

READY-TO-GO APPLIANCE

- Includes all of the necessary hardware and software for comprehensive data backup in a single appliance solution
- Dozens of OS platforms, databases, email applications supported
- SAN, NAS, LAN, WAN data transports
- Centralized management
- Support for remote and branch offices

SAVES TIME & RESOURCES

- Installation in 3-5 days with the initial backup starting on day one
- Easy to learn and use
- Replication between multiple appliances or to a public cloud.
- Reduced network-bandwidth through intelligent data movement
- Current full backup always immediately available for restore of a single file or an entire datacenter
- All backup versions immediately available for restore
- Automated tape management
- Policy-based data retention for backup, archive, and DR
- All STORServer support is direct to engineers based entirely in the US
- Onsite installation by SE included with every model
- Backs up local and remote data
- Virtual Machine Backup Agent
- Built-in client side and appliance side global data deduplication available at no extra charge
- Achieve demanding RPO, RTO and business continuity requirements
- Single point of contact for training, warranty and support

TURN-KEY BACKUP

STORServer® Enterprise Backup Appliances are a suite of fully integrated, award-winning solutions for backup, archive and disaster recovery. Enterprise class appliances support data protection scenarios with high performance needs in medium to very large storage environments with significant storage requirements in both data capacity and data change rates. Enterprise-class backup appliances are cloud ready and support deduplication, integration with virtual machines, and a wide range of data protection integrations.

Each appliance includes certified hardware and software for comprehensive, easy-to-use backup. Appliances are scalable, enterprise-wide solutions that support many OS, email and database platforms, various network connections (NAS, SAN, LAN, WAN) and 100s of storage devices. Most STORServer Backup Appliances is powered by IBM Spectrum® Protect (Tivoli Storage Manager).

STORServer's intuitive user interface console makes daily management a snap, across your enterprise, from a single location. The EBA series appliances efficiently back up multiple operating systems and email applications plus support most popular database platforms. 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

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FEATURES & 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. Data flows from local or network storage into online storage pools.
3. Online, onsite pools copy to any one of three off-site disaster recovery pools.
4. 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.
5. 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.
6. All versions of files (current and older) are located in online storage pools and are available for immediate restore – no operator intervention required.
7. 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.

IBM SPECTRUM PROTECT

Incremental Backup & Data Deduplication

- Uses Progressive Incremental Forever technology to minimize the network requirements and storage resource utilization

Industry Compliant Archiving

- Point-in-time copies of regulated data, WORM media available.
- Full automation eliminates human error

STORServer Console (SSC) Operations Interface

- STORServer Console reduces daily management to under 30 minutes regardless of the amount of data protected or number of appliances.
- Hierarchical virtual storage pool technology reduces costs and improves performance.

Disaster Recovery Planning

- Daily automated generation of a customized server DR plan.

AVAILABLE MODELS

APPLIANCE MODEL	EBA651D	EBA656D
SERVER MODEL	ThinkSystem SR650	ThinkSystem SR650
FORM FACTOR	2U	2U
CPU/CORES	(2) Xeon @ 2.1GHz 16 cores each 32 cores total	(2) Xeon @ 2.3GHz 16 cores each 32 cores total
MEMORY	192GB	256GB
MEMORY UPGRADE	32GB or 64GB increment Max 384GB	64GB increment Max 768GB
APPLIANCE HORIZONTAL EXPANSION	Add any SP Appliance	Add any SP Appliance
SINGLE APPLIANCE EXPANSION OPTIONS	Add Available Storage until Appliance Performance Limit is reached (Daily Change Rate)	Add Available Storage until Appliance Performance Limit is reached (Daily Change Rate)
INTERNAL INDEXING DATABASE FOR BACKUP OBJECTS	2x 960GB Mainstream SSD RAID1	2x 1.6TB Enterprise Performance SSD RAID1
INTERNAL DATABASE EXPANSION	Up to 2 960GB pairs DB SSD RAID6 3.84TB usable (5.76TB raw) Database expansion prevents option for internal storage expansion	Up to 2 800GB pairs DB SSD RAID6 3.2TB usable (4.8TB raw) Reduces number of internal RAID5 storage arrays to 1.
DAILY CHANGE RATE *(1)	up to 15TB	15-50TB depending on connectivity
INTERNAL STORAGE EXPANSION	12TB, 18TB, 24TB, 30TB, 36TB, or 42TB All amounts are usable RAID5.	24TB, 36TB, 48TB, 60TB, 72TB, 84TB in 2 RAID5 arrays
EXTERNAL STORAGE HBA SLOTS	6 expansion slots	6 expansion slots
EXTERNAL STORAGE EXPANSION ENCLOSURES	Seven Expansion Enclosures Per Control Enclosure	Seven Expansion Enclosures Per Control Enclosure
STORAGE ENCLOSURE CAPACITY (BOTH BASE AND EXPANSION)	100TB, 120TB, 140TB All amounts are usable RAID6.	100TB, 120TB, 140TB All amounts are usable RAID6.
EXTERNAL TAPE STORAGE LIBRARIES	2 Tape Libraries with up to 3 expansions each	4+ Tape Libraries with up to 3 expansions each
LIBRARY CAPACITY (LTO8)	420TB Native 1050TB Compressed (Base Unit) add up to 1.2PB Compressed per available Expansion Enclosure	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.

www.storserver.com
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