

## A SERIES BACKUP APPLIANCES

## READY-TO-GO APPLIANCE

- Fully integrated hardware and software in one simple 2U package
- Backup data across multiple platforms and locations including virtual machines, local and remote devices
- Central management of all devices from one location
- Supports most operating systems, applications and databases
- Easily integrates with other appliances in the STORServer suite.
- Single point of contact for warranty and support

## SAVES TIME &amp; RESOURCES

- Easy to install, learn and use
- Manage in just minutes a day
- Fully automated disk-to-disk and disk-to-tape backup
- Disaster Recovery options for cloud or another appliance
- Current full backup plus older versions immediately available for restore
- Centrally manage backup for local, virtual and remote data
- Meets demanding RPO, RTO and business continuity requirements<sup>1</sup>
- Customizable policies help to meet rigorous industry regulatory compliance requirements including HIPAA, Sarbanes-Oxley and more
- Expertly handle policy-based data retention needs
- Includes Silver, Gold, Platinum Solution support options

<sup>1</sup>Customers with very tight Restore Point or Restore Time Objectives (RPO and RTO) can be assured that the STORServer Backup Appliances meet even the strictest requirements.

## COST-EFFECTIVE, EASY-TO-USE, FULLY INTEGRATED BACKUP

The STORServer® A series backup appliance is a compact, fully integrated solution for backup and archive and supports multiple disaster recovery options. As your business needs grow, so can your data protection solution with the addition of any appliance in the STORServer suite.

A-Series backup appliances are designed for smaller size environments with moderate storage requirements while still supporting deduplication and limited converged data appliance features when configured at their largest sizes. They are fully integrated and scalable solutions for complete data protection. An excellent entry-level choice with room to grow.

STORServer's intuitive user interface console\* makes daily management a snap, across your enterprise, from a single location. The A series appliances efficiently back up multiple operating systems and email applications plus support most popular database platforms (requires optional database agents). Backups and restores can take place across all network connections (NAS, SAN, LAN, WAN) from hundreds of storage devices.

STORServer's front to back support puts STORServer experts at your fingertips.



## Contact Information

STORServer, Inc.  
938 Elkton Drive  
Colorado Springs, CO 80907

Phone: (719) 266-8777  
Toll free: (800) 550-5121  
Email: [requestinfo@storserver.com](mailto:requestinfo@storserver.com)



## FEATURES &amp; BENEFITS

## Production Ready

- Includes all hardware and software integration, service and support – one easy package, one easy price
- Plug in, deploy clients, begin backing up data the same day
- Optional virtual machine and database agents are available

## Easy to Use

- Intuitive operations interface reduces management time and complexity
- Centralized management console allows you to automate daily processes and provides flexible and reliable scheduling
- Single point of contact for warranty and support
- Scale as you grow
- Connect to another appliance (A or EBA)

## Policy-based Data Retention

- Flexible versioning (number and life) of data, updated and applied to existing stored data
- Point-in-time copies of regulated data on any media you choose

## Storage Virtualization And Data Deduplication

- Incremental or progressive backups eliminate constant and redundant copying
- Reduces costs through hierarchical virtual storage pool technology
- Condenses duplicate bits, bytes, blocks and files to reduce network requirements and minimize use of storage media

## HOW IT WORKS



1. STORServer backup appliances arrive production-ready to connect to your network.
2. The client software can be easily installed on servers and workstations by the customer.
3. Data flows from local or network storage into online storage pools.
4. Online, onsite pools copy to any one of three off-site disaster recovery pools.
5. After the initial full backup, subsequent backups are “incremental forever” – capturing new and changed data only. Older data is kept in storage pools until it exceeds the user-defined retention policy.
6. When a restore is required, the STORServer database produces the list of files to restore along with their locations in local and offsite storage pools. If the media is located offsite on removable media, the administrator is notified to service the restore.
7. All versions of files (current and older) are located in online storage pools and are available for immediate restore – no operator intervention required.
8. In the event of a disaster (loss of data), copies of all versions of all files are available in the optional offsite disaster recovery pool for restoration.



## AVAILABLE MODELS

<b>APPLIANCE MODEL</b>	A551S	A551D
<b>SERVER MODEL</b>	ThinkSystem SR550	ThinkSystem SR550
<b>FORM FACTOR</b>	2U	2U
<b>CPU/CORES</b>	(1) Xeon @ 2.1GHz 8 cores	(2) Xeon @ 2.2GHz 12 cores each 24 cores total
<b>MEMORY</b>	64GB	128GB
<b>MEMORY UPGRADE</b>	32GB or 64GB increment Max 192GB	32GB or 64GB increment Max 384GB
<b>APPLIANCE HORIZONTAL EXPANSION</b>	Add any SP Appliance	Add any SP Appliance
<b>SINGLE APPLIANCE EXPANSION OPTIONS</b>	Add Available Storage until Appliance Performance Limit is reached (Daily Change Rate)	Add Available Storage until Appliance Performance Limit is reached (Daily Change Rate)
<b>INTERNAL INDEXING DATABASE FOR BACKUP OBJECTS</b>	2x 480GB Entry SSD RAID1	2x 480GB Mainstream SSD RAID1
<b>INTERNAL DATABASE EXPANSION</b>	Up to 1 480GB pair DB SSD RAID6 960GB usable (1.92TB raw) Database expansion prevents option for internal storage expansion	Up to 2 480GB pairs DB SSD RAID6 1.92TB usable (2.88TB raw) Database expansion prevents option for internal storage expansion
<b>DAILY CHANGE RATE *(1)</b>	up to 3TB	up to 8TB
<b>INTERNAL STORAGE EXPANSION</b>	12TB, 18TB, 24TB, 30TB, 36TB, or 42TB All amounts are usable RAID5.	12TB, 18TB, 24TB, 30TB, 36TB, or 42TB All amounts are usable RAID5.
<b>EXTERNAL STORAGE HBA SLOTS</b>	4 expansion slots	5 expansion slots
<b>EXTERNAL STORAGE EXPANSION ENCLOSURES</b>	Three Expansion Enclosures Per Control Enclosure	Five Expansion Enclosures Per Control Enclosure
<b>STORAGE ENCLOSURE CAPACITY (BOTH BASE AND EXPANSION)</b>	100TB, 120TB, 140TB All amounts are usable RAID6.	100TB, 120TB, 140TB All amounts are usable RAID6.
<b>EXTERNAL TAPE STORAGE LIBRARIES</b>	1 Tape Library	1 Tape Library with 1 Expansion
<b>LIBRARY CAPACITY (LTO8)</b>	420TB Native 1050TB Compressed	420TB Native 1050TB Compressed (Base Unit) add up to 1.2PB Compressed per available Expansion Enclosure

[1] Processing Daily Performance for Sizing – maximum daily change rates are different when some added features are turned on. Projected maximum is based upon sufficient and fast enough remote storage for DR. The maximum cannot consider each customer's unique variables when deduplication or replication activities are running.

### ABOUT STORSERVER

STORServer is a leading provider of data protection solutions and offers the only enterprise data backup appliance that is built to order. Each backup appliance solution is tailored to the customer's unique environment to simplify management of complex backup, archive and disaster recovery needs. STORServer's appliances feature enterprise class data backup, archive and disaster recovery software, hardware, services and U.S.-based customer support. For more information on STORServer, please visit our website.

storserver.com  
(800) 550-5121  
Copyright 2020 STORServer, Inc.

