

Cybernetics iSAN Goes Ultra-Slim

The iSAN with Cybernetics powerful SANDR iSCSI SAN storage and backup engine is now available with up to 10TB in a single 1U chassis.

Yorktown, Virginia, September 9, 2009 -- Cybernetics has announced the immediate availability of sleek new models of its iSCSI SAN solution, based on its unique and innovative SANDR engine which combines simple, intuitive storage management with layers of data protection including snapshot backup, portable disk backup, tape backup, encrypted and deduplicated WAN replication, and no single point of failure high availability.

This new 1U form factor with up to twenty drive bays establishes the superiority of the iSAN for IT departments strapped for space and budget funds. Cybernetics iSAN customers can install fully redundant, highly available, tier-one storage with no single point of failure into just 3.5" of vertical rack space.

One feature that really sets the new iSAN models apart is the flexibility to create tiered storage sets within a single unit. A single 1U chassis can be configured with tier one, solid state disk (SSD) primary storage, as well as low cost, tier two and backup storage sets on rotating hard disk drives (HDD). The new thin-provisioning feature of SANDR adds another dimension of scalability with the ability to expand live disk volumes in place, in real time.

SSD storage is emerging as the most important advance in information technology since the development of virtualization techniques. The concept has already been proven in the demanding laptop computer arena. The rugged reliability, reduced power consumption, and blinding fast access speed of non-rotating storage have proven the cost-justification case for SSD. The spinning HDD requires about three times as much electrical power as the SSD, so the SSD can have a serious impact on operating power costs. There is no spin up time in an SSD, and the read performance is about two times that of HDD, so speed of access is dramatically improved with SSD. Write performance is roughly equivalent between SSD and HDD, but there is no defragmentation requirement for SSD, as there is with HDD.

As the enterprise adopts SSD for these exceptional benefits, it does become more important than ever to implement a comprehensive backup and disaster recovery strategy. There is no widely available hard disk crash recovery for SSD as there is for the HDD platter. Cybernetics' iSAN solutions integrate SSD, HDD and data protection from every kind of threat. By combining storage and backup virtualization with tiered storage, the iSAN 1U models replace expensive layers of hardware and third party software with a more robust and cost-effective solution for both stand-alone and virtualized server environments.

Based in Yorktown, Virginia, Cybernetics manufactures, sells, supports, and services a complete line of backup and storage solutions. Established in 1978, the company is recognized in the US and across the world as a pioneer in data storage technology and is well renowned for innovative features that ensure maximum performance, reliability, and interoperability of systems.

For more information, contact Cybernetics at (757) 833-9000.