About Idealstor SATA Backup Appliance

Higher transfer rates and shorter recovery times have been the holy-grail for backup and recovery. The Serial ATA platform is an enabling technology that has been designed to meet these needs by providing faster backup, vastly improved restore speeds and added functionality to disk to disk backup and recovery. The Idealstor SATA Backup Appliance is the first of its kind to combine the speed of SATA disks with the portability of tape by using disk media for both backup and offsite storage. Idealstor SATA uses any capacity/manufacturer SATA disk as locally attached backup media. These disks can then be left in the system for nearline access and local storage or they can be physically removed, like a tape, and be used for offsite storage and disaster recovery. Disk to disk backup was invented to eliminate the problems associated with tape based backup, however with most industry solutions, tape is still required to take the data from the network to the vault. Idealstor SATA eliminates tape and makes backing up to disk a reality.

Idealstor Eliminates Tape:

Ejectable Disk Backup - SATA disk are used as the backup and offsite media. Idealstor SATA uses a combination of Idealstor software and hardware to provide for safe removal of the backup disks.

Faster Recovery Time - SATA disks use Serial technology to quickly transfer data speeds. In addition, SATA disks use native command queuing to efficiently access data stored on the SATA platter.

Complete Backup Appliance - Idealstor SATA is a complete backup server running the Windows Operating System and using Intel components. This unit functions as the media server and target for backup saving on valuable rack space and eliminates the need to manage multiple devices from separate vendors.

Single Instance Storage - Utilizing Ibac Data Protection Software, virtualize your backups on the SATA disks and store your full backup in the space it takes to store your incrementals.

Product Highlights:

- Windows Operating System appliance that becomes the host for the backup software as well as the target for storage and backup jobs.

- Backup using 1-8 ejectable bays providing capacities from 80GB-32TB. Any capacity SATA disk can be used to deliver a solution targeted to your backup needs.

- Disks are prepared for safe removal using hardware, software and the Idealstor protective caddy and carrying case.

- Data can be replicated to the other disks in the system or physically removed to be taken offsite for backup and disaster recovery.

- Backup speeds up to 300MB/second per disk over the network and even faster when performing restores. Multiple backups can be run simultaneously.

- Drives that are warranted up to 3 years by industry leading drive manufacturers. Compare that to your tapes and the annual cost savings in media alone is staggering.

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Key Benefits:

⊚ Tape Free Backup - a disk to disk backup and storage solution that utilizes disk and only disk as the backup and storage medium

⊚ Save on valuable rack space - one 4U rackmount appliance becomes the media server and storage/backup solution

⊚ Lower Total Cost of Ownership than disk and tape alternatives - one appliance becomes your storage and backup solution reducing annual maintenance costs and overhead

⊚ One stage backup and restore - Idealstor SATA eliminates the need to stage backups and restores from disk to tape

⊚ Save on software costs by not having to purchase expensive client access licenses to backup data to tape media and tape libraries

⊚ Cost of disk continues to drop while capacities continue to increase. Idealstor SATA takes advantage of both providing a cost effective and scalable storage and backup solution

⊚ Completely remove tape from your backup and disaster recovery plan. Eliminate the need to retension tape media, replace tapes every year and eliminate failed backups and restores due to data not being properly written on your tapes.

⊚ Run multiple simultaneous backups.

⊚ Use your existing backup software.

Product Highlights:

Windows 2008 R2 Server Operating System

19" - 4U Rackmount

Intel Processors - single or dual depending on backup capacity

Redundant Power Supply on 4, 6 and 8 Bay units - can be added to 2 Bay

Backup Capacity - 80GB -32TB of native capacity

Can be configured with 1-8 Idealstor Ejectable Bays

Idealstor SATA Part Numbers

BA4U-2E - 2 Bay SATA Backup Appliance
BA4U-4E - 4 Bay SATA Backup Appliance
BA4U-6E - 6 Bay SATA Backup Appliance
BA4U-8E - 8 Bay SATA Backup Appliance

The Idealstor SATA Backup Appliance comes configured with a variety of ejectable bays for backup. Each bay can accommodate up to a 4TB SATA2 disk. This appliance comes with a list of upgrades that can be added to create a solution that is targeted to meet your company's individual needs.

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