



Assureon sx™

Easy Archive Appliance

WHAT IS ASSUREON SX?

Assureon SX is an intelligent disk-based archive appliance for the long term storage of business-critical information. This plug-and-play appliance provides a simple and secure archive platform ideally suited to interface with e-mail archiving, medical imaging and records management, document management, and litigation support applications.

SIMPLE AND INTELLIGENT ARCHIVING

Assureon SX provides a simple and secure archive platform for small to medium sized organizations. This compact and easy-to-implement rackable appliance provides exceptional archiving and retrieval capabilities for smaller enterprises, branch offices, and large departmental groups. It delivers smart, fast, and affordable online access to millions of fixed content objects of information, enabling companies to simplify and automate archival processes.

POWERFUL CAS TECHNOLOGY

Assureon SX uses the power of CAS (Content Addressable Storage) to simplify management and reduce the cost of storing important digital information. CAS technology produces a unique file identifier for all objects based on their content. Assureon's 2nd generation CAS model stores files, images, recordings, etc, as objects with a secure and unique universal identifier. This approach differs from traditional file system models, where an application or user names the file and then places it in a hierarchical file system. Assureon's CAS technology frees users from the significant lack of scalability and high management costs of traditional methods.



ASSUREON SX

KEY FUNCTIONS

Assureon SX provides the benefits of our industry-leading Assureon Enterprise System, with the price and size that's just right for small to medium sized businesses and organizations.

Assureon's simple interface enables easy integration with any Windows platform. Exchange, Lotus Notes, SharePoint, Oracle, and other database applications are also easily supported with Nexsan certified solutions. Assureon de-dupes, backs up, encrypts, or replicates all stored files. Assureon also provides the storage capacity, mandatory audits, and self healing. Moreover, at the end of the retention period of any file, Assureon SX removes the obsolete file to make room for new data.

Assureon File System Watcher (FSW) automatically copies files from a Windows client or Windows server to the Assureon SX. It archives files when they are closed or based on a scheduler. FSW leaves a copy of the file, a link, or nothing on the FSW host after a copy has been sent to Assureon SX. FSW can then monitor various folders and directories, each with different policies

Assureon SX automates file authentication and integrity checking with auto-correction and auto-healing, using digital fingerprint technology to prove records are intact. It further protects data by automatically and continuously checking the integrity of files and repairing or replacing them with backups when needed. The user does not need to intervene; all processes are fully automatic with an complete audit trail.

Assureon includes data security features such as WORM disk functionality for non-erasure assurance, RAID 6 data protection (which allows for the loss of 2 drives without any resulting loss in data integrity), AES 256 strength encryption and remote replication of assets across a WAN,.

The user can manage costs through a single integrated SX appliance, eliminating the need for multiple servers. It also controls costs via a plug-and-play model, where SX appliances are preconfigured to easily integrate with current applications. Professional services for ongoing maintenance, as well as installation, can be completely avoided. Further, the Assureon SX's de-duplication functionality removes multiple copies of identical files, thereby saving space and reducing network bandwidth needs.



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SX FEATURES

- Disk-based archive - fast on-line data access and retrieval
- FSW Agents to archive files off any Windows 2003 and XP Systems
- Build-in remote replication
- WORM disk – prevents overwriting
- Immutability – rules engine binds metadata to files
- Single Instance Storage – Content Addressable Storage (CAS), including de-duping functions
- Secure CAS with multiple hashing algorithms – MD5 + SHA-1
- File integrity checking using CAS tag check
- Serialization of objects enables checks for missing files and preserves archive integrity
- Authentication – uses digital fingerprint technology to prove records have not been tampered with
- Read and write audit via access logs
- Read and write access controls
- Searchable metadata
- Custom feature set for litigation support
- Best in class performance
- Delivered as a plug-and-play system – takes 7U of rack space

ASSUREON SX INCLUDES

- Assureon Appliance – Hardware and Software
- All disk storage hardware
- Full RAID 6 protection
- AutoMAID™ power saving functionality
- Interfaces:
 - LAN to applications/ file servers
 - Power (100-240VAC)
- Configured with 4TB to 36TB or usable capacity

Information subject to change at any time.
Visit www.nexsan.com for the most current version.