

About Idealstor SAS Backup Appliance

Higher transfer rates and shorter recovery times have been the challenge for backup and recovery professionals. Dramatic advances in cost, capacity, performance, reliability and security of disks now provide for faster backup, improved restore speeds and added functionality for disk-to-disk backup and recovery. The Idealstor Backup Appliance is the first of its kind to combine the speed of disks with the portability of tape by using disk media for both backup and off-site storage. Idealstor uses any capacity/manufacturer SATA disk as locally attached backup media. These disks can be left in the system for nearline access and local storage, or they can be physically removed, like a tape, and be used for off-site storage and disaster recovery.

Idealstor Eliminates Tape:

Removable Disk Backup - SATA disks are used as the backup and off-site media. Idealstor 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. In addition, SATA disks use native command queuing to efficiently access data stored on the SATA platter.

Complete Backup Appliance - Idealstor 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. It saves valuable rack space and eliminates the need to manage multiple devices from separate vendors.

Single Instance Storage - Utilizing data deduplication and block based backup, you can store more data than any tape drive.

Product Highlights:

- Windows Operating System appliance that becomes the host for the backup software as well as the target for storage and backup.
- Backup using 4 or 8 removable bays providing capacities from 1TB - 48TB. Any capacity SATA disk can be used to deliver a solution targeted to your backup needs.
- Disks are prepared for safe removal using hardware and software. The Idealstor protective caddy and carrying case adds to the portability of the disk.
- Data can be replicated to the other disks in the system or physically removed to be taken off site for backup and disaster recovery.
- Most drives are under warranty for up to 3 years by industry leading drive manufacturers. Compare that to your tapes and the amount you save annually in media alone is staggering.

Key Benefits:

- Backup speeds up to 6 Gb/s per disk. Multiple backups can be run simultaneously.
- Tape-Free Backup - a removable disk-to-disk backup and storage solution that utilizes disk and only disk as the backup and storage medium
- 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 eliminates the need to stage backups and restores from disk to tape
- Cost of disks continues to drop while capacities increase. Idealstor takes advantage of both providing a cost effective scalable storage and backup solution
- Eliminates the need to re-tension tape media, replace tapes every year and eliminate failed backups and restores because of data not being properly written on your tapes
- Offline media cannot be affected by viruses, malware or ransomware

4 BAY BACKUP APPLIANCE



STORAGE	4 Removable Bays
PROCESSOR	Quad Core Xeon
MEMORY	8 GB ECC
OPERATING SYSTEM	Windows Server 2012 R2
CURRENT MAX CAPACITY	24TB
POWER SUPPLY	Single

8 BAY BACKUP APPLIANCE



STORAGE	8 Removable Bays
PROCESSOR	2 x Quad Core Xeon
MEMORY	16 GB ECC
OPERATING SYSTEM	Windows Server 2012 R2
CURRENT MAX CAPACITY	48TB
POWER SUPPLY	Redundant