

All the features and performance of true Storage-over-IP (SoIP)

Unlimited scalability.
Unlimited performance.
Native virtualization.



- **Scales fluidly** up to 128 PB per volume across enclosures.
- **Aggregates for performance** of 10+ GB/sec across multiple enclosures.
- **Highly affordable** because Z-rack eliminates costly custom switches, aggregators and controllers.
- **Z-FS file system** delivers NAS-like file and volume sharing on block-level device.
- **RAID-options** for performance and protection from data loss with RAID 0, 1, 0+1, 10.
- **Easy to use** and easy to manage with local and remote management software suite.
- **Native virtualization** employing IP as the storage fabric.
- **Z-SAN™** technology by Zetera.

The Future of Networked Storage – Today.

The remarkable Hammer Z-rack HZR1U offers unprecedented performance and scalability in a package that's affordable for small and medium businesses. Z-rack combines the high-performance I/O you'd expect from Fibre Channel with the ease of use and file/volume sharing of a NAS. Advanced RAID protection, seamless capacity expansion, and powerful management software round out an outstanding combination of features and value.

Scalable. Hammer Z-rack takes a different approach to scalability, enabling users to increase both capacity and performance simply by connecting additional enclosures to any available switch port. A single Z-rack delivers capacity and performance of up to 2 Terabytes (TB) and up to 80 MB/sec. Additional Z-racks can be added for capacities of up to 128 Petabytes¹ per volume and performance sufficient for even the most demanding supercomputing applications.

Versatile. Hammer Z-rack HZR1U is an all-in-one network storage solution that is easy to install and even easier to manage. A single Z-rack can be configured to simultaneously offer file and volume sharing for desktop PCs, advanced block-level data protection for application servers like Microsoft® Exchange and SQL Server, and provide secure private shared volumes for small workgroups. Robust hardware RAID functionality (0, 1, 10, 0+1)² protects business-critical data in the event of drive failure, even when individual RAID-protected volumes span across multiple enclosures and locations.

SoIP. Hammer Z-series solutions are enabled by Zetera's widely-acclaimed Z-SAN™ technology, the only technology available to deliver on the vision of Storage-over-IP (SoIP). SoIP uses Internet Protocol (IP) itself as the storage fabric, eliminating the need for costly controllers, dedicated switches and RAID controllers that also serve as performance bottlenecks. Only Z-SAN technology can deliver the unprecedented capacity and performance scalability delivered by the Hammer Z-series family.

Compatible with any IP network, Hammer Z-rack is the most versatile network storage solution available from any vendor, and is backed by an industry-standard one-year warranty.

Z-rack™ HZR1U

Models and Accessories

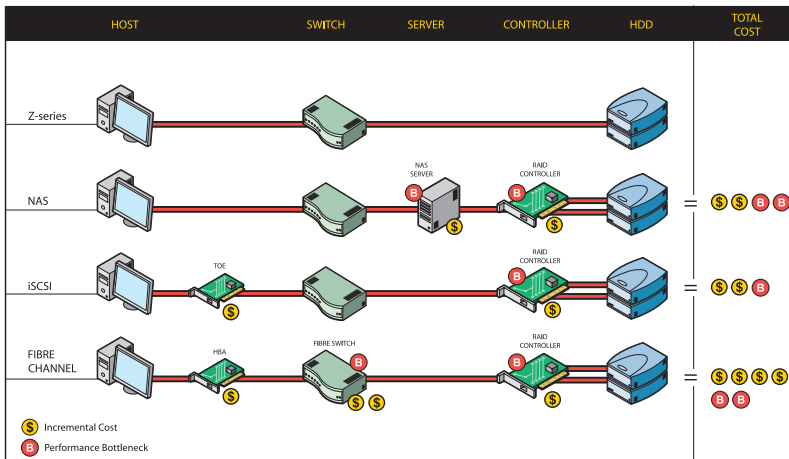


- Z-rack 1.0 TB (HZR1U-1000)
- Z-rack 1.6 TB (HZR1U-1600)
- Z-rack 2.0 TB (HZR1U-2000)

Hammer Z-rack Competitive Advantages

- Unlimited capacity scalability without expensive virtualization software.
- Better performance than any solution in its class.
- Expand RAID constructs across multiple physical enclosures.
- Eliminates the need for dedicated switches, HBAs, TOEs and RAID controllers.
- Requires no specialized IT training or certifications.
- Requires no investment in infrastructure or additional hardware.
- SolIP enabled by Zetera Z-SAN technology.

Z-rack eliminates unnecessary cost and bottlenecks



Technical Specifications

DESCRIPTION	
Model Name	Hammer Z-rack
Form Factor	1U
CAPACITY AND INTERFACE	
Enclosure Capacity	Up to 2 TB
System Capacity	Up to 128 PB per volume, subject to O/S limitations
Network Interface	1 x Gigabit Ethernet
Hard Disk Interface	4 x Serial ATA
RAID Constructs	0, 1, 0+1, 10
COMPATIBILITY	
Operating Systems	Windows 2000 SP2, Windows XP, Windows 2003, Redhat Linux 4 ³
File Systems	NTFS, Z-FS multi-initiator file system from DataPlow
PERFORMANCE	
Single Enclosure Performance	Up to 80 MB/sec
Aggregated Enclosure Performance	Limited only by the maximum bandwidth of aggregating switches.

PHYSICAL DIMENSIONS	
H x W x L (in)	1.75 x 17.3 x 21.3
H x W x L (mm)	43.5 x 440 x 540
Weight (lbs / kg)	33.1 / 15.04
POWER REQUIREMENTS	
Requirements	110-240V 50/60Hz
Consumption	300W max
ENVIRONMENTAL	
Operating Temperature	5 to 35 deg C
Operating Humidity	20% to 80% (non-condensing)
Operating Shock	3.5G, 3ms
Non-Operating Shock	30G, 1ms
Operating Vibration	0.25G at 2Hz to 200Hz for 15 mins
Non-Operating Vibration	1.14G at 2Hz to 200Hz for 15 mins
Safety and Agency	FCC Class A / CE / UL / CB



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¹ 128 PB is the maximum addressable volume size using Z-SAN technology. Individual operating systems have their own volume size limitations.

² Available Q2 2006.

³ Available Q2 2006.

World-class technical support

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