Implementation Services. The energy savings are calculated on the savings projected from the project

VeryPC may be able to help you arrange financial products including:

- Leasing
- Loans on the Energy Efficiency Financing Scheme
- Energy Efficiency Grants



SKU	EV212	EV224	EV236
Dimensions W x	437 x 89 x 648	437 x 178 x 660	437 x 178 x 699
Form factor	2U	4U	4U
Storage capacity	12 disks (up to 24TB)	24 disks (up to 48TB)	36 disks (up to 72TB)
Processor	8 core AMD® opteron™ 6128 2.0GHz 12MB cache		
Memory	32GB DDR3 1066 ECC Reg (max. 128GB)		
Drives supported	3.5" SATA/ SAS2		
RAID supported	dedicated 0,1,5,6,10,60 (RAID 10 as default)		
RAID controller	LSI 9260-8I SAS2 with 512MB cache & BBU		
Operating system	Microsoft® Windows® Storage Server 2008 R2 for embedded systems		
iSCSI software	Starwind Enterprise HA Unlimited (with 1 year support)		
Connectivity	2 x Intel 82574L RJ45 gigabit ethernet controller 4 x Intel 82575EB RJ45 gigabit ethernet controller 1 x dedicated RJ45 KVM IPMI 2.0 controller 2 x rear USB ports 1 x fast UART 16550 serial port 1 x VGA 2 x PS2 KB/MS port 1 x rear SAS 8088 (JBOD expander)		
PSU	1200 Watt 80+ GOLD redundant hot-swap		
Warranty	3 year next business day onsite		

